The Einstein database of IPC x-ray observations of optically selected and radio-selected quasars, 1.

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THE *EINSTEIN* DATABASE OF IPC X-RAY OBSERVATIONS OF OPTICALLY SELECTED AND RADIO-SELECTED QUASARS. I.

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ABSTRACT

We present the first volume of the *Einstein* quasar database. The database includes estimates of the X-ray count rates, fluxes, and luminosities for 514 quasars and Seyfert 1 galaxies observed with the Imaging Proportional Counter (IPC) aboard the *Einstein Observatory*. All were previously known optically selected or radio-selected objects, and most were the targets of the X-ray observations. The X-ray properties of the AGNs have been derived by reanalyzing the IPC data in a systematic manner to provide a uniform database for general use by the astronomical community. We use the database to extend earlier quasar luminosity studies which were made using only a subset of the currently available data. The database can be accessed on internet via the SAO *Einstein* on-line system ("Einline") and is available in ASCII format on magnetic tape and DOS diskette.

Subject headings: galaxies: Seyfert — quasars: general — X-rays: galaxies

1. INTRODUCTION

Einstein observations have shown that most, if not all, quasars are luminous X-ray sources (Tananbaum et al. 1979; Avni & Tananbaum 1986, hereafter AT86). The *Einstein* data have been used to determine the X-ray properties of individual quasars as well as to study the characteristics of statistically well-defined or complete samples. A substantial body of literature (references in text below) presents data on quasars selected for X-ray observation on the basis of a wide range of characteristics (e.g., optical flux, optical luminosity, redshift, radio characteristics, etc.), providing convincing evidence for the correlation of X-ray emission with optical emission and for the presence of excess X-ray luminosity in radio-loud quasars. In addition, *Einstein* observations of statistically well-defined samples (see § 3) have been used to carry out analyses of quasar luminosity and evolution functions in the X-ray band.

Most of these *Einstein* observations of quasars (and all of those reported in this paper) were carried out with the Imaging Proportional Counter (Giacconi et al. 1979). The Imaging Proportional Counter (IPC) was well suited for this observational program by virtue of its high throughput, its better than 30″ positional accuracy for point sources, and its modest energy resolution which enabled us to determine fluxes and luminosities over a reasonably well-defined energy band.

A large number ($\sim$1000) of quasars and active galaxies (AGNs) were observed from 1978 to 1981 as part of many different observing programs with the IPC. Many of these data have been analyzed and published elsewhere under the original scientific programs involved. Due to differing analysis procedures and scientific aims, the results are of varying quality and scattered throughout the literature.

In this paper we present the first part of the *Einstein* quasar database. The database includes estimates of or upper limits to the X-ray count rates and errors, fluxes, and luminosities for 514 previously known optically selected or radio-selected quasars and Seyfert 1 galaxies for which targeted observations were made with the IPC. The results have been derived by reanalyzing, in a systematic manner, the current (Rev 1B) version of the IPC-processed data to provide a uniform database for general use by the astronomical community. The data are presented in a series of tables as follows: Table 1 gives the basic information on each quasar; Table 2 gives details of the *Einstein* observations; Tables 3A–3C give the X-ray fluxes and luminosities for five different assumed energy indices: 0.0, 0.5, 1.0, 1.5, and 2.0; Tables 5A and 5B list objects and observations missing from our database; Table 6 gives optical magnitudes and luminosities.

2. THE SAMPLE

The IPC quasar observations have been divided into two subsets since the details of the analysis procedure are different in the two cases. The first subset is presented here and includes primarily quasars and Seyfert 1 galaxies which were targets of IPC observations. The objects in this "target sample" mostly appear on-axis in the images. The target sample also includes several fields with multiple known quasars where the entire group is the selected target and most appear off-axis in the image. The second subset includes radio-selected and optically selected quasars which were observed because they lie in the field of view of another IPC target. These latter objects, which we estimate as roughly equal in number, will be reported in a later paper. Some nontarget sources, which have already been analysed and are included in this paper, are noted in Table 2.

The current sample contains 636 observations of 514 objects. We include all sources which are classified as quasars or Seyfert 1 galaxies in the compilations of Hewitt & Burbidge

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(1987, 1989) and Véron-Cetty & Véron (1987). We also include objects classified as quasars in the *Einstein Observatory* Catalog of Observations (the "Yellow Book," 5th edition; Section III, Tables 4.1 and 4.3) with the exception of objects obviously misclassified (BL Lac, objects, galaxies, etc.), without a redshift in the available literature, or which were missed due to satellite pointing problems or incorrect positions. Such objects are all noted in Table 5A (see below for additional details).

For X-ray–bright objects observed on multiple occasions to study possible time variability, we normally use the initial ("survey") flux observation in order to avoid introducing biases into our analysis. For objects observed more than once in a "survey" or serendipitous mode, we normally select the longest exposure for further analysis. In a few instances the selection of a "primary" observation is made on an arbitrary basis. In any case, whenever there are multiple observations, the one selected for further analysis is indicated by a "1" in the Note columns of Tables 2 and 6.

Basic information is given in Table 1 with the quasars in order of increasing source right ascension and including various common names, optical celestial coordinates (1950), references, redshift, notes, and sample membership. The coordinate designation given in the first column follows IAU convention, is unique to each object, and is used throughout the paper to identify that object in the database. Letters have been added when necessary to ensure uniqueness internal to this database, but no attempt was made to conform to the efforts of other authors to do the same.

As a whole our sample is *incomplete,* although it contains a few complete subsamples: 64 PG quasars (Tananbaum et al. 1986); 33 3CR radio quasars (Tananbaum et al. 1983); and 30 Braccesi BF quasars (Marshall et al. 1984). These complete subsamples are indicated in Table 1. The PG quasars are an unbiased subset selected from the original Bright Quasar Survey (Schmidt & Green 1983); the current sample contains two fewer PG X-ray observations than reported by Tananbaum et al. (1986) due to the exclusion of one HRI observation and one IPC measurement confused by nearby X-ray sources (see Table 5A). The 3CR and BF subsets are both complete, flux-limited samples (Schmidt 1968; Tananbaum et al. 1983; Braccesi, Lynds, & Sandage 1968; Marshall et al. 1984). The remainder of our sample is a heterogeneous mixture of quasars and Seyfert 1 galaxies which were observed by many different investigators for various scientific reasons.

3. THE DATABASE

3.1. *Source Detection and Flux Estimates*

Throughout this paper, we use the standard IPC PI (pulse-height invariant), broad-band (0.16–3.5 keV) images and background maps from the data processed with the current, Rev 1B, version of the standard processing software (described in Harnden et al. 1984). Fluxes were determined using definitive versions of the effective area table and the gain calibration (Harnden et al. 1984). The data were analyzed using a fully automated procedure to ensure uniformity and consistency. A list of all the observations, including *Einstein* sequence number (unique identifier for each *Einstein* observation), observation dates, count rate and uncertainty, livetime, angle off-axis, and detector gain, are given in Table 2 in increasing order of RA. The coordinate designation and IPC sequence number are used in subsequent tables to identify uniquely each object/observation pair.

Quasar optical positions are taken in order of preference from Schmidt & Green (1983) for PG objects, from Hewitt & Burbidge (1987, 1989), and from Véron-Cetty & Véron (1987) (Table 1). X-ray locations are accurate to $\pm 20''$ (1 σ) as determined by comparing the X-ray and optical positions for the X-ray–detected quasars in the PG sample. This is consistent with the detailed study of position accuracy reported in the IPC Specifications (Harnden et al. 1984). The X-ray analysis was performed using the optical position for X-ray nondetections and the X-ray centroid for X-ray detections within 1′ (3 σ) of the optical position. The use of the X-ray centroid allows an accurate estimate of the X-ray flux of the source.

The presence/absence of X-ray emission was determined using a standard $2'.4 \times 2'.4$ detect cell on the IPC broad-band (0.16–3.5 keV) image. This size of detect cell optimizes the signal-to-noise ratio and detection sensitivity for on-axis point sources for the *Einstein* broad energy band. Background counts were estimated using a detect cell of the same size and position on the broad-band background map, which was generated by the standard processing software for each image by combining appropriate proportions of the instrument flat field (DSMAP) and the background light due to diffuse X-rays (BEMAP; Harnden et al. 1984). Observations were determined to be detections when

$$N_{\rm box} > 3\sqrt{B_{\rm box}}\ , \qquad (1)$$

where $N_{\rm box}$ = net counts (image counts minus background map counts) and $B_{\rm box}$ = background map counts in the detection box and assuming the noise in the background map is negligible.

A best estimate or 3 σ upper limit on the source counts was determined using a circle with 3′ radius centered on the X-ray centroid (X-ray detections) or optical position (X-ray nondetections). This size circle ensures that the majority of counts are included and is appropriate for use with the standard effective area calibration (Harnden et al. 1984). Background was estimated using the same 3′ circle at the same position on the background map. Net source counts evaluated this way are given in Table 2. The error on the net counts was estimated as

$$\sigma_{\rm cir} = \sqrt{T_{\rm cir}}\ , \qquad (2)$$

where $T_{\rm cir}$ = total counts in a 3′ circle, and we have assumed that the uncertainty in the background subtraction is negligible. The different expressions appropriate for detection and flux determination along with the use of differently sized regions in the two cases lead to the possibility that a source which gives a 3 σ detection may have a flux which is known less accurately. This situation arises for 57 of our observations (corresponding to 56 different quasars), which are treated as positive detections but are flagged in Table 2 (marked as 9 in the Note column) and Table 3 (marked as 3 in the Note column). Moreover, in a few cases (10) the detection process resulted in a large (>3 σ) negative net rate for reasons not well understood (although seven of these 10 cases are likely due to the presence of a nearby contaminating source (cf. § 3.2 be-

TABLE 1

QUASARS AND SEYFERT 1 GALAXIES INCLUDED IN DATABASE[a]

