MATCH ANALYSIS REPORT · VIDEO ANALYSIS

Blue Team vs Red Team

4-3-3 / 4-3-3 · Blue Team – Red Team · Recording: 4 files, 96.8 min, half-pitch cameras (left/right) · Analysis: YOLOv8m + ByteTrack, 5 fps

97 → 93	9.9 km	11.0 → 10.7	2.3% → 2.7%	8.6 km
BLUE TEAM PACE M/MIN 1ST HALF → 2ND HALF	RED TEAM DISTANCE PER OUTFIELD PLAYER TEAM 99 KM	BLUE TEAM P90 SPEED KM/H 1ST HALF → 2ND HALF	BLUE TEAM SPRINT SHARE (≥20 KM/H) 1ST HALF → 2ND HALF	BLUE TEAM DISTANCE PER OUTFIELD PLAYER TEAM 86 KM

PACE CHANGE

Blue Team 97 → 93 m/min

Red Team 114 → 107 m/min. Top three Blue Team runners: 23 Keryane 8.5 km · 2 Mamadou 8.4 km · 4 Racine 8.4 km.

PHYSICAL LOAD

Blue Team 86 km · Red Team 99 km

Per outfield player: Blue Team 8.6 km, Red Team 9.9 km. Blue Team p90 11.0→10.7 km/h, Red Team 12.9→12.2 km/h.

ZONE BALANCE

Defensive 13% · Middle 66% · Attacking 21%

Blue Team presence by pitch third (full match). Red Team: defensive 15% · attacking 30%.

TOP RUNNER

23 Kervane

Defensive midfielder · 8.5 km (99 m/min) · sprint 503 m · p90 10.3 km/h · peak 25.6 km/h.

SECTION 1 · TIME SERIES

Pace in five-minute intervals

p90: the value below which 90% of the speed samples in that interval fall; higher = the team runs more in that interval. Half cards combine both cameras.

1ST HALF · P90 SPEED 5 MIN · BLUE TEAM / RED TEAM

p90 speed km/h · max 12.6



2ND HALF · P90 SPEED 5 MIN · BLUE TEAM / RED TEAM

p90 speed km/h · max 19.1



1ST HALF · LEFT HALF · P90 SPEED (THIS CAMERA ONLY)

p90 speed km/h · max 12.8



1ST HALF · RIGHT HALF · P90 SPEED (THIS CAMERA ONLY)

p90 speed km/h · max 15.9



2ND HALF · LEFT HALF · P90 SPEED (THIS CAMERA ONLY)

p90 speed km/h · max 25.0



2ND HALF · RIGHT HALF · P90 SPEED (THIS CAMERA ONLY)

p90 speed km/h · max 15.7



SECTION 2 · SPEED DISTRIBUTIONS

Team speed bands · half by half

Each bar shows how the speed samples taken in that half are distributed across the bands (sample = same track in two consecutive frames). Shares are comparable.



GOALKEEPERS (BOTH TEAMS COMBINED)

10.4 · 10.6 p90 km/h, by half

Visible per frame: 1.50 · 1.30 · estimated distance 8.3 km (93 → 92 m/min).

REFEREE

7.2 · 6.6 p90 km/h

Not included in team totals · estimated distance 4.5 km (51 → 48 m/min).

SECTION 3 · DISTANCE RUN

Distance run team and player

Team and player distances, pace by half (m/min) and minutes played. A goalkeeper pace coefficient is applied for goalkeepers.

8.6 km	97 → 93	9.9 km	114 → 107	86 / 99 km
BLUE TEAM · PER OUTFIELD PLAYER (90 MIN)	BLUE TEAM M/MIN · 1ST HALF → 2ND HALF	RED TEAM · PER OUTFIELD PLAYER	RED TEAM M/MIN · 1ST HALF → 2ND HALF	TEAM TOTAL BLUE TEAM / RED TEAM (10 OUTFIELD PLAYERS)

