Table 1 : Radio data of the CRSS sample

SOURCE	TYPE[1]	z	RADIO POSITION (R.A. 2000) (DEC 2000)	$S_{1.475\mathrm{GHz}}$ (mJy)	α_{ox} α_{ro}
CRSS0007.3+2042	Q	0.769		<1.75	1.55 <0.17
CRSS0007.7+2050	Q	1.396		<1.20	1.33 <0.28
CRSS0008.0+2043	Q	1.381		<0.65	1.73 <0.02
CRSS0008.4+2034	Q	0.389	$00^h\ 08^m\ 26.54^s$ $+20^\circ\ 34'\ 33.6''$	1.22	1.64 0.00
CRSS0008.4+2042	Q	1.710		<0.50	1.53 <0.14
CRSS0008.6+2045	Q	0.752		<0.50	1.34 <0.21
CRSS0009.0+2041	N	0.189		<0.50	1.23 <0.28
CRSS0029.7+2603	Q	1.094		<1.20	1.60 <0.17
CRSS0030.2+2611	N	0.077	$00^h\ 30^m\ 17.38^s$ $+26^\circ\ 11'\ 39.2''$	1.23	2.15 -0.04
CRSS0030.6+2620	Q	0.492		<0.45	1.58 <-0.04
CRSS0030.7+2616	N	0.246		<0.45	1.11 <0.32
CRSS0030.8+2628	Q	1.372		<0.70	1.47 <0.15
CRSS1406.7+2827	Q	0.878		<0.40	1.46 <0.18
CRSS1406.7+2838	N	0.331		<0.55	1.16 <0.32
CRSS1407.3+2818	Q	1.121		<0.65	1.53 <0.01
CRSS1407.3+2814	Q	0.728		<0.75	1.22 <0.29
CRSS1407.6+2825	Q	1.222		<0.50	1.77 <0.13
CRSS1407.7+2830	Q	0.642		<0.70	1.24 <0.10
CRSS1407.7+2824	Q	1.127		<0.70	1.19 <0.28
CRSS1412.5+4355	N	0.094		<0.60	1.63 <-0.04
CRSS1413.3+4405	N	0.136		<0.30	1.00 <0.28
CRSS1413.4+4358	Q	0.950	$14^h\ 13^m\ 29.01^s$ $+43^\circ\ 58'\ 07.2''$	0.45	1.48 0.16
CRSS1413.8+4406	Q	0.978	$14^h\ 13^m\ 48.25^s$ $+44^\circ\ 06'\ 47.1''$	0.44	1.08 0.29
CRSS1413.8+4402	Q	1.347		<0.30	1.16 <0.26
CRSS1414.2+4354	Q	1.197		<0.50	1.44 <0.13

Table 1 : *Continued*

SOURCE	TYPE[1]	z	RADIO POSITION (R.A. 2000) (DEC 2000)	$S_{1.475GHz}$ (mJy)	α_{ox} α_{ro}
CRSS1415.0+4402	N	0.136		<0.60	1.08 <0.33
CRSS1415.0+1119	Q	0.538		<0.95	1.35 <0.21
CRSS1415.1+1140	Q	2.353		<1.05	1.47 <0.19
CRSS1415.2+1123	Q	1.230		<0.70	1.53 <0.17
CRSS1415.5+1127	Q	1.412		<0.65	1.25 <0.28
CRSS1415.5+1131	Q	0.256		<0.65	1.23 <0.17
CRSS1415.5+1128	Q	0.359		<0.65	1.56 <0.31
CRSS1415.7+1116	Q	1.257		<1.10	1.63 <0.16
CRSS1416.2+1131	Q	1.429		<0.95	1.41 <0.32
CRSS1416.3+1124	Q	1.673		<1.10	1.37 <0.28
CRSS1418.3+0637	Q	0.328		<25.0	1.84 <0.29
CRSS1419.2+5429	Q	0.722		<0.65	1.47 <0.17
CRSS1419.3+5424	Q	0.785		<0.70	1.53 <0.22
CRSS1419.8+5433	Q	0.367		<0.70	1.25 <0.28
CRSS1419.9+5430	Q	2.257		<0.65	1.68 <0.01
CRSS1420.1+5426	Q	0.583		<0.70	1.26 <0.20
CRSS1428.3+4231*	Q	2.170		<1.15	1.78 <0.08
CRSS1429.0+0122	Q	0.416		<0.25	1.45 <0.11
CRSS1429.0+0120	N	0.102		<0.30	2.00 <-0.01
CRSS1429.1+0128	Q	1.131		<0.25	1.24 <0.19
CRSS1429.2+0120	Q	1.127		<0.30	1.60 <0.03
CRSS1429.7+4240*	Q	1.672		<2.40	1.71 <0.03
CRSS1514.4+5627	N	0.446		<2.50	1.29 <0.34
CRSS1514.7+3641	Q	1.219		<5.80	1.31 <0.35
CRSS1515.0+3657	Q	0.253		<3.05	1.17 <0.34