Name	Other Names	R.A. (B1950)	Dec.	Ref	Z	Note	Sample
0002-422		0 2 15.9	-42 14 7.0	HB89	2.758	1	
0003+158	PHL 658,4C 15.01,PKS,OB 106	0 3 25.1	15 53 7.4	HB89	.450	1	PG
0007-000	UM 208	0 7 42.8	0 -4 12.0	HB89	2.31	1	
0007+106	III ZW 2,PG	0 7 56.7	10 41 47.8	HB89	.089	1	PG
0007+171	PKS,4C 17.04,OB 113,MC 3	0 7 59.4	17 7 38.0	HB89	1.601		
0009-016	UM 211,PB 5791	0 9 37.2	-1 38 48.0	HB89	2.00	1	
0013-004	UM 224,PB 5829	0 13 28.7	0 -29 5.0	VV87	2.09	1	
0014+166	PG	0 14 16.0	16 41 57.0	HB89	.100	1	
0014+318		0 14 24.7	31 52 12.0	B2	1.086	1	
0014+159		0 14 35.4	15 59 4.0	ANDP	2.20	1	
0015+155		0 15 54.8	15 35 48.0	HB89	2.30	1	
0016+731	S5	0 16 54.2	73 10 51.5	HB89	1.781		
0017+154	3CR 9,4C 15.02,PHL 2871,OB 129,MC 3	0 17 49.8	15 24 16.5	HB89	2.012		3CR
0019+011	UM 232,PB 5901	0 19 53.6	1 7 35.0	HB89	2.121	1	
0026+129	PG	0 26 38.1	12 59 29.6	HB89	.142	1	PG
0037-018	UM 264	0 37 44.8	-1 53 50.0	HB89	2.34	1	
0038-020	PKS,PB 6091	0 38 23.8	-2 2 54.0	HB89	1.178		
0043+008	UM 275,PHL 6612	0 43 39.5	0 48 3.0	HB89	2.143	1	
0044+030	PKS,PG,PHL 828	0 44 31.2	3 3 35.0	HB89	.624	1	PG
0049+171	Mkn 1148	0 49 16.5	17 9 41.0	SG83	.064	1	PG
0049+007	UM 287,PHL 868	0 49 28.4	0 45 13.0	HB89	2.27	1	
0049+014	UM 288	0 49 59.5	1 24 24.0	HB89	2.31	1	
0050+124	I ZW 1,PG	0 50 57.8	12 25 20.0	HB89	.061	1	PG
0051+291	4C 29.01,B2	0 51 2.1	29 8 51.2	HB89	1.828		
0051+146	PHL 891	0 51 57.1	14 39 14.1	HB89	.874	1	
0052+145	PHL 892	0 52 6.2	14 30 31.4	HB89	.911	1	
0052+251	PG	0 52 11.1	25 9 24.0	HB89	.155	1	PG
0054+144	PHL 909	0 54 31.9	14 29 58.6	HB89	.171	1	
0055+004	UM 294	0 55 50.8	0 25 3.0	HB89	1.92	1	
0056-001	PHL 923,4C-00.06,PKS,OB-094	0 56 31.7	0 -9 19.2	HB89	.717		
0057+315	Mkn 352	0 57 9.1	31 33 28.0	VV87	.015	1	
0058+019	PHL 938,UM 297	0 58 19.7	1 55 28.0	HB89	1.955	1	
0100+130	PHL 957	1 0 33.4	13 0 10.6	HB89	2.681	1	
0106+013	PKS,4C 01.02,OC 012,PB 6280	1 6 4.5	1 19 1.4	HB89	2.107		
0109+022	UM 87	1 9 42.9	2 14 0.0	HB89	2.35	1	
0112-017	PKS,UM 310,PB 6342	1 12 43.9	-1 42 54.8	HB89	1.365	1,3	
0115-011	UM 314,PB 6370	1 15 54.7	-1 8 24.0	HB89	2.19	1	
0117+213	PG	1 17 34.7	21 18 4.0	HB89	1.493	1	PG
0119+041	OC 033,PKS,GC	1 19 21.4	4 6 44.0	HB89	.637		
0119-013	II ZW 1	1 19 26.5	-1 18 5.0	HB89	.054	1	
0119-046	PKS,4C-04.04,OC-034,PB 8761	1 19 56.0	-4 37 7.2	HB89	1.948		
0119+229	PG	1 19 57.0	22 54 35.0	SG83	.053	1	PG
0121-590	ESO 113-,IG 45,F 9	1 21 51.2	-59 3 58.9	HB89	.045	1	
0122-380		1 22 2.2	-38 0 4.0	HB89	2.181	1	
0126+030	UM 104,PB 6465	1 26 8.5	3 1 19.0	HB89	1.62	1	
0128+074	PHL 3375,PB 6482	1 28 25.2	7 28 14.5	HB89	.390	1	
0130+033	PHL 1027,UM 114	1 30 31.6	3 23 41.3	HB89	.363	1	
0130-403		1 30 50.5	-40 21 54.0	HB89	3.03	1	
0130-406		1 30 50.7	-40 38 13.0	HB89	2.39	1	
0131-404A		1 31 3.5	-40 27 23.0	VV87	1.48	1	
0131+037	PHL 1033,UM 118	1 31 7.8	3 42 13.5	HB89	.255	1	
0131-409B		1 31 40.0	-40 54 23.0	HB89	2.36	1	
0131-409A		1 31 48.4	-40 54 49.0	HB89	1.34	1	
0132-408		1 32 20.8	-40 48 26.0	HB89	2.42	1	
0133+207	3CR 47,4C 20.07,PKS,CTA 14	1 33 40.4	20 42 10.6	HB89	.425		3CR
0134+033	PHL 1070	1 34 43.3	3 23 14.0	HB89	.079	1	

TABLE 1—*Continued*

Name	Other Names	R.A. (B1950) Dec.						Ref	Z	Note	Sample
0134+329	3CR 48,4C 32.08,NRAO 79,OC 358,DA 5	1	34	49.8	32	54	20.4	HB89	.367		3CR
0135-247	PKS,OC-259	1	35	17.2	-24	46	9.4	HB89	.831		
0137+060	PHL 1092	1	37	19.0	6	4	10.5	HB89	.396	1	
0137-010	NAB,UM 357,PHL 1096	1	37	43.8	-1	5	12.9	HB89	.334	1	
0140-306		1	40	37.5	-30	38	50.0	HB89	3.13	1	
0143-015	UM 366,PHL 7756	1	43	18.2	-1	35	30.0	VV87	3.14	1	
0143-010	UM 368	1	43	46.7	-1	1	26.0	HB89	3.16	1	
0145+042	UM 139	1	45	41.4	4	16	25.0	VV87	2.03	1	
0146+017	UM 141	1	46	44.0	1	42	30.0	HB89	2.909	1	
0149-397		1	49	18.3	-39	42	42.7	HB89	2.058	1	
0151+045	PHL 1226,UM 145	1	51	51.6	4	33	37.7	HB89	.404	1	
0157+001	Mkn 1014, PG	1	57	15.8	0	9	10.0	HB89	.163	1	PG
0159+036	UM 154,PB 6589	1	59	23.8	3	36	16.0	HB89	2.44	1	
0203+151A		2	3	7.3	15	9	7.0	HB89	2.00	1	
0203+151B		2	3	31.2	15	9	7.0	ANDP	2.5	1	
0203+150		2	3	38.4	15	1	5.0	HB89	2.10	1	
0203+152		2	3	49.1	15	14	52.0	ANDP	2.30	1	
0205+024	NAB,Mkn 586, PB 6679	2	5	14.5	2	28	42.7	HB89	.155	1	
0205-379		2	5	19.4	-37	56	7.0	HB89	2.41	1	
0205+150		2	5	44.8	15	0	41.0	HB89	2.40	1	
0207-003	UM 402,PB 6709B	2	7	17.0	0	-19	6.0	VV87	2.84	1	
0207-398		2	7	24.3	-39	53	50.0	HB89	2.813	1	
0210+860	3CR61.1BSO,RN 8 BS	2	10	49.0	86	5	10.0	HB89	.184		
0212-009	Mkn 590	2	12	0.4	0	-59	57.0	VV87	.027	1	
0212+735	S5	2	12	50.0	73	35	40.5	HB89	2.367		
0219+428	3C 66A	2	19	30.0	42	48	30.4	HB89	.444		
0225+310	Mkn 1040	2	25	16.5	31	5	18.0	VV87	.016	1	
0225-014	PKS,4C-01.11,OD-043	2	25	35.0	-1	29	3.9	HB89	2.037		
0226-038	PHL 1305,PKS,4C-03.07,OD-044	2	26	22.1	-3	50	59.5	HB89	2.064		
0229+131	PKS,4C 13.14,OD 148	2	29	2.4	13	9	41.0	HB89	2.065		
0229+341	3CR 68.1,4C 34.08,NRAO 105,DA 78	2	29	27.2	34	10	34.1	HB89	1.238		
0232-090	NGC 985	2	32	10.5	-9	0	21.0	VV87	.043	1	
0234+285	4C 28.07,OD 258,B2,GC	2	34	55.6	28	35	8.0	HB89	1.213		
0237-027	PKS	2	37	13.7	-2	47	32.5	HB89	1.116		
0237+040	OD 062,PKS,GC	2	37	14.3	4	3	17.0	HB89	.978		
0237-233	PKS,PHL 8462,OD-263	2	37	52.7	-23	22	8.5	HB89	2.223		
0238+069	Mkn 595	2	38	55.8	6	58	27.0	VV87	.028	1	
0242-410		2	42	2.4	-41	4	2.0	HB89	2.214	1	
0246+190	Mkn 372	2	46	31.4	19	5	50.0	VV87	.031	1	
0254-404		2	54	39.1	-40	24	59.0	HB89	2.29	1	
0306+169		3	6	6.7	16	54	23.0	HB89	2.14	1	
0307+169	3C 79.0	3	7	11.5	16	54	37.0	VV87	.256	1	
0312-770	PKS	3	12	55.7	-77	3	1.0	HB89	.223		
0333+321	NRAO 140,4C 32.14,OE 355,B2	3	33	22.4	32	8	36.6	HB89	1.258		
0336-019	PKS,CTA 26,DA 110,OE-063	3	36	58.9	-1	56	16.3	HB89	.852		
0340+048	3CR 93,PKS,OE 069,4C 04.13	3	40	51.5	4	48	21.7	HB89	.357		
0400+258	OF 200,B2,DW,CTD 26	4	0	3.7	25	51	45.0	HB89	2.109		
0403-132	PKS	4	3	14.0	-13	16	17.9	HB89	.571		
0405-123	MSH 04-12,PKS,OF-109	4	5	27.4	-12	19	31.8	HB89	.574		
0409+229	3C 108,4C 22.08,NRAO 167,DA 128	4	9	44.7	22	57	27.8	HB89	1.215		
0410+110	3C 109.0	4	10	54.9	11	4	41.0	VV87	.306	1	
0414-060	PKS,4C-05.17,3C 110,OF-024	4	14	49.2	-6	1	4.3	HB89	.781		
0415+379	3C 111.0	4	15	0.6	37	54	19.0	VV87	.048	1	
0418-550	NGC 1566	4	18	53.3	-55	3	23.0	VV87	.004	1	
0420-388		4	20	30.1	-38	51	50.4	HB89	3.12	1	
0420-014	PKS,OF-035,OA 129	4	20	43.5	-1	27	28.5	HB89	.915		
0424-131	PKS,NRAO 178,OF-141.3	4	24	47.8	-13	9	33.4	HB89	2.165		
0430+052	3C 120	4	30	31.6	5	14	59.0	VV87	.033	1	
0434-104	Mkn 618	4	34	0.0	-10	28	36.0	VV87	.035	1	