BLUE TEAM

NO	PLAYER	POS	MIN	M/MIN	HIGH-PACE M	SPRINT M	TOTAL
2	Mamadou	CB	90	93	469	535	8.4 km
5	Ege	LB	90	88	591	506	7.9 km
7	Badou	LW	90	84	643	425	7.6 km
24	Sampras	CM	90	93	627	470	8.4 km
97	Mustafa	RB	90	88	591	506	7.9 km
4	Racine	CB	86	98	673	636	8.4 km
19	Insa	RW	86	87	510	575	7.5 km
23	Keryane	DM	86	99	529	503	8.5 km
11	Nobel	ST	75	93	524	641	7.0 km
13	Meshack	CM	65	102	490	368	6.6 km
22	Oscar	CM	25	80	121	138	2.0 km
17	Arif	FW	15	87	90	99	1.3 km
25	Clauvis	CB	4	75	27	41	0.3 km
27	Moussa	RW	4	100	34	31	0.4 km
33	Alexis	CM	4	100	24	21	0.4 km

RED TEAM

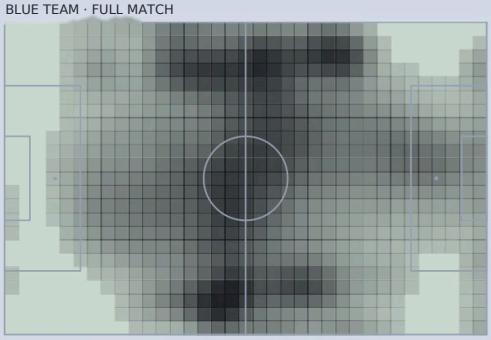
NO	PLAYER	POS	MIN	M/MIN	HIGH-PACE M	SPRINT M	TOTAL
–	**Right-back**	RB	90	98	649	659	8.8 km
–	**Centre-back (right)**	CB	90	106	782	896	9.5 km
–	**Centre-back (left)**	CB	90	104	740	966	9.4 km
–	**Left-back**	LB	90	102	849	977	9.2 km
–	**Defensive midfielder**	DM	90	108	813	809	9.7 km
–	**Central mid (right)**	CM	90	106	735	747	9.5 km
–	**Central mid (left)**	CM	90	104	824	699	9.4 km
–	**Right winger**	RW	90	98	697	879	8.8 km
–	**Left winger**	LW	90	91	724	661	8.2 km
–	**Striker**	ST	90	101	784	720	9.1 km

SECTION 4 · HEAT MAPS

Where on the pitch the teams played

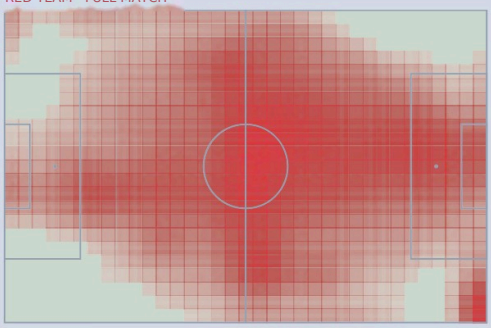
All maps are drawn with Blue Team attacking to the right; the change of ends is compensated. The left/right half cameras are placed on their own half of the pitch. Colour intensity is proportional to the time spent in that zone.

BLUE TEAM · FULL MATCH



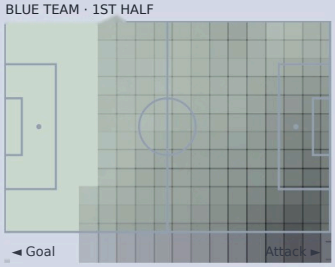
13%	66%	21%
	Middle 1/3	Attacking 1/3
26% Left channel	41% Central	33% Right channel

RED TEAM · FULL MATCH



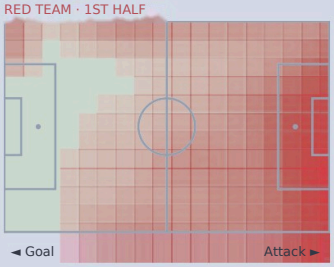
15%	55%	30%
Defensive 1/3	Middle 1/3	Attacking 1/3
19% Left	58% Central	23% Right

BLUE TEAM · 1ST HALF



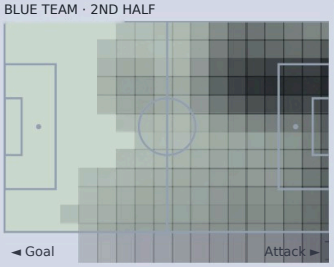
Defensive 16% · Middle 71% · Attacking 13%