Table 1 :*Continued*

SOURCE	TYPE[1]	z	RADIO POSITION (R.A. 2000) (DEC 2000)	$S_{1.475GHz}$ (mJy)	α_{ox} α_{ro}
CRSS1515.1+5628	Q	0.723		<1.15	1.33 <0.23
CRSS1515.4+3652	Q	0.893		<3.05	1.20 <0.35
CRSS1515.5+3655	Q	0.812		<3.05	1.34 <0.27
CRSS1515.7+5610	Q	0.296		<0.50	1.34 <0.18
CRSS1516.3+5611	Q	1.167		<0.50	1.44 <0.20
CRSS1517.0+5623	Q	0.434		<0.50	1.25 <0.19
CRSS1545.4+4838	Q	0.937		<1.00	1.27 <0.28
CRSS1545.5+4858	Q	0.666		<0.70	1.60 <0.16
CRSS1545.5+4847	Q	1.403		<0.60	1.62 <0.16
CRSS1545.9+4849	Q	0.154		<0.60	1.24 <0.24
CRSS1604.8+2549	Q	0.426		<0.90	1.55 <0.28
CRSS1605.2+2541	Q	1.071		<0.70	1.56 <0.10
CRSS1605.6+2543	N	0.278		<0.60	1.38 <0.19
CRSS1605.9+2554	N	0.151		<0.65	1.41 <0.23
CRSS1606.6+2542	Q	1.436		<0.85	1.58 <0.12
CRSS1618.4+0558	Q	0.406		<0.80	1.36 <0.23
CRSS1620.1+1724$^{\diamond}$	Q	0.114		1.09$^{\diamond}$	1.45 -0.16
CRSS1653.3+3951	Q	0.692		<0.50	1.19 <0.20
CRSS1654.5+3954	Q	0.340		<0.85	1.26 <0.15
CRSS1704.1+6047$^{\bullet}$	Q	1.361		<3.20	1.60 <0.16
CRSS1705.3+6049	N	0.572		<0.60	1.10 <0.30
CRSS1705.3+6044$^{\bullet}$	Q	1.416		<3.20	1.52 <0.25
CRSS1705.4+6031$^{\bullet}$	Q	0.375		<5.75	1.56 <0.22
CRSS1705.5+6042$^{\bullet}$	Q	0.280	$17^h\ 05^m\ 34.74^s$ $+60^\circ\ 42'\ 16.3''$	4.40	0.98 0.35
CRSS1706.4+6042$^{\bullet}$	Q	1.142		<5.05	1.68 <0.25

Table 1 : *Continued*

SOURCE	TYPE[1]	z	RADIO POSITION (R.A. 2000) (DEC 2000)	$S_{1.475\mathrm{GHz}}$ (mJy)	α_{ox} α_{ro}
CRSS2235.3+1340	Q	1.021		<0.75	1.25
					<0.18
CRSS2250.0+1407	Q	1.159	22^h 50^m 01.18^s	6.86	1.19
			$+14^\circ$ $07'$ $39.6''$		0.43
CRSS2251.0+1418	Q	0.962		<2.50	1.45
					<0.21
CRSS2324.7+2315	Q	1.828		<0.75	1.72
					<0.10
CRSS2324.8+2321	Q	0.447		<0.75	1.35
					<0.17

[1] TYPE : Q = QSO ; N = Narrow Emission Line X-ray Galaxies
⋆ Data at 1.464 GHz from the VLA Archive (code : AM330 , see §2 for more details)
⋄ Radio flux at 5 GHz from Kellermann et al. (1989)
• Data at 1.477 GHz from the VLA Archive (code : AL146 , see §2 for more details)