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TABLE 1—*Continued*

Name	Other Names	R.A. (B1950)	Dec.	Ref	Z	Note	Sample
0438-166		4 38 11.6	-16 38 12.0	HB89	1.96	1	
0438-436	PKS	4 38 43.2	-43 38 54.0	HB89	2.852		
0439-164		4 39 34.9	-16 24 24.0	ANDP	2.20	1	
0440-003	PKS,NRAO 190,OF-067,DA 145	4 40 5.3	0 -23 20.6	HB89	.844		
0454-234	PKS0454-234	4 54 57.3	-23 29 29.0	VV87	1.009	1	
0458-020	PKS,DA 157,4C-02.19,OF-098	4 58 41.3	-2 3 34.5	HB89	2.286		
0513-002	AKN 120	5 13 37.9	0 -12 16.0	VV87	.033	1	
0518+165	3CR 138,4C 16.12,PKS,OG 130.2	5 18 16.5	16 35 26.2	HB89	.759		3CR
0518-458	PKS 0518-45	5 18 18.2	-45 49 48.0	VV87	.034	1	
0528-250	PKS	5 28 5.2	-25 5 45.0	VV87	2.765		
0537-441	PKS	5 37 21.1	-44 6 45.4	HB89	.894		
0537-286	PKS,OG-263,B1	5 37 56.9	-28 41 28.3	HB89	3.11		
0538+498	3CR 147,4C 49.14,NRAO 221,OG 465,DA	5 38 43.6	49 49 42.8	HB89	.545		3CR
0605-085	OH-010	6 5 36.0	-8 34 19.0	HB89	.87		
0607-157	PKS,MC	6 7 26.1	-15 42 4.2	HB89	.324		
0637-752	PKS,MC	6 37 23.3	-75 13 37.8	HB89	.656		
0642+449	OH 471	6 42 53.0	44 54 31.1	HB89	3.402		
0655+542	Mkn 374	6 55 34.5	54 15 57.0	VV87	.044	1	
0710+118	3CR 175,4C 11.26,PKS,OI 117	7 10 15.4	11 51 23.9	HB89	.768		3CR
0730+659	W1	7 30 18.0	65 59 39.0	HB89	1.937		
0732+588	Mkn 9	7 32 42.2	58 52 56.0	VV87	.039	1	
0736+017	PKS,OI 061	7 36 42.5	1 44 0.1	HB89	.191		
0738+313	OI 363,B2,DW	7 38 0.2	31 19 1.8	HB89	.631		
0740+380	3CR 186,4C 38.21,NRAO 273,OI 368	7 40 56.8	38 0 31.0	HB89	1.063		3CR
0752+393	Mkn 382	7 52 3.6	39 19 7.0	VV87	.034	1	
0758+143	3CR 190,PKS,4C 14.25,NRAO 278	7 58 45.1	14 23 4.3	HB89	1.195		
0802+103	3CR 191,4C 10.25,PKS,OJ 103.3	8 2 3.8	10 23 56.3	HB89	1.956		3CR
0804+761	PG	8 4 35.4	76 11 32.0	HB89	.100	1	PG
0805+046	4C 05.34,OJ 008	8 5 19.2	4 41 20.5	HB89	2.877		
0805+047	KP 2	8 5 29.0	4 45 31.0	HB89	2.06	1	
0809+483	3CR 196,4C 48.22,CTA 45,OJ 417,DA 2	8 9 59.4	48 22 7.7	HB89	.871		3CR
0824+110	MC 5	8 24 22.4	11 2 19.4	HB89	2.278		
0827+243	OJ 248,AO,B2	8 27 54.4	24 21 7.7	HB89	.939		
0833+654	3CR 204,4C 65.09,NRAO 297	8 33 18.0	65 24 4.4	HB89	1.112		3CR
0834-201	PKS	8 34 24.6	-20 6 30.1	HB89	2.752		
0834+654		8 34 25.4	65 29 21.0	ANDP	2.2	1	
0835+580	3CR 205,4C 58.16,OJ 558,NRAO 298,DA	8 35 10.0	58 4 51.8	HB89	1.534		3CR
0835+583		8 35 32.0	58 19 8.0	ANDP	3.00	1	
0836+654		8 36 37.5	65 24 1.0	HB89	1.9	1	
0837-120	3C 206,PKS,NRAO 299,OJ-162	8 37 28.0	-12 3 54.2	HB89	.198		
0838+133A	3CR 207,4C 13.38,PKS,OJ 163	8 38 1.7	13 23 5.6	HB89	.684		3CR
0838+770	VII ZW 244	8 38 32.0	77 3 59.0	SG83	.131	1	PG
0838+131		8 38 48.4	13 10 0.0	HB89	1.88	1	
0838+133B		8 38 50.5	13 19 42.0	HB89	1.80	1	
0843+161		8 43 2.0	16 8 39.7	HB89	.863	1	
0843+349		8 43 50.6	34 59 27.2	HB89	1.575		
0844+349	PG	8 44 33.9	34 56 9.0	SG83	.064	1,4	
0848+155	LB 8755,OJ 180	8 48 4.5	15 33 31.4	HB89	2.009	1	
0848+163	LB 8775	8 48 53.7	16 23 40.0	VV87	1.932	1	
0850+140	3CR 208,4C 14.28,PKS,OJ 184	8 50 22.8	14 3 58.3	HB89	1 .11		3CR
0855+188	LB 8991	8 55 40.2	18 48 48.4	HB89	1.013	1	
0859-140	PKS,OJ-199,MSH 09-11	8 59 55.0	-14 3 38.9	HB89	1.327		
0903+169	3CR 215,4C 16.26,PKS,LB 9308	9 3 44.2	16 58 15.7	HB89	.411		3CR
0906+430	3CR 216,4C 43.17,NRAO 317,OK 410,DA	9 6 17.3	43 5 59.0	HB89	.67		
0906+015	PKS,4C 01.24,DA 263,OK 011	9 6 35.2	1 33 48.2	HB89	1.018		
0906+484	PG	9 6 45.3	48 25 55.8	HB89	.118	1	
0910+403	NGC2782 U1	9 10 54.0	40 19 18.0	VV87	.936	1	
0915+165	Mkn 704	9 15 39.4	16 30 59.0	VV87	.029	1	
0923+201	PG,TON 1057	9 23 5.8	20 7 7.0	HB89	.190	1	PG

TABLE 1—*Continued*

Name	Other Names	R.A. (B1950)	Dec.	Ref	Z	Note	Sample
0923+129	Mkn 705	9 23 20.2	12 57 6.0	SG83	.029	1	PG
0923+392	4C 39.25,DA 267,OK 340,B2	9 23 55.3	39 15 23.5	HB89	.699		
0927+217	W3	9 27 53.1	21 42 31.7	HB89	2.00	1	
0934+013		9 34 26.5	1 19 11.0	SG83	.050	1	PG
0937+391	4C 39.27,OK 362,B2	9 37 59.2	39 7 30.0	HB89	.618		
0938+117A		9 38 13.9	11 45 32.0	HB89	2.30	1	
0938+120A		9 38 14.7	12 5 45.0	HB89	2.00	1	
0938+120B		9 38 23.9	12 5 58.0	HB89	2.4	1	
0938+117B		9 38 50.8	11 42 54.0	HB89	2.2	1	
0939+121		9 39 14.5	12 7 24.0	HB89	1.80	1	
0939+117		9 39 17.2	11 46 2.0	HB89	1.9	1	
0945+076	3C 227.0	9 45 6.5	7 39 17.0	VV87	.086	1	
0953+254	OK 290,VR25.09.08,B,GC	9 53 59.7	25 29 33.5	HB89	.712		
0955+326	TON 469,3C 232,4C 32.33,NRAO 342,OK	9 55 25.4	32 38 23.0	HB89	.533		
0958+290	3C 234.0	9 58 57.4	29 1 38.0	VV87	.185	1	
0959-443	PKS	9 59 58.9	-44 23 25.1	HB89	.837		
1001+054	PG	10 1 43.3	5 27 34.8	HB89	.161	1	PG
1004-217	PKS	10 4 25.4	-21 44 44.0	HB89	.331		
1004+130	PKS,4C 13.41,OL 107.7	10 4 45.1	13 3 37.1	HB89	.241	1	PG
1008+133	PG	10 8 30.0	13 19 2.0	GSL86	1.277	1	PG
1011+250	TON 490,B2,GC	10 11 5.7	25 4 11.0	HB89	1.631	1	
1011-282	PKS,OL-219	10 11 12.2	-28 16 31.9	HB89	.253		
1011-040	PG	10 11 49.2	-4 3 43.0	SG83	.058	1	PG
1017+203		10 17 54.5	20 19 21.0	ANDP	2.1	1	
1020-103	OL-133,MSH 10-17,PKS	10 20 4.2	-10 22 33.6	HB89	.197		
1020+201	NGC 3227	10 20 46.8	20 7 8.0	VV87	.003	1	
1028+313	B2,OL 347	10 28 9.8	31 18 20.6	HB89	.177		
1028+290	TON 524A	10 28 46.4	29 2 27.0	VV87	.060	1	
1038+064	4C 06.41,OL 064.5,OTL	10 38 40.9	6 25 58.6	HB89	1.27		
1040+123	3CR 245,4C 12.37,PKS,OL 166.6	10 40 6.1	12 19 15.1	HB89	1.029		3CR
1048-090	PKS,3C 246,NRAO 359,OL-082	10 48 59.4	-9 2 13.6	HB89	.344	1	PG
1050-184	PKS	10 50 6.9	-18 29 21.0	HB89	.544		
1054-034		10 54 10.3	-3 24 38.7	HB89	2.115	1	
1058+726	W1,4C 72.16,S5	10 58 20.0	72 41 44.7	HB89	.375		
1100+772	3CR 249.1,4C 77.09,NRAO 363,NB 77.1	11 0 27.4	77 15 8.6	HB89	.311	1	PG,3CR
1100-264		11 0 59.9	-26 29 4.9	HB89	2.145	1	
1103+728	NGC 3516	11 3 22.8	72 50 20.0	VV87	.009	1	
1111+408	3CR 254,4C 40.28,VR40.11.01,NRAO 36	11 11 53.3	40 53 41.2	HB89	.734		3CR
1113+182		11 13 41.9	18 12 53.0	HB89	1.9	1	
1114+183		11 14 46.6	18 19 42.0	HB89	1.9	1	
1115+080	PG	11 15 41.5	8 2 24.0	HB89	1.718	1	PG
1116+215	PG,TON 1388	11 16 30.1	21 35 43.0	HB89	.177	1	PG
1119+120	Mkn 734	11 19 11.0	12 0 46.0	SG83	.049	1	PG
1122+546	Mkn 40	11 22 47.8	54 39 26.0	VV87	.020	1	
1123+434	W1	11 23 49.4	43 26 7.4	HB89	2.014		
1126-041	Mkn 1298	11 26 43.6	-4 7 35.0	SG83	.060	1	PG
1127-145	PKS,DW,OM-146	11 27 35.7	-14 32 54.7	HB89	1.187		
1128+315	B2,PB 2843,LB 10236,TON 580	11 28 30.3	31 30 39.9	HB89	.289	1	
1136-374	NGC 3783	11 36 33.0	-37 27 41.0	VV87	.009	1	
1137+660	3CR 263,4C 66.13,NRAO 381,DA 305	11 37 9.3	66 4 26.9	HB89	.646		3CR
1146-037	PKS	11 46 22.4	-3 47 29.1	HB89	.341		
1155+557	NGC 3998	11 55 20.9	55 43 55.0	VV87	.004	1	
1157+014	PKS	11 57 11.0	1 28 49.4	HB89	1.986		
1157+532	W2	11 57 37.3	53 17 28.4	HB89	1.997		
1202+281	GQ COMAE,PG	12 2 8.9	28 10 53.4	HB89	.165	1	PG
1206-399	PKS	12 6 59.6	-39 59 30.6	HB89	.966		
1207+398		12 7 11.6	39 53 23.0	HB89	2.334	1	
1208+396	NGC 4151	12 8 1.0	39 41 2.0	VV87	.003	1	
1208+322	B2,ON 313	12 8 5.4	32 13 48.8	HB89	.388	1	