RED TEAM · 1ST HALF



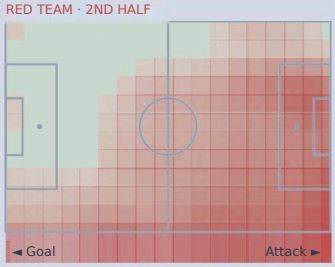
Defensive 9% · Middle 61% · Attacking 30%

BLUE TEAM · 2ND HALF



Defensive 11% · Middle 62% · Attacking 27%

RED TEAM · 2ND HALF



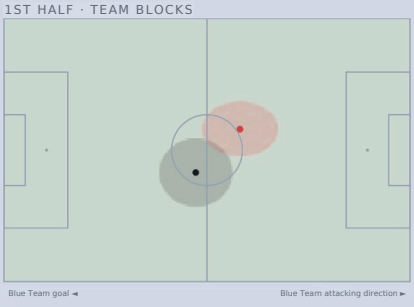
Defensive 21% · Middle 49% · Attacking 30%

SECTION 5 · TEAM SHAPE AND ZONE OF PLAY

Blocks, compactness and where play flowed

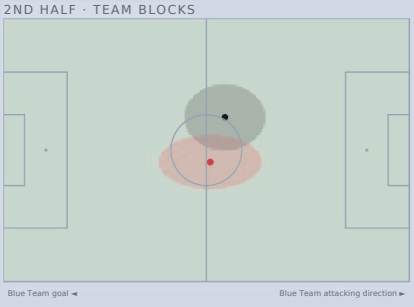
Ellipse: the team's mean position (dot) and core spread (±½ standard deviation).

1ST HALF · TEAM BLOCKS



Blue Team centre 50×28 m · spread 37×35 m
Red Team centre 61×39 m · spread 39×28 m

2ND HALF · TEAM BLOCKS



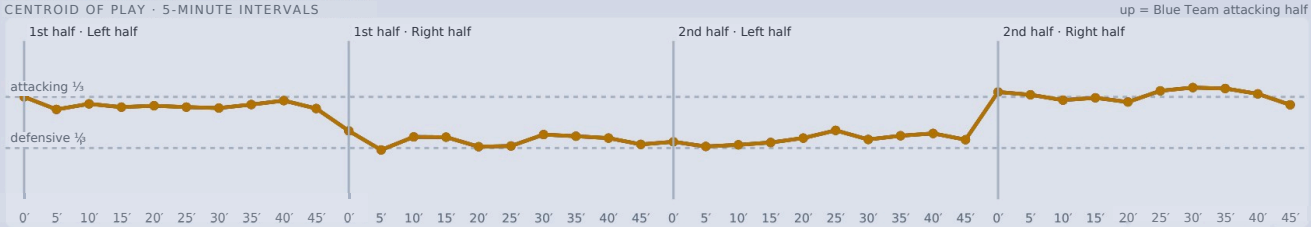
Blue Team centre 57×42 m · spread 41×33 m
Red Team centre 54×31 m · spread 53×28 m

VISIBLE BLOCK DIMENSIONS (M) · MEDIAN

SEGMENT	BLUE TEAM BLOCK	BLUE TEAM NEAREST	RED TEAM BLOCK	RED TEAM NEAREST
1st half · Left half	39.9 × 30.7	9.0	36.0 × 21.7	7.2
1st half · Right half	40.7 × 20.7	8.3	24.9 × 18.6	10.3
2nd half · Left half	40.3 × 22.3	9.1	30.8 × 37.6	10.1
2nd half · Right half	34.4 × 39.8	7.4	29.0 × 32.0	9.3

Block = width × depth of the players visible at the same time; nearest = distance to the nearest team-mate (low = compact). With a half-pitch camera the block is measured only from the players visible in that half.