Table 2 : X-ray Luminosity Function Models

Model	q_0	γ_1	γ_2	$\log L_X^*(0)^\dagger$	k	Φ_X^* ‡	P_{KS}	V_e/V_a	N_{obj}	Surveys Used
A - RL	0.0	0.48±0.25	3.17±0.20	44.14±0.18	2.79±0.26	0.02	0.24	0.77±0.04	43	EMSS
A - RQ	0.0	1.76±0.15	3.50±0.12	43.91±0.18	2.53±0.10	0.49	0.08	0.60±0.02	363	EMSS
B - RL	0.5	0.84±0.25	3.12±0.20	44.11±0.18	2.55±0.26	0.03	0.16	0.79±0.04	43	EMSS
B - RQ	0.5	1.83±0.15	3.84±0.12	44.06±0.18	2.23±0.10	0.45	0.10	0.60±0.02	363	EMSS
C - RL	0.0	0.80±0.22	3.03±0.20	44.27±0.18	2.43±0.26	0.02	0.21	0.75±0.04	45	EMSS + CRSS
C - RQ	0.0	1.82±0.15	3.70±0.10	43.95±0.15	2.71±0.10	0.46	0.17	0.64±0.01	440	EMSS + CRSS
C⋆ RL	0.0	1.22±0.22	3.73±0.20	44.35±0.18	2.84±0.26	0.02	0.22	0.75±0.04	45	EMSS + CRSS
C⋆⋆ RL	0.0	1.65±0.22	3.66±0.20	44.38±0.18	2.75±0.26	0.02	0.05	0.77±0.04	45	EMSS + CRSS
D - RL	0.5	0.10±0.22	3.01±0.20	44.09±0.18	2.33±0.26	0.03	0.15	0.77±0.04	45	EMSS + CRSS
D - RQ	0.5	1.87±0.15	3.79±0.10	44.01±0.15	2.30±0.10	0.49	0.13	0.65±0.01	440	EMSS + CRSS
E - RL	0.0	1.45±0.25	3.26±0.20	44.47±0.18	2.44±0.26	0.02	0.47	0.72±0.04	51	$EMSS^a$ + $CRSS^a$
E - RQ	0.0	1.79±0.15	3.66±0.10	43.89±0.15	2.76±0.10	0.49	0.10	0.64±0.01	434	$EMSS^a$ + $CRSS^a$
E′ - RL	0.0	1.65±0.15	3.56±0.15	43.95±0.15	2.98±0.20	0.17	0.01	0.79±0.02	195	$EMSS^b$ + $CRSS^b$
E′ - RQ	0.0	1.91±0.15	3.72±0.15	44.09±0.15	2.34±0.20	0.28	0.01	0.56±0.02	290	$EMSS^b$ + $CRSS^b$
F - RL	0.0	-1.80±0.25	3.10±0.20	44.11±0.18	2.71±0.26	0.01	0.29	0.76±0.01	40	$EMSS^c$ + $CRSS^c$
F - RQ	0.0	1.79±0.15	3.65±0.10	43.91±0.15	2.73±0.10	0.49	0.11	0.64±0.01	445	$EMSS^c$ + $CRSS^c$
G - RL	0.0	-0.01±0.30	2.89±0.20	44.42±0.18	2.42±0.26	0.01	0.70	0.72±0.06	24	$EMSS^d$ + $CRSS^d$
G - RQ	0.0	1.86±0.15	3.78±0.10	44.02±0.15	2.70±0.10	0.43	0.16	0.65±0.01	461	$EMSS^d$ + $CRSS^d$

† In units of erg s^{-1}
‡ In units of 10^{-6} $Mpc^{-3}(10^{44} erg\ s^{-1})^{-1}$
⋆ Using only the unbeamed X-ray luminosity obtained from $\mathrm{Log}L_x = 0.124\times\mathrm{Log}(L_{xb}/L_{xu}) + 27.71$ (see § 4.3)
⋆⋆ Using only the unbeamed X-ray luminosity obtained from $\mathrm{Log}L_x = 0.13\times\mathrm{Log}(L_{xb}/L_{xu}) + 27.52$ (see § 4.3)
[a] Assuming $\alpha_{ro} \geq 0.2$ as definition of Radio-Loud object and assuming RQ the objects with radio upper limit $\alpha_{ro} \geq 0.2$.
[b] Assuming $\alpha_{ro} \geq 0.2$ as definition of Radio-Loud object and assuming RL the objects with radio upper limit $\alpha_{ro} \geq 0.2$.
[c] Assuming $\alpha_{ro} \geq 0.4$ as definition of Radio-Loud object.
[d] Assuming $\alpha_{ro} \geq 0.5$ as definition of Radio-Loud object.

Table 3: Radio-Loud AGN with Log$F$ = Log$(L_{xb}/L_{xu}) > 1.0$

Source Name	z	Sr (mJy)[1]	log L_x^2	Log$F$
MS0012.5−0024	1.6950	24.0	27.72	1.55
MS0038.8−0159	1.6752	322.0	27.71	1.43
MS2134.0+0028	1.9360	9960.0	27.89	2.86
MS2247.8−0703	1.7100	44.7	27.73	1.64

[1] 6 cm VLA data (Stocke et al. 1991).
[2] X-ray luminosity at 2 keV in units of erg s^{-1} Hz^{-1}.