TABLE 1—*Continued*

Name	Other Names	R.A. (B1950)			Dec.			Ref	Z	Note	Sample
1208+398		12	8	39.9	39	50	2.0	ANDP	1.5	1	
1209+107A	KP 9	12	9	8.4	10	46	58.1	HB89	2.191	1	
1209+107B	KP 10	12	9	12.2	10	42	23.0	HB89	1.9	1	
1209+109	KP 11	12	9	56.7	10	58	4.1	HB89	2.1	1	
1211+143	PG	12	11	44.8	14	19	53.0	SG83	.085	1	PG
1214+074	NGC 4235	12	14	36.7	7	28	9.0	VV87	.007	1	
1215+300	Mkn 766	12	15	55.6	30	5	26.0	VV87	.012	1	
1216+069	PG	12	16	47.2	6	55	19.0	HB89	.334	1	PG
1217+023	PKS,ON 029,UM 492	12	17	38.4	2	20	20.9	HB89	.24		
1218+339	3CR 270.1,4C 33.29,NRAO 396,ON 330	12	18	3.9	33	59	50.1	HB89	1.519	1	
1219+755	Mkn 205	12	19	33.5	75	35	14.6	HB89	.070	1	
1219+044	PKS	12	19	48.4	4	29	59.0	HB89	.965		
1221+758	W1	12	21	21.3	75	53	6.1	HB89	1.632		
1222+226		12	22	47.2	22	37	4.0	VV87	2.29	1	
1222+228B	KP 13	12	22	52.9	22	48	4.0	HB89	1.87	1	
1222+228A	TON 1530,PG	12	22	56.6	22	51	49.0	VV87	2.051	1	PG
1223+252	TON 616,4C 25.40,VR25.12.02,ON 239	12	23	9.1	25	15	11.9	HB89	.268		
1223+227	KP 14	12	23	56.2	22	45	0.0	HB89	1.93	1	
1225+317	B2	12	25	55.9	31	45	12.6	HB89	2.219		
1226+023	3CR 273,4C 02.32,NRAO 400,ON 044,DA	12	26	33.2	2	19	43.2	HB89	.158	1	PG,3CR
1228+078	KP 16	12	28	2.4	7	50	21.8	HB89	1.813	1	
1228+076	KP 17	12	28	35.3	7	41	12.1	HB89	1.878	1	
1228+077	KP 18	12	28	47.9	7	42	31.0	HB89	2.391	1	
1229+078A	1229.0+07.8	12	29	3.2	7	51	15.0	VV87	1.93	1	
1229+116		12	29	12.4	11	37	48.0	HB89	1.80	1	
1229-021	PKS,4C-02.55,ON-049	12	29	25.9	-2	7	32.5	HB89	1.038		
1229+204	TON 1542,Mkn 771 AGN,AKN 374	12	29	33.1	20	26	2.7	HB89	.064	1	PG
1229+078B	KP 20	12	29	37.7	7	50	17.2	HB89	1.51	1	
1229+077	KP 21	12	29	49.5	7	47	8.0	VV87	2.76	1	
1230+120		12	30	11.0	12	2	59.0	HB89	1.90	1	
1235+264	WEE 73	12	35	25.1	26	27	30.0	HB89	2.50	1	
1237-101	ON-162,PKS	12	37	7.3	-10	7	0.4	HB89	.753		
1241+166	3CR 275.1,4C 16.34,PKS,ON 169	12	41	27.6	16	39	18.0	HB89	.557	1	
1241+176	PG	12	41	41.0	17	37	29.0	HB89	1.273	1	PG
1243+346	KP 22	12	43	45.3	34	37	25.0	HB89	2.29	1	
1244+026	PG	12	44	2.1	2	38	31.0	SG83	.048	1	PG
1244+345	KP 23	12	44	5.3	34	33	5.0	HB89	1.96	1	
1244+346A	KP 24	12	44	8.8	34	41	3.8	HB89	1.9	1	
1244+346B	KP 25	12	44	14.5	34	40	54.8	HB89	2.3	1	
1244+347	KP 26	12	44	57.3	34	43	54.1	HB89	2.48	1	
1245+345	B 19,AB 7	12	45	3.2	34	31	31.4	HB89	2.065	1	
1245+343	KP 27	12	45	20.4	34	18	27.0	HB89	1.82	1	
1245+342	KP 28	12	45	39.3	34	16	34.0	HB89	2.07	1	
1246+344	KP 29	12	46	5.6	34	29	0.0	HB89	2.23	1	
1246+377	BSO 1,AB 9	12	46	28.7	37	46	49.7	HB89	1.242	1	
1246+346	KP 30,B46	12	46	29.6	34	40	49.3	HB89	.271	1	
1246-057		12	46	38.8	-5	42	58.3	HB89	2.236	1	
1250+568	3CR 277.1,4C 56.20,NRAO 409,ON 584	12	50	15.3	56	50	36.5	HB89	.321		3CR
1252+119	PKS,ON 187,MC 2	12	52	7.7	11	57	21.1	HB89	.871		
1253+359	BF 8	12	53	32.1	35	56	42.0	HB89	2.09	1	BF
1253-055	3C 279,4C-05.55,ON-089,NRAO 413,CTA	12	53	35.9	-5	31	8.4	HB89	.538		
1253+358	BF 12	12	53	38.6	35	48	43.0	HB89	.74	1	BF
1253+361	BF 16	12	53	49.4	36	7	14.0	HB89	.69	1	BF
1253+360	BF 17	12	53	49.8	36	5	45.0	HB89	1.37	1	BF
1254+571	Mkn 231	12	54	5.0	57	8	38.0	VV87	.041	1	
1254+047	PG,PB 4381	12	54	27.6	4	43	47.0	HB89	1.024	1	PG
1254+356A	BF 36	12	54	47.4	35	38	35.0	VV87	1.35	1	BF
1254+360	BF 46	12	54	56.2	36	5	37.0	HB89	1.50	1	BF
1255+359	BF 51	12	55	8.3	35	59	32.0	HB89	.53	1	BF

TABLE 1—*Continued*

Name	Other Names	R.A. (B1950)	Dec.	Ref	Z	Note	Sample
1256+357	B 194,BF 71	12 56 7.9	35 44 52.0	VV87	1.864	1	BF
1256+355	BF 72	12 56 10.9	35 32 18.0	HB89	1.75	1	BF
1257+361	BF 92	12 57 6.1	36 7 29.0	HB89	.82	1	BF
1257+359	BF 105	12 57 33.9	35 55 53.0	HB89	.324	1	BF
1257+356	BF112	12 57 53.7	35 38 57.0	HB89	1.79	1	BF
1258+287	5C4.105,A2 316,PB 3207,US 122	12 58 4.3	28 46 17.0	HB89	.648		
1258+286A	W 61972,A2 327,PB 3214,US 130	12 58 23.8	28 39 28.0	HB89	1.922	1	
1258+356	B 196,AB 86,BF 141	12 58 41.7	35 38 44.0	HB89	.324	1,2	BF
1258+343	B 471,AB 87	12 58 49.5	34 22 38.1	HB89	.774	1	
1258+286B	5C4.127	12 58 56.1	28 37 42.7	HB89	1.373		
1258+342	KP 33	12 58 59.6	34 16 32.0	HB89	1.93	1	
1259+357	BF 161	12 59 25.6	35 46 38.0	HB89	2.04	1	BF
1259+344A	BSO 6,B 243,AB 90	12 59 30.9	34 27 8.8	HB89	1.956	1	
1259+361	BF 164	12 59 32.5	36 10 12.0	HB89	.69	1	BF
1259+359	BF 166	12 59 39.1	35 55 50.0	HB89	1.23	1	BF
1259+344B	KP 35	12 59 44.2	34 25 46.0	HB89	2.82	1	
1259+360	BF 170	12 59 47.7	36 3 23.0	VV87	1.76	1	BF
1300+360	BF 175	13 0 0.0	36 4 53.0	HB89	.68	1	BF
1300-243		13 0 36.7	-24 18 55.6	HB89	2.259	1	
1301+359	BF 216	13 1 29.4	35 54 24.0	HB89	1.47	1	BF
1301+361	BF 219	13 1 38.4	36 8 30.0	VV87	1.71	1	BF
1301+358A	B 286,AB 109,BF 222	13 1 42.0	35 49 21.5	HB89	.327	1	BF
1301+358B	BF 225	13 1 49.8	35 52 56.0	HB89	.91	1	BF
1301+356	BF 227	13 1 56.5	35 41 53.0	HB89	2.04	1	BF
1302+358	BF 230	13 2 4.3	35 49 30.0	HB89	1.99	1	BF
1302+357	B 288,AB 115,BF 237	13 2 17.1	35 45 11.4	HB89	1.275	1,2	BF
1302-102	PKS,OP-106,PG	13 2 55.8	-10 17 16.7	HB89	.286	1	PG
1303+355	BF 262	13 3 10.3	35 33 16.0	VV87	.97	1	BF
1303+357A	BF 263	13 3 11.9	35 44 5.0	HB89	1.62	1	BF
1303+362	BF 264	13 3 16.1	36 14 32.0	HB89	1.35	1	BF
1303+358	BF 270	13 3 28.6	35 48 58.0	HB89	.378	1,2	BF
1303+360	BF 281	13 3 44.1	36 0 1.0	HB89	2.43	1	BF
1304+310	US 272	13 4 12.1	31 5 29.0	HB89	.422	1	
1304+346	B 340,Mkn 64,AB 133	13 4 48.0	34 40 24.2	HB89	.189	1	
1307+085	PG	13 7 16.2	8 35 47.0	HB89	.155	1	PG
1309-056		13 9 0.7	-5 36 43.4	HB89	2.224	1	
1310-108	II SZ 10	13 10 28.0	-10 51 48.0	SG83	.035	1	PG
1311+362	BSO 11,B 416,AB 168	13 11 19.5	36 15 40.7	HB89	2.084	1	
1316+179		13 16 58.4	17 58 22.0	ANDP	1.3	1	
1318+290A	TON 155,PB 3520	13 18 53.7	29 3 30.3	HB89	1.703	1	
1321+294	TON 157	13 21 0.0	29 25 45.0	VV87	.960	1	
1328+254	3CR 287,4C 25.43,NRAO 424,OP 247,DA	13 28 15.9	25 24 37.4	HB89	1.055		3CR
1328+307	3CR 286,4C 30.26,NRAO 425,OP 348,DA	13 28 49.7	30 45 58.6	HB89	.849		3CR
1330+022	3C 287.1	13 30 20.5	2 16 8.0	VV87	.215	1	
1331+170	MC 3,PB 3977,OP 151	13 31 10.1	17 4 25.0	HB89	2.081		
1332+552	4C 55.27,OP 554,LB 685	13 32 15.8	55 16 45.6	HB89	1.249		
1333+176	PG,PB 4007	13 33 36.7	17 40 31.0	HB89	.554	1	PG
1333+286	RS 23	13 33 54.2	28 40 15.9	HB89	1.908	1	
1335-127	PK	13 35 0.0	-12 42 9.0	VV87	.541	1	
1340+606	3CR 288.1,4C 60.18,OP 668,NRAO 428	13 40 30.0	60 36 47.9	HB89	.961		3CR
1346-036		13 46 8.2	-3 38 30.5	HB89	2.344	1	
1351+640	PG	13 51 46.3	64 0 28.4	HB89	.088	1	PG
1351+695	Mkn 279	13 51 53.6	69 33 13.0	VV87	.031	1	
1352+183	PG,PB 4142	13 52 11.5	18 20 58.0	HB89	.152	1	PG
1352+011	PG	13 52 25.8	1 6 50.0	GSL86	1.117	1	PG
1354-152	PKS,OP-192	13 54 28.6	-15 12 52.1	HB89	1.89		
1355-416	PKS,MSH 13-45	13 55 56.8	-41 38 16.7	HB89	.313		
1358+043	PG	13 58 0.6	4 19 27.4	HB89	.427	1	
1402-012	PKS,UM 632	14 2 11.3	-1 16 1.9	HB89	2.518		