CENTROID OF PLAY · 5-MINUTE INTERVALS

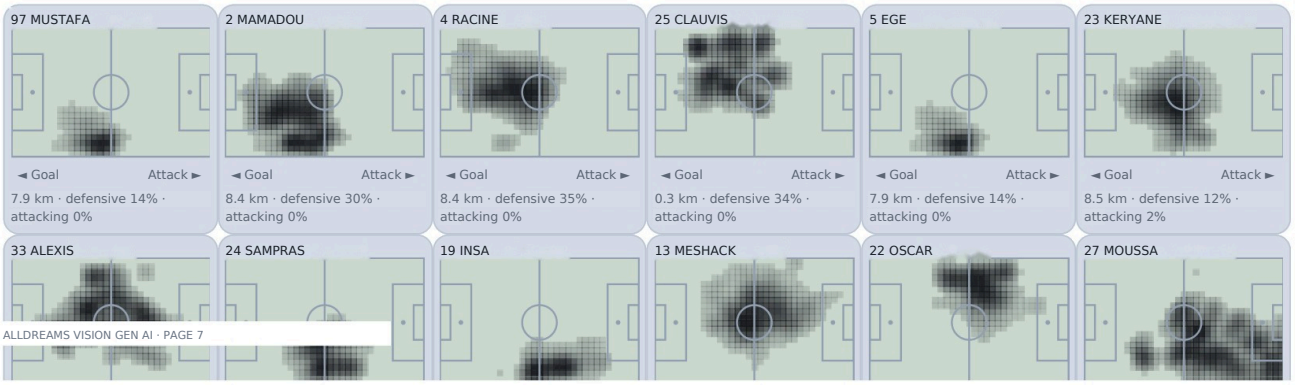


SECTION 6 · PLAYER PROFILES

Blue Team player-level metrics

Identity from position: in every frame the team's players are assigned to a 4-2-3-1 role template according to where they are on the pitch; roles are linked to players through the substitution minutes (the player coming on takes over the role of the one going off). Players who did not play are not listed. Peak: 99.5th percentile of the speed samples. High m: distance run in the 15–20 km/h band; Sprint m: ≥20 km/h. Acc/Dec: number of marked accelerations and decelerations. Def·Mid·Att: share of time spent in each third of the pitch.

NO	PLAYER	ROLE	MIN	MEDIAN KM/H	P90	PEAK	HIGH M	SPRINT M	SPRINTS	ACC/DEC	DEF·MID·ATT	M/MIN	KM
97	Mustafa	Right-back	90	3.8	9.5	23.1	591	506	6	239/127	14%·86%·0%	88	7.9
2	Mamadou	Centre-back (right)	90	4.2	9.8	25.1	469	535	3	250/131	30%·70%·0%	93	8.4
4	Racine	Centre-back (left)	86	4.2	10.8	27.6	673	636	4	269/166	35%·65%·0%	98	8.4
25	Clauvis	Centre-back (left)	4	3.8	11.5	31.8	27	41	0	14/8	34%·66%·0%	75	0.3
5	Ege	Left-back	90	3.8	9.5	23.1	591	506	6	239/127	14%·86%·0%	88	7.9
23	Keryane	Defensive midfielder	86	4.5	10.3	25.6	529	503	2	264/159	12%·86%·2%	99	8.5
33	Alexis	Defensive midfielder	4	5.2	12.7	30.4	24	21	0	10/7	13%·74%·13%	100	0.4
24	Sampras	Central mid (right)	90	4.2	10.0	24.1	627	470	1	251/140	3%·93%·4%	93	8.4
19	Insa	Right winger	86	3.8	10.0	26.8	510	575	10	221/120	1%·83%·16%	87	7.5
13	Meshack	Central mid (left)	65	4.5	10.8	25.0	490	368	4	200/100	6%·80%·14%	102	6.6
22	Oscar	Central mid (left)	25	3.5	9.0	24.5	121	138	1	86/41	0%·84%·16%	80	2.0
27	Moussa	Right winger	4	6.7	12.1	26.2	34	31	1	8/7	6%·50%·44%	100	0.4
7	Badou	Left winger	90	3.5	10.0	24.0	643	425	6	218/145	2%·65%·33%	84	7.6
11	Nobel	Striker	75	4.0	9.9	28.6	524	641	4	255/123	0%·47%·53%	93	7.0
17	Arif	Striker	15	3.6	9.5	25.5	90	99	1	45/26	0%·38%·62%	87	1.3