TABLE 1—*Continued*

Name	Other Names	R.A. (B1950)	Dec.	Ref	Z	Note	Sample
1402+044	PKS	14 2 30.0	4 29 55.2	HB89	3.202		
1402+261	PG	14 2 58.8	26 9 59.0	HB89	.164	1	PG
1404+226	PG	14 4 2.8	22 37 59.0	SG83	.098	1	PG
1407+265	PG	14 7 7.7	26 32 30.0	HB89	.944	1	PG
1407+524		14 7 57.5	52 24 41.0	ANDP	2.1	1	
1408+523		14 8 42.0	52 18 10.0	ANDP	2.2	1	
1414+091		14 14 35.4	9 11 60.0	HB89	2.35	1	
1414+252		14 14 49.7	25 13 34.0	HB89	1.83	1	
1415+254		14 15 8.3	25 28 45.0	HB89	2.31	1	
1416-129	PG	14 16 21.3	-12 56 58.0	SG83	.129	1	PG
1416+067	3CR 298,4C 06.49,PKS,OQ 027.7	14 16 38.8	6 42 20.9	HB89	1.436		3CR
1417-192	PKS 1417-19	14 17 2.6	-19 14 42.0	VV87	.119	1	
1422+202	4C 20.33,PKS,OQ 235,DA 367	14 22 37.6	20 13 57.4	HB89	.871		
1425+267	TON 202,B2,OQ 242,PB 3638	14 25 21.9	26 45 38.8	HB89	.362	1	PG
1426+015	Mkn 1383	14 26 33.8	1 30 27.0	SG83	.086	1	PG
1427+109	PK	14 27 43.8	10 56 46.0	VV87	1.71	1	
1433+488	Mkn 474	14 33 6.1	48 52 47.0	VV87	.041	1	
1435+638	S4	14 35 37.2	63 49 36.0	VV87	2.060		
1435-067	PG	14 35 37.5	-6 45 22.0	HB89	.129	1	PG
1441+522	3C 303C,4C 52.33	14 41 22.7	52 14 18.2	HB89	1.57		
1442+101	OQ 172,MC 2	14 42 50.5	10 11 12.2	HB89	3.54		
1443+101		14 43 9.2	10 7 5.0	HB89	1.005	1	
1448-232	PKS,OQ-279	14 48 9.2	-23 17 10.7	HB89	2.215		
1451-375	PKS	14 51 18.2	-37 35 22.9	HB89	.314		
1458+718	3CR 309.1,4C 71.15,PKS	14 58 56.7	71 52 11.3	HB89	.905		3CR
1501+106	Mkn 841	15 1 36.4	10 37 57.0	SG83	.036	1	PG
1502+106	MC 2,OR 103,PKS,4C 10.39	15 2 0.1	10 41 17.3	HB89	1.839		
1504-166	MC,OR-102,PKS	15 4 16.4	-16 40 58.6	HB89	.876		
1505+218	LB 9436	15 5 12.3	21 53 34.2	HB89	2.13	1	
1510-089	PKS,OR-017	15 10 8.9	-8 54 47.2	HB89	.361		
1512+370	4C 37.43,OR 321,B2,PG	15 12 46.9	37 1 55.2	HB89	.371	1	
1517+239	LB 9612	15 17 8.2	23 56 52.0	VV87	1.901	1	
1518+202		15 18 25.9	20 17 33.0	HB89	2.10	1	
1519+226	PG	15 19 1.7	22 38 27.0	HB89	.137	1	PG
1522+155	MC 3	15 22 22.2	15 31 52.0	HB89	.628		
1523+214	LB 9707	15 23 8.8	21 24 36.3	HB89	1.924	1	
1524-136	MC,PKS	15 24 12.9	-13 40 34.9	HB89	1.687		
1525+227	LB 9743,OR 241,B2	15 25 45.7	22 43 25.3	HB89	.253	1	
1531+359		15 31 45.2	35 54 21.0	VV87	.156	1	
1534+580	Mkn 290	15 34 44.8	58 4 0.0	VV87	.029	1	
1545+210	3CR 323.1,4C 21.45,NRAO 483,OR 276	15 45 31.1	21 1 27.5	HB89	.264	1	PG,3CR
1546+027	PKS,OR 078	15 46 58.3	2 46 6.4	HB89	.413		
1548+116	KP 62	15 48 20.1	11 36 15.0	HB89	1.29	1	
1548+114A	MC 2,4C 11.50,OR 181A	15 48 21.2	11 29 47.0	HB89	.436		
1552+085	PG	15 52 19.2	8 31 6.0	HB89	.119	1	PG
1552+193	Mkn 291	15 52 54.1	19 20 16.0	VV87	.035	1	
1555+001	PKS,DW	15 55 17.7	0 6 44.0	HB89	1.77		
1556+335	GC	15 56 59.4	33 31 47.4	HB89	1.646		
1559+088		15 59 57.8	8 53 53.0	HB89	2.269	1	
1601+182	CL 1	16 1 4.2	18 17 17.5	HB89	3.238	1	
1601+184A		16 1 38.3	18 24 8.0	HB89	2.31	1	
1601+184B	CL 3	16 1 47.0	18 25 34.0	HB89	1.942	1	
1606+289	4C 28.40,VR28.16.01,OS 210,B2	16 6 10.0	28 56 55.7	HB89	1.989		
1611+343	DA 406,OS 319,GV 273,LHE 403	16 11 47.9	34 20 20.2	HB89	1.401		
1612+266	NAB	16 12 7.0	26 40 15.0	HB89	.395	1	
1612+261	TON 256,PG	16 12 8.7	26 11 46.7	HB89	.131	1	PG
1613+658	PG,Mkn 876	16 13 36.3	65 50 38.0	HB89	.129	1	PG
1613+055		16 13 49.9	5 30 16.0	ANDP	2.6	1	
1614+051	PKS	16 14 9.1	5 6 54.9	HB89	3.210		

TABLE 1—*Continued*

Name	Other Names	R.A. (B1950)	Dec.	Ref	Z	Note	Sample
1615+324	3C 332.0	16 15 47.1	32 29 50.0	VV87	.152	1	
1617+175	PG,Mkn 877	16 17 56.9	17 31 34.0	HB89	.114	1	PG
1618+177	3CR 334,4C 17.68,PKS,NRAO 500	16 18 7.3	17 43 30.4	HB89	.555		3CR
1622+268	KP 70	16 22 5.3	26 48 25.0	VV87	2.16	1	
1622+269	KP 71	16 22 24.5	26 56 20.0	HB89	3.16	1	
1622+238	3CR 336,4C 23.43,NRAO 501,OS 328,DA	16 22 32.2	23 52 2.0	HB89	.927		3CR
1623+271	KP 72	16 23 8.6	27 9 59.0	HB89	1.44	1	
1623+269A	4C 26.48,PKS,VR26.16.03,OS 240	16 23 11.5	26 57 13.3	HB89	.779		
1623+270	KP 73	16 23 17.4	27 0 20.0	HB89	2.3	1	
1623+269B	KP 74	16 23 25.4	26 54 41.0	HB89	1.9	1,5	
1623+268A	KP 76	16 23 44.8	26 51 27.0	HB89	2.49	1	
1623+268B	KP 77	16 23 45.4	26 53 54.0	VV87	2.518	1	
1623+268C	KP 78	16 23 54.2	26 51 42.0	HB89	2.605	1	
1624+269	KP 79	16 24 3.1	26 57 33.0	HB89	2.18	1	
1631+627	KP 81	16 31 42.0	62 44 49.0	VV87	1.96	1	
1632+391	4C 39.46,OS 353.8,B2	16 32 19.5	39 6 10.6	HB89	1.082		
1633+630		16 33 0.6	63 4 25.0	VV87	2.15	1	
1633+382	GC,4C 38.41,OS 356,B2	16 33 30.6	38 14 9.5	HB89	1.814		
1634+628	3CR 343,4C 62.26,NRAO 509,DA 416	16 34 1.1	62 51 42.4	HB89	.988		
1634+269	PKS,3C 342,4C 26.49,NRAO 510	16 34 34.2	26 54 10.0	HB89	.561		
1634+706	PG	16 34 51.7	70 37 37.0	HB89	1.334	1	PG
1635+119	MC 2	16 35 25.9	11 55 46.4	HB89	.146		
1635+630		16 35 32.7	63 5 6.0	VV87	1.92	1	
1641+399A	3CR 345,4C 39.48,NRAO 513,OS 368,DA	16 41 17.6	39 54 10.7	HB89	.595		3CR
1641+399B		16 41 30.0	39 56 44.0	HB89	2.0	1	
1655+077	PKS,OS 092	16 55 44.6	7 45 55.0	HB89	.621		
1656+053	PKS,DW,OS 094	16 56 5.7	5 19 46.5	HB89	.887		
1659+294	Mkn 504	16 59 10.4	29 28 44.0	VV87	.036	1	
1703+608		17 3 28.0	60 51 55.0	VV87	1.98	1	
1704+608	3CR 351,4C 60.24,NRAO 522,DA 430,OT	17 4 3.5	60 48 31.1	HB89	.371	1	PG,3CR
1720+246	V396 HER	17 20 37.7	24 39 5.9	HB89	.175	1	
1720+309	Mkn 506	17 20 45.6	30 55 40.0	VV87	.043	1	
1721+343	B2 1721+34	17 21 32.0	34 20 42.0	VV87	.206	1	
1725+044	PKS	17 25 56.4	4 29 27.9	HB89	.296		
1730-130	NRAO 530	17 30 13.4	-13 2 46.2	HB89	.902		
1739+522	4C 51.37,OT 566,GC	17 39 28.8	52 13 10.4	HB89	1.375		
1746+201		17 46 33.3	20 10 58.0	HB89	1.90	1	
1748+687	Mkn 507	17 48 55.8	68 43 5.0	VV87	.053	1	
1756+237	PKS,VR23.17.02,OT 295	17 56 56.5	23 43 55.0	HB89	1.721		
1757+236		17 57 35.5	23 38 18.0	ANDP	2.0	1	
1803+676	Kazaryan,102	18 3 37.4	67 37 53.9	HB89	.136	1	
1821+107	PKS,MC 2	18 21 41.7	10 42 44.4	HB89	1.36		
1828+487	3CR 380,4C 48.46,OU 447,NRAO 565,DA	18 28 13.5	48 42 40.4	HB89	.692		3CR
1833+326	3C 382.0	18 33 12.0	32 39 18.0	VV87	.059	1	
1845+797	3C 390.3	18 45 37.6	79 43 6.0	VV87	.057	1	
1936-155	PKS	19 36 36.1	-15 32 38.8	HB89	1.657		
1939-104	NGC 6814	19 39 55.7	-10 26 34.0	VV87	.005	1	
1958-179	PKS,OV-198	19 58 4.6	-17 57 16.8	HB89	.65		
2037-012		20 37 6.2	-1 12 40.0	ANDP	2.1	1	
2037+511	3CR 418,4C 51.42,NRAO 636	20 37 7.3	51 8 35.0	HB89	1.686		
2037-005		20 37 17.9	0 -35 27.0	ANDP	.60	1	
2038-011		20 38 10.9	-1 9 10.0	HB89	2.26	1	
2112+059A	PG	21 12 23.6	5 55 12.0	HB89	.466	1	PG
2112+059B		21 12 47.5	5 56 10.0	HB89	.398	1	
2120+168	3CR 432,4C 16.72,PKS,OX 134.2	21 20 25.5	16 51 46.4	HB89	1.805		3CR
2121+053	OX 036,PKS,GC	21 21 14.8	5 22 27.0	HB89	1.878		
2125-148		21 25 57.4	-14 51 2.0	HB89	2.30	1	
2126-150A		21 26 1.0	-15 3 2.0	HB89	2.2	1	
2126-158	PKS	21 26 26.7	-15 51 51.5	HB89	3.270		

TABLE 1—*Continued*

Name	Other Names	R.A. (B1950)	Dec.	Ref	Z	Note	Sample
2126-150B		21 26 34.1	-15 2 39.0	HB89	2.1	1	
2128-123	PHL 1598,PKS	21 28 52.7	-12 20 20.1	HB89	.501		
2130+099	II ZW 136,PG	21 30 1.3	9 54 59.0	HB89	.061	1	PG
2134+004	PHL 61,PKS,DA 553,OX 057	21 34 5.3	0 28 25.0	HB89	1.936		
2135-147	PKS,PHL 1657,OX-158,MSH 21-115	21 35 1.2	-14 46 27.3	HB89	.20		
2141+175	PKS,OX 169,MC 3	21 41 13.8	17 30 2.3	HB89	.213		
2141+037		21 41 40.5	3 45 7.0	HB89	1.8	1	
2143+040		21 43 10.8	4 3 59.0	HB89	2.0	1	
2143-156	PKS,OX-173	21 43 38.8	-15 39 36.7	HB89	.701		
2145+067	PKS,4C 06.69,OX 076.1,DA 562	21 45 36.1	6 43 41.2	HB89	.99		
2155+034		21 55 51.2	3 29 33.0	HB89	1.9	1	
2201+315	4C 31.63,GC,B2	22 1 1.5	31 31 6.0	HB89	.297		
2201+171	MC 3,PKS,GC	22 1 2.9	17 11 19.0	HB89	1.075		
2204-408		22 4 33.0	-40 51 35.0	HB89	3.170	1	
2206-474	NGC 7213	22 6 12.0	-47 25 0.0	VV87	.006	1	
2209+184	PG	22 9 30.2	18 27 1.0	SG83	.070	1	PG
2214+139	Mkn 304	22 14 45.2	13 59 27.0	SG83	.067	1	PG
2216-038	PKS,4C-03.79,OY-027,MSH 22-06	22 16 16.4	-3 50 40.3	HB89	.901		
2221-023	3C 445.0	22 21 14.8	-2 21 26.0	VV87	.057	1	
2223-052	3C 446,4C-05.92,PKS,OY-039	22 23 11.1	-5 12 17.4	HB89	1.404		
2223+210	PKS,DA 580,GC	22 23 14.8	21 2 50.0	HB89	1.959		
2225-055	PHL 5200,4C-05.93	22 25 54.0	-5 34 16.6	HB89	1.981	1	
2230+114	CTA 102,4C 11.69,PKS,OY 150	22 30 7.8	11 28 22.8	HB89	1.037		
2232+134		22 32 50.5	13 24 35.0	HB89	1.021	1	
2233+134	PG	22 33 39.8	13 28 21.0	HB89	.325	1	PG
2233+136		22 33 59.4	13 41 39.0	HB89	3.204	1	
2234+282	B2,CTD 135	22 34 1.7	28 13 21.0	HB89	.795		
2251+158	3CR 454.3,4C 15.76,PKS,OY 185	22 51 29.5	15 52 54.6	HB89	.859		3CR
2251+113	PKS,4C 11.72,OY 186	22 51 40.6	11 20 39.6	HB89	.323	1	PG
2253+417	OY 489,GC	22 53 19.8	41 46 53.0	HB89	1.476		
2254+024	PKS,OY 091.3,GC	22 54 44.6	2 27 13.8	HB89	2.09		
2255+416		22 55 5.0	41 38 13.9	BREG	.942	1	
2300+086	NGC 7469	23 0 44.4	8 36 16.0	VV87	.017	1	
2301+223	Mkn 315	23 1 35.7	22 21 16.0	VV87	.040	1	
2305+187	4C 18.68,OZ 108,PKS,NRAO 703	23 5 17.1	18 45 5.4	HB89	.313		
2316-000	NGC 7603	23 16 22.9	0 -1 47.0	VV87	.029	1	
2344+092	PKS,4C 09.74,OZ 073.5,PB 5532	23 44 3.8	9 14 5.5	HB89	.672	1	PG
2345-167	PKS,OZ-176,MC	23 45 27.7	-16 47 52.9	HB89	.576		
2345+184	3C 467	23 45 57.0	18 27 29.0	VV87	.631	1	
2348-014	WEE 180	23 48 54.3	-1 27 42.0	HB89	2.04	1	
2349-014	PG,PKS,PB 5564	23 49 22.3	-1 25 54.0	HB89	.174	1	
2349-015	WEE 183	23 49 42.9	-1 30 0.0	HB89	2.20	1	
2353+072A	Mkn 541	23 53 28.4	7 14 41.0	VV87	.040	1	
2353+072B		23 53 59.0	7 14 7.0	VV87	.342	1	
2357-348		23 57 6.0	-34 52 0.0	VV87	2.070	1	

[a] This table also is published in computer-readable form in the AAS CD-ROM Series, Vol. 2.

NOTES.—(1) Object included in optically selected sample for further analysis. (2) z from Marshall et al. 1984 and differs slightly from HB89. (3) Included in optically selected sample due to independent selection in prism survey (not flagged as "O" or "C" in HB89). (4) Not included in PG "X-ray Sample" since it falls in declination zone generally not observed. (5) Redshift and optical magnitude (see Table 6) from Sramek & Weedman 1980 and differs from HB89 due to transcription error passed through intermediate references.

REFERENCES.—ANDP, Anderson 1990; BREG, Bregman et al. 1985 and references therein; B2, Colla et al. 1970; GSL86, Green, Schmidt, Liebert 1986; HB89, Hewitt & Burbidge 1989 (information extracted from computer tapes and includes all data from Hewitt & Burbidge 1987); SG83, Schmidt & Green 1983; V87, Véron-Cetty & Véron 1987 (information extracted from computer tapes and includes all data in ESO Sci. Rept. No. 5).

TABLE 2

EINSTEIN OBSERVATIONAL DETAILS[a]

Name	Seq	Note	Start Obs	End Obs	Counts	Err	Live Time (s)	Off-axis Angle (arcmin)	Gain
0002-422	4247		31-may-1980	31-may-1980	6.74	5.44	1284.4	1.18	15.20
0003+158	5360		03-jan-1980	16-jun-1980	629.58	26.90	5165.8	0.19	14.11
0007-000	8450		14-dec-1980	14-dec-1980	2.21	4.30	987.7	0.28	13.48
0007+106	10125		19-dec-1980	20-dec-1980	362.33	21.08	4233.2	0.11	13.41
0007+106	2634	1	21-jun-1979	21-jun-1979	577.62	24.39	804.5	0.63	15.35
0007+106	6718		09-jan-1980	16-jun-1980	841.24	29.79	2476.3	0.60	15.53
0007+171	3999		01-jan-1980	01-jan-1980	22.20	6.59	1427.3	0.28	18.00
0009-016	8451		19-jun-1980	20-jun-1980	2.96	8.45	4425.6	0.42	15.12
0013-004	8453	7	20-jun-1980	20-jun-1980	-8.86	14.35	5859.1	0.42	15.29
0014+166	5361		03-jan-1980	03-jan-1980	-0.90	3.32	1517.2	0.00	11.40
0014+318	2718	9	10-jan-1980	11-jan-1980	14.56	6.34	1149.4	1.68	16.39
0014+159	6834	4	01-jan-1980	01-jan-1980	-8.33	12.16	10109.3	8.53	16.05
0014+159	7597	1,4	15-jun-1980	16-jun-1980	5.75	13.81	25202.9	16.55	16.30
0015+155	6834	2,4	01-jan-1980	01-jan-1980	-2.04	13.35	10109.3	26.11	15.58
0016+731	7583		24-aug-1980	24-aug-1980	24.66	7.60	2046.9	0.54	14.33
0017+154	505		07-jan-1979	07-jan-1979	43.24	14.06	8669.4	0.62	21.36
0019+011	5114	7	21-jun-1980	21-jun-1980	-26.67	29.42	4224.2	0.16	15.79
0019+011	8452	1,7	16-jun-1980	16-jun-1980	6.41	12.62	5564.9	0.16	15.80
0026+129	5417		04-jan-1981	04-jan-1981	525.49	23.99	2201.6	0.05	12.60
0026+129	9550		04-jan-1981	04-jan-1981	535.28	24.23	2203.1	0.05	12.74
0026+129	9551		04-jan-1981	04-jan-1981	531.08	24.21	2210.0	0.09	12.80
0026+129	9552		04-jan-1981	04-jan-1981	547.08	24.66	1984.3	0.15	12.93
0026+129	9553		04-jan-1981	04-jan-1981	640.39	26.63	2553.0	0.14	12.99
0026+129	518	1	07-jan-1979	07-jan-1979	471.59	22.52	2747.8	14.31	20.35
0037-018	5393	4,7	19-jun-1980	19-jun-1980	32.68	14.39	9482.5	12.66	14.30
0038-020	5393		19-jun-1980	19-jun-1980	157.10	18.00	9482.5	0.47	14.21
0043+008	4020	6,7	30-jun-1979	30-jun-1979	-103.63	6.01	1624.0	0.13	18.00
0044+030	5362		19-jun-1980	19-jun-1980	15.02	4.45	555.7	0.57	14.51
0049+171	8431		22-jul-1980	22-jul-1980	502.70	22.99	1372.8	0.40	15.00