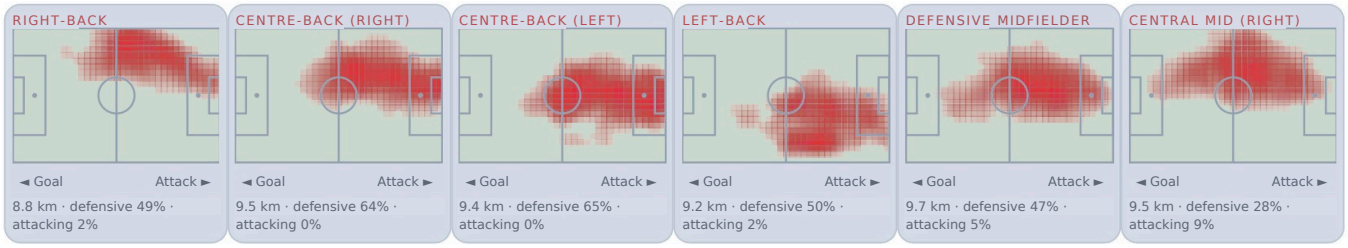


SECTION 7 · OPPONENT PLAYERS

Red Team player-level metrics

Individual loads faced by the Blue Team defence; columns as in the Blue Team table.

NO	PLAYER	ROLE	MIN	MEDIAN KM/H	P90	PEAK	HIGH M	SPRINT M	SPRINTS	ACC/DEC	DEF·MID·ATT	M/MIN	KM
–	**Right-back**	Right-back	90	4.3	10.6	26.0	649	659	10	242/148	49%·49%·2%	98	8.8
–	**Centre-back (right)**	Centre-back (right)	90	4.6	11.4	29.3	782	896	10	290/189	64%·36%·0%	106	9.5
–	**Centre-back (left)**	Centre-back (left)	90	4.6	11.4	29.1	740	966	11	276/220	65%·35%·0%	104	9.4
–	**Left-back**	Left-back	90	4.6	11.5	29.1	849	977	22	235/177	50%·48%·2%	102	9.2
–	**Defensive midfielder**	Defensive midfielder	90	4.8	11.4	28.3	813	809	1	322/197	47%·48%·5%	108	9.7
–	**Central mid (right)**	Central mid (right)	90	4.7	11.5	27.0	735	747	5	298/167	28%·63%·9%	106	9.5
–	**Central mid (left)**	Central mid (left)	90	4.7	11.3	26.7	824	699	3	272/185	31%·57%·12%	104	9.4
–	**Right winger**	Right winger	90	4.3	11.1	27.2	697	879	17	242/136	12%·72%·16%	98	8.8
–	**Left winger**	Left winger	90	3.9	10.4	26.2	724	661	11	273/131	7%·77%·16%	91	8.2
–	**Striker**	Striker	90	4.4	11.2	27.1	784	720	4	282/162	3%·71%·26%	101	9.1



Squads, method and limitations

BLUE TEAM · 4-3-3

NO	PLAYER	POS	NOTE
83	Mustafa	GK	
2	Mamadou	CB	
4	Racine	CB	C ↓86'
5	Ege	LB	
97	Mustafa	RB	
13	Meshack	CM	↓65'
24	Sampras	CM	
23	Keryane	DM	↓86'
19	Insa	RW	⚽×3 ↓86'
7	Badou	LW	
11	Nobel	ST	⚽×1 ↓75'
22	Oscar	CM	↑65'
17	Arif	FW	↑75'
25	Clauvis	CB	↑86'
27	Moussa	RW	↑86'
33	Alexis	CM	↑86'
1	Bassirou	GK	did not play
8	Baris	CM	did not play
99	Beni	CM	did not play

RED TEAM · 4-3-3

NO	PLAYER	POS	NOTE

Recording. Two fixed cameras, each filming one half of the pitch (left/right) simultaneously; 4 files, 96.8 min in total.

Detection and identity. YOLOv8m + ByteTrack, 5 frames/s. Team/goalkeeper/referee separation by shirt-colour ratio; spectators and officials excluded. Player identities were linked by shirt-number reading (EasyOCR) and operator verification.

Camera compensation and pitch mapping. The fixed cameras were mapped onto the pitch with a single homography based on the pitch lines (operator calibration); position and speed were measured in metres on the ground plane. Attacking direction was normalised so that Blue Team attacks to the right.

Speed and distance. From displacement on the ground plane (5 frames/s); pace (m/min) per half, distance = pace × minutes played. Player values are derived from the role assignment.

Limitations. The measurements are for comparison purposes; player values depend on the role assignment.