0049+007	8454	9	20-jun-1980	20-jun-1980	1.75	10.88	6567.1	0.40	15.36
0049+014	8455		20-jun-1980	20-jun-1980	51.19	12.39	7211.1	0.85	15.60
0050+124	2632		20-jul-1979	20-jul-1979	568.31	24.44	1552.2	0.48	14.56
0051+291	5123	7	09-jan-1980	09-jan-1980	145.37	15.98	6858.0	0.09	16.14
0051+146	541	4	07-jan-1979	08-jan-1979	-16.22	9.95	6267.4	9.49	21.90
0052+145	541		07-jan-1979	08-jan-1979	0.68	10.72	6267.4	0.52	22.81
0052+251	5334		10-jan-1980	10-jan-1980	353.99	19.57	1471.7	0.03	16.19
0054+144	5418		19-jul-1980	22-jul-1980	1274.95	37.94	11735.1	0.69	15.14
0054+144	4248	1	02-jul-1979	02-jul-1979	398.61	21.21	3716.5	0.77	17.80
0055+004	8456		19-jun-1980	20-jun-1980	13.76	7.87	3099.3	0.40	15.14
0056-001	3995		30-jun-1979	20-dec-1979	69.19	10.12	2446.0	0.29	18.45
0057+315	2619		11-jan-1980	11-jan-1980	2197.73	47.53	2106.2	0.68	16.02
0058+019	2717		30-jun-1979	30-jun-1979	1.67	2.23	197.6	0.00	18.18
0100+130	2009		27-jun-1979	27-jun-1979	4.99	5.35	1890.9	0.66	15.60
0106+013	2011		21-jun-1980	21-jun-1980	60.77	9.65	2836.8	9.70	15.00
0109+022	8458	7	14-jul-1980	15-jul-1980	13.44	10.89	5852.7	0.23	15.34
0112-017	5394		18-jan-1980	20-jan-1980	338.77	23.22	13968.4	0.10	16.67
0115-011	8459	6,7	13-jul-1980	13-jul-1980	-80.22	10.79	6858.1	0.26	15.40
0117+213	5354		11-jan-1980	11-jan-1980	26.22	10.97	1330.3	0.14	16.40
0119+041	3254	9	30-jun-1979	30-jun-1979	14.50	5.00	633.0	0.25	18.00
0119-013	2633		28-jun-1979	28-jun-1979	150.79	13.65	2454.5	0.75	17.00
0119-046	5124	7	16-jan-1980	16-jan-1980	32.88	13.23	1303.8	0.63	15.80
0119+229	8427		27-jul-1980	27-jul-1980	4.70	5.21	1798.4	0.04	15.00
0121-590	523		25-nov-1979	25-nov-1979	5532.36	78.05	2566.4	0.28	12.41
0122-380	4003	4	09-jul-1979	09-jul-1979	2.51	4.66	1039.2	1.15	13.60
0126+030	8460	7	14-jul-1980	14-jul-1980	-12.52	11.71	6584.3	0.69	15.20
0128+074	8332		15-jul-1980	15-jul-1980	4.50	5.70	2451.6	0.38	15.00
0130+033	4249		30-jun-1979	02-jul-1979	87.44	11.65	3100.7	1.80	18.41
0130-403	2578	2	11-jul-1979	13-jul-1979	36.65	26.62	28587.0	30.00	16.11
0130-406	2578		11-jul-1979	13-jul-1979	-10.76	20.07	28587.0	13.68	18.06
0131-404A	2578	3,9	11-jul-1979	13-jul-1979	22.40	19.76	28587.0	24.67	16.21
0131+037	4249	2,4	30-jun-1979	02-jul-1979	52.94	9.22	3100.7	22.32	17.64
0131-409B	2578		11-jul-1979	13-jul-1979	127.42	23.91	28587.0	9.79	17.10
0131-409A	2578	7	11-jul-1979	13-jul-1979	-8.70	23.44	28587.0	11.60	16.79
0132-408	2578		11-jul-1979	13-jul-1979	-11.02	17.74	28587.0	17.71	16.47
0133+207	5419		29-jul-1980	30-jul-1980	1263.89	37.93	13009.7	0.21	15.12
0133+207	482	1	12-jan-1979	12-jan-1979	225.99	16.14	1754.1	0.05	25.60
0133+207	540		12-jan-1979	12-jan-1979	340.36	19.54	2427.8	0.11	25.64
0134+033	513		18-jan-1980	19-jan-1980	2.60	12.22	8868.5	2.52	16.60
0134+329	480		25-jul-1980	25-jul-1980	748.86	29.52	7035.8	0.23	15.00
0135-247	3996		19-dec-1979	17-jan-1980	150.20	14.68	3663.2	0.10	17.38
0137+060	4250	9	23-jul-1979	23-jul-1979	29.69	10.81	6389.2	1.25	18.40
0137-010	4251		01-jul-1979	02-jul-1979	112.05	12.57	3115.3	0.61	17.85
0140-306	3719	6,7	26-jan-1981	27-jan-1981	-204.16	13.98	9305.8	0.03	17.81
0143-015	3718	9	20-jul-1979	20-jul-1979	7.12	7.75	5826.4	0.48	15.10
0143-010	3714		21-jul-1979	21-jul-1979	-3.92	14.27	5725.2	0.66	16.93
0145+042	5115	7	17-jan-1980	17-jan-1980	-3.66	7.64	3283.5	0.15	16.09
0146+017	3727		23-jul-1979	23-jul-1979	-6.72	9.71	7490.8	11.01	18.45
0149-397	4021	7	27-jun-1980	27-jun-1980	41.03	15.78	11875.2	0.17	15.70
0151+045	8333		12-jul-1980	14-jul-1980	41.67	9.13	3506.5	0.45	15.20
0157+001	5335	7	21-jan-1980	21-jan-1980	55.89	8.75	1135.5	0.31	16.40
0159+036	8461	9,10	13-jul-1980	13-jul-1980	9.91	8.02	3260.9	0.20	15.45
0203+151A	7614	4,9	19-jul-1980	20-jul-1980	3.81	15.98	23188.7	16.47	14.64
0203+151B	7614	4,9	19-jul-1980	20-jul-1980	22.22	20.88	23188.7	11.40	15.27
0203+150	7614	4	19-jul-1980	20-jul-1980	69.74	19.70	23188.7	7.78	14.68
0203+152	7614	4,7	19-jul-1980	20-jul-1980	17.48	18.91	23188.7	13.11	15.33
0205+024	3978		20-jul-1979	20-jul-1979	1342.64	38.69	7608.2	0.20	13.75
0205-379	5388	9	21-jan-1980	22-jan-1980	12.88	9.46	4277.4	0.36	16.34
0205+150	7614	2,4	19-jul-1980	20-jul-1980	-34.61	13.19	23188.7	22.97	14.40
0207-003	8462		12-jul-1980	13-jul-1980	-5.35	7.19	3629.2	0.00	15.26
0207-398	4253		16-jun-1979	16-jun-1979	48.66	11.98	5931.5	0.57	16.78
0210+860	562	1	25-feb-1979	25-feb-1979	27.90	7.66	1797.3	1.03	12.80
0210+860	2682		29-mar-1979	29-mar-1979	8.01	5.64	1508.6	0.07	17.87
0212-009	4470		20-jul-1979	21-jul-1979	1058.68	33.34	2676.5	0.90	15.60
0212+735	7584		13-mar-1980	13-mar-1980	192.17	15.09	2967.9	0.15	16.40
0219+428	2709	9	04-feb-1979	04-feb-1979	14.48	4.83	342.3	0.22	12.40
0225+310	6705		24-jul-1980	24-jul-1980	760.81	28.31	2447.1	0.45	15.20
0225-014	5118	9	17-jan-1980	17-jan-1980	20.98	10.86	6421.2	0.55	16.48
0226-038	4022		22-jul-1979	22-jul-1979	24.73	6.27	1106.6	0.23	17.40
0229+131	3257		23-jul-1979	23-jul-1979	40.50	8.15	2193.5	0.38	17.80
0229+341	5142		24-jul-1980	24-jul-1980	3.48	10.49	6119.3	0.09	15.06
0232-090	3143		20-jul-1979	21-jul-1979	1735.47	42.48	3302.8	0.28	16.20
0234+285	3258		31-jul-1979	14-feb-1980	44.37	8.65	1549.5	0.19	16.70
0237-027	3259		21-jul-1979	21-jul-1979	33.92	7.77	1861.3	0.39	17.00
0237+040	7185		04-aug-1980	04-aug-1980	50.13	9.22	2884.4	4.36	13.99
0237-233	2013	1,2	24-jan-1979	24-jan-1979	171.02	16.23	6825.8	24.77	14.75
0237-233	2705		02-feb-1979	02-feb-1979	75.22	10.01	1661.2	0.60	15.21
0237-233	2014		13-jul-1979	14-jul-1979	276.76	19.65	5215.8	0.23	17.20
0238+069	3466		22-jul-1979	01-aug-1979	868.29	30.62	5346.4	0.74	16.05
0242-410	4033		23-jan-1980	24-jan-1980	-25.79	19.40	19659.5	0.38	16.34
0246+190	2661		14-feb-1980	14-feb-1980	48.71	9.14	1907.7	0.91	16.42
0254-404	5389		22-jan-1980	05-feb-1980	0.83	3.05	408.2	0.59	16.20
0306+169	7790	2,4	29-jul-1980	29-jul-1980	30.54	18.10	12799.1	15.39	14.60

TABLE 2—*Continued*

Name	Seq	Note	Start Obs	End Obs	Counts	Err	Live Time (s)	Off-axis Angle (arcmin)	Gain
0307+169	1929	1,9,10	02-aug-1979	02-aug-1979	8.27	4.77	1851.9	1.38	12.20
0307+169	1930		15-aug-1979	15-aug-1979	3.88	2.58	292.0	1.38	19.60
0312-770	5401		08-nov-1979	08-nov-1979	257.51	18.17	2119.9	0.13	18.40
0333+321	3886		21-feb-1980	21-feb-1980	387.83	20.32	2127.4	0.12	16.20
0336-019	7162	1	05-aug-1980	05-aug-1980	39.85	8.41	2249.0	0.29	15.18
0336-019	3261	9	14-aug-1979	14-aug-1979	14.73	6.34	1659.9	0.33	16.98
0340+048	5116		01-aug-1980	01-aug-1980	216.47	17.49	8200.4	0.51	15.00
0400+258	3994	1	21-feb-1980	21-feb-1980	5.80	6.10	2282.9	0.04	16.41
0400+258	7164		06-feb-1981	06-feb-1981	-7.64	5.46	1978.4	0.04	17.40
0403-132	9528		16-aug-1980	16-aug-1980	77.72	10.41	1780.2	0.22	15.01
0403-132	7629	1	15-aug-1980	15-aug-1980	94.20	11.11	1611.8	0.40	15.01
0405-123	3907		07-aug-1980	07-aug-1980	230.92	16.01	1202.3	0.33	14.00
0405-123	3906	1	07-feb-1980	07-feb-1980	296.44	18.42	1735.6	0.10	16.61
0409+229	8978	9	31-jan-1981	01-feb-1981	26.26	10.21	5047.7	0.09	17.98
0410+110	1935	1	07-mar-1979	07-mar-1979	81.94	9.89	1107.7	1.68	16.20
0410+110	1936		13-aug-1979	13-aug-1979	94.82	10.60	1104.8	1.93	16.80
0414-060	521		25-feb-1979	25-feb-1979	242.92	17.93	4083.8	0.12	14.57
0415+379	2669		14-feb-1980	14-feb-1980	411.30	20.88	1412.1	0.29	16.73
0418-550	1938		29-jul-1979	29-jul-1979	471.93	23.02	2529.0	1.11	16.00
0418-550	1937	1	20-sep-1979	21-sep-1979	752.50	28.40	2603.1	1.19	17.20
0420-388	3721	1	08-mar-1979	09-mar-1979	301.75	25.19	20716.1	0.72	16.95
0420-388	4008	9	26-aug-1979	26-aug-1979	7.06	4.21	687.3	0.53	18.40
0420-014	2016		06-mar-1980	06-mar-1980	31.82	6.38	514.6	0.44	16.34
0420-014	2015	1	14-aug-1979	14-aug-1979	201.85	15.49	2255.6	0.29	17.51
0424-131	4029		30-aug-1979	07-feb-1980	51.41	16.12	11107.5	0.33	16.35
0430+052	351		15-aug-1979	30-aug-1979	18545.07	138.31	30293.9	0.57	14.96
0430+052	350		08-mar-1979	09-mar-1979	15444.70	125.54	14157.4	0.32	16.76
0430+052	1939	1	15-aug-1979	15-aug-1979	543.41	23.61	831.1	0.64	18.60
0434-104	2640		14-aug-1979	14-aug-1979	284.20	17.40	922.5	0.56	18.78
0438-166	3558	1,4	05-feb-1979	07-feb-1979	8.21	13.56	32721.6	7.38	13.22
0438-166	3557	4,7	07-feb-1979	08-feb-1979	-7.71	19.11	28412.0	14.27	13.70
0438-436	4011		26-aug-1979	14-feb-1980	166.89	17.57	7387.3	8.11	16.53
0439-164	3557	4,9	07-feb-1979	08-feb-1979	28.33	21.11	28412.0	9.80	12.59
0440-003	2018	1,7	06-mar-1980	06-mar-1980	10.19	9.15	2125.4	1.38	16.24
0440-003	2017	7	08-sep-1979	08-sep-1979	34.57	24.45	1831.9	1.12	18.40
0454-234	7165		05-mar-1980	05-mar-1980	25.94	6.88	1399.2	0.49	16.41
0458-020	7166		03-mar-1980	25-aug-1980	39.74	8.85	2409.0	0.38	15.59
0513-002	2641		10-sep-1979	10-sep-1979	1885.73	44.47	2019.5	0.65	12.40
0518+165	489		25-feb-1979	25-feb-1979	29.07	7.51	2522.4	0.29	14.00
0518-458	2670	5	12-aug-1980	12-aug-1980	657.01	26.32	1623.7	1.09	15.21
0528-250	4014	7	27-aug-1979	27-aug-1979	-3.51	9.03	1821.2	0.32	12.80
0537-441	7499		07-apr-1980	07-apr-1980	157.32	16.01	4728.5	0.01	16.46
0537-441	547	1	09-oct-1979	09-oct-1979	17.89	4.93	359.8	2.30	17.80
0537-286	3720	7	28-mar-1979	29-mar-1979	654.21	31.61	23430.5	13.33	16.84
0538+498	483		04-oct-1979	05-oct-1979	140.28	17.17	12140.9	0.38	17.45
0605-085	7288		08-oct-1980	08-oct-1980	58.78	8.98	1724.3	0.45	13.80
0605-085	7287	1	20-mar-1980	20-mar-1980	65.86	9.83	2023.8	0.79	15.00
0605-085	10684		08-apr-1981	08-apr-1981	115.59	16.11	5893.9	0.43	16.80
0607-157	7289		05-mar-1980	05-mar-1980	19.69	6.39	1288.7	0.67	16.40
0637-752	8494	1	14-dec-1980	14-dec-1980	1173.51	37.58	7479.6	0.27	14.00
0637-752	5404		30-oct-1979	30-oct-1979	329.83	18.83	1371.2	0.11	18.44
0642+449	3712		09-oct-1979	10-oct-1979	143.98	15.95	6674.9	0.23	17.46
0655+542	2621		09-apr-1979	09-apr-1979	155.12	13.04	793.1	1.33	16.75
0710+118	490		09-apr-1979	09-apr-1979	27.19	7.23	1744.0	0.12	18.15
0730+659	5226		18-oct-1979	19-oct-1979	-6.32	10.26	4411.7	0.10	16.72
0732+588	2607		05-oct-1979	05-oct-1979	135.48	12.35	950.0	1.52	17.71
0736+017	2020		01-may-1980	01-may-1980	70.95	9.68	1144.6	0.19	16.00
0736+017	2019	1	08-oct-1979	20-oct-1979	162.51	14.56	3018.7	0.17	17.40
0738+313	3993		26-oct-1979	26-oct-1979	65.15	10.46	2755.1	0.38	18.20
0740+380	499		28-oct-1979	30-oct-1979	260.49	21.59	13677.8	0.35	18.38
0752+393	2622		28-oct-1979	28-oct-1979	347.31	19.54	2007.0	0.93	18.74
0758+143	8979		27-mar-1981	27-mar-1981	46.40	12.16	6020.8	0.39	17.12
0802+103	10181	7	22-oct-1980	22-oct-1980	67.03	15.46	10273.3	0.76	13.06
0802+103	2711	1	22-oct-1979	22-oct-1979	3.62	6.50	2055.2	0.34	18.20
0804+761	5336		27-sep-1980	27-sep-1980	479.09	22.67	1303.4	5.55	14.67
0805+046	2022	6,7	20-oct-1979	20-oct-1979	-33.50	8.54	3051.9	1.12	17.27
0805+046	2021	1,9	27-apr-1979	27-apr-1979	9.37	6.47	2021.2	1.10	17.92
0805+047	2022	4	20-oct-1979	20-oct-1979	-6.62	6.73	3051.9	5.27	17.48
0809+483	493		08-oct-1979	09-oct-1979	64.30	13.95	8110.6	0.33	17.34
0824+110	5125		20-oct-1979	20-oct-1979	33.39	10.65	3999.2	0.13	17.40
0827+243	3264		12-apr-1979	12-apr-1979	34.37	8.55	1806.5	0.69	12.18
0833+654	501		29-apr-1979	29-apr-1979	36.42	8.13	1771.3	0.18	12.80
0834-201	7296	1	23-apr-1980	01-may-1980	62.06	10.44	2931.4	0.40	16.00
0834-201	7297		07-apr-1981	08-apr-1981	22.51	6.44	858.6	0.44	16.79
0834+654	6964	4,9	24-sep-1980	24-sep-1980	6.42	11.34	12796.1	17.69	13.42
0835+580	503	7	04-oct-1979	07-oct-1979	168.28	25.08	16602.5	0.76	17.30
0835+583	503	4	04-oct-1979	07-oct-1979	0.12	15.84	16602.5	14.71	17.67
0836+654	6964	2,4	24-sep-1980	24-sep-1980	-20.36	10.87	12796.1	16.82	13.43
0837-120	8933		21-apr-1981	21-apr-1981	1669.18	42.62	5367.7	0.11	15.99
0838+133A	486		27-oct-1979	28-oct-1979	365.82	23.92	13646.7	0.21	18.32
0838+770	5363		03-oct-1980	03-oct-1980	34.93	7.25	866.5	2.90	13.13
0838+131	486	4	27-oct-1979	28-oct-1979	22.21	13.96	13646.7	17.36	17.49
0838+133B	486	4,7	27-oct-1979	28-oct-1979	-12.12	13.47	13646.7	12.44	19.12
0843+161	5364	4	13-may-1980	13-may-1980	2.43	5.92	2453.8	9.03	16.21
0843+349	5337	4	29-oct-1979	29-oct-1979	-0.16	4.26	1659.2	9.51	17.80
0844+349	5337		29-oct-1979	29-oct-1979	209.85	15.27	1659.2	0.13	18.40
0848+155	2026	9	12-may-1980	14-may-1980	18.11	8.38	3681.7	0.18	15.65
0848+155	2025	1	23-oct-1979	23-oct-1979	17.64	6.62	1853.1	0.13	18.00
0848+163	3979		23-oct-1979	23-oct-1979	2.88	8.04	2292.3	0.00	17.60
0850+140	500		27-apr-1979	27-apr-1979	24.51	6.96	1602.9	0.34	16.79
0855+188	2028		14-may-1980	14-may-1980	-14.49	8.30	5394.1	5.67	15.20
0855+188	2027	1	22-oct-1979	22-oct-1979	-10.44	3.93	1527.1	5.67	19.00
0859-140	3905	1	19-apr-1981	19-apr-1981	48.81	11.05	2833.7	0.43	16.00
0859-140	3904		03-may-1980	03-may-1980	47.12	8.27	1227.7	0.53	16.00
0859-140	3903		12-nov-1979	12-nov-1979	58.11	9.26	1453.6	0.19	18.99
0903+169	481		26-oct-1979	27-oct-1979	574.53	28.17	13459.1	0.22	18.47
0906+430	2685		28-oct-1979	28-oct-1979	43.00	8.46	1607.9	0.49	18.20
0906+015	2030	1	07-may-1980	07-may-1980	52.74	9.25	1883.7	6.42	17.40
0906+015	2029		19-may-1979	19-may-1979	37.14	7.57	1427.4	6.29	19.00
0906+484	3962	9	30-oct-1979	30-oct-1979	16.71	6.48	1484.1	1.51	18.20
0910+403	1941	9	20-oct-1979	20-oct-1979	16.90	6.82	1850.4	0.94	17.20
0915+165	3467		06-nov-1979	13-nov-1979	861.61	30.04	2750.0	0.96	18.17
0923+201	5365		09-may-1980	09-may-1980	59.55	9.02	1599.9	0.07	16.41
0923+129	6708		08-may-1980	08-may-1980	592.24	25.20	2039.4	1.70	16.00
0923+392	554		19-oct-1979	19-oct-1979	1001.24	34.87	9773.5	0.22	16.90
0927+217	5229		09-nov-1979	15-may-1980	2.22	3.64	991.0	0.00	16.20
0934+013	2642		07-may-1980	07-may-1980	314.59	18.69	1851.5	1.25	16.44
0937+391	8409		12-may-1980	12-may-1980	27.97	6.82	1116.5	0.49	15.20
0938+117A	530	4	20-may-1979	21-may-1979	-3.10	8.02	14115.3	14.37	12.83
0938+120A	530	4	20-may-1979	21-may-1979	-14.77	18.63	14115.3	7.76	12.98
0938+120B	530	4	20-may-1979	21-may-1979	-22.16	31.47	14115.3	7.02	12.91
0938+117B	530	4,7	20-may-1979	21-may-1979	24.52	13.11	14115.3	16.97	12.40
0939+121	530	4	20-may-1979	21-may-1979	19.88	15.96	14115.3	13.27	11.97
0939+117	530	3,4	20-may-1979	21-may-1979	20.36	14.30	14115.3	17.25	13.43

TABLE 2—*Continued*

Name	Seq	Note	Start Obs	End Obs	Counts	Err	Live Time (s)	Off-axis Angle (arcmin)	Gain
0945+076	1943		25-may-1979	25-may-1979	62.20	10.08	2339.8	0.23	11.80
0953+254	3265		06-nov-1979	06-nov-1979	21.80	6.32	942.5	0.22	15.80
0955+326	2712		25-may-1979	25-may-1979	12.95	6.26	1595.3	11.55	11.40
0958+290	2687	9	24-may-1979	24-may-1979	8.94	5.54	2052.6	0.09	11.80
0959-443	5405		10-jan-1980	10-jan-1980	43.96	8.05	1381.6	0.17	16.00
1001+054	3963		02-dec-1979	02-dec-1979	-1.69	4.77	1573.9	0.01	19.60
1004-217	5406	7	14-jun-1980	15-jun-1980	9.56	5.58	1150.6	0.56	16.01
1004+130	563		21-may-1979	09-may-1980	13.85	12.20	7094.3	0.02	15.88
1008+133	5367		08-may-1980	08-may-1980	3.37	5.71	2025.0	0.08	16.40
1011+250	2031		23-may-1979	23-may-1979	70.64	9.90	1772.5	2.03	11.60
1011-282	5407		15-jun-1980	15-jun-1980	105.26	11.69	1858.7	0.17	15.80
1011-040	8432	7	01-jun-1980	01-jun-1980	-4.14	6.64	1717.9	0.00	15.98
1017+203	913	3,4	13-may-1980	15-may-1980	35.63	17.12	17731.1	18.35	15.36
1020-103	3964		03-jun-1980	03-jun-1980	320.13	19.26	2714.8	0.21	15.96
1020+201	1945	1	20-may-1979	20-may-1979	299.02	18.41	2165.9	0.51	12.57
1020+201	1946		14-may-1980	02-jun-1980	1415.79	38.30	2310.1	0.47	15.87
1028+313	4256		24-may-1979	25-may-1979	1406.39	40.75	6595.3	0.20	11.81
1028+290	2644		23-may-1979	23-may-1979	470.00	23.91	1938.7	3.13	11.40
1038+064	5126		04-dec-1979	04-dec-1979	143.32	12.94	1539.6	0.19	13.40
1040+123	497		24-may-1980	24-may-1980	127.60	14.72	4310.3	0.18	15.82
1048-090	5369		04-jan-1981	05-jan-1981	232.26	16.80	1779.4	0.26	13.00
1050-184	5408		04-jan-1981	04-jan-1981	27.00	8.96	1737.1	0.00	12.40
1054-034	4025		02-dec-1979	04-dec-1979	44.52	18.70	18322.7	0.29	14.94
1058+726	5230		20-nov-1979	20-nov-1979	76.19	11.25	2872.6	0.15	17.42
1100+772	478		27-apr-1979	20-apr-1980	566.17	25.35	3638.4	0.03	15.79
1100-264	4002		09-jun-1980	09-jun-1980	20.91	6.49	1591.5	0.57	14.60
1103+728	1948		27-apr-1979	27-apr-1979	137.52	13.54	3105.4	0.67	16.60
1103+728	1947	1	05-oct-1979	20-oct-1979	584.88	25.61	3948.3	0.29	17.57
1111+408	488		09-may-1980	10-may-1980	220.05	17.67	4748.5	0.13	16.40
1113+182	3927	4	07-dec-1979	07-dec-1979	13.38	16.22	16041.8	8.43	12.09
1114+183	3927	4	07-dec-1979	07-dec-1979	36.57	22.10	16041.8	7.21	12.80
1115+080	5355		05-dec-1979	05-dec-1979	41.72	8.40	1529.4	0.30	12.80
1116+215	5339		06-dec-1979	06-dec-1979	466.13	23.89	1887.7	0.17	12.60
1119+120	8428		11-dec-1980	11-dec-1980	244.64	16.60	1531.7	0.39	14.42
1122+546	2646		29-apr-1979	29-apr-1979	64.23	8.79	402.0	0.35	12.92
1123+434	5231		21-nov-1979	16-may-1980	-4.58	12.21	8318.8	0.01	17.50
1126-041	8429	9,10	20-dec-1980	20-dec-1980	11.71	6.41	1831.0	0.92	13.60
1127-145	7301		04-jan-1981	04-jan-1981	62.45	9.51	1384.6	0.35	13.00
1127-145	7300	1	01-jan-1980	01-jan-1980	68.41	10.06	1785.5	0.18	17.60
1128+315	3965		07-dec-1979	07-dec-1979	226.42	16.70	2158.7	0.26	12.40
1136-374	7209		01-jan-1980	17-jan-1980	6422.37	81.09	7442.2	0.83	16.37
1137+660	5421		20-apr-1980	22-apr-1980	1082.52	36.35	10427.2	0.07	15.72
1137+660	485	1	27-apr-1979	27-apr-1979	34.72	6.63	295.7	0.49	17.60
1146-037	5411		06-jan-1981	06-jan-1981	266.84	17.74	1706.3	0.21	12.20
1155+557	4548		21-nov-1979	21-nov-1979	286.11	17.72	1282.0	0.23	18.20
1157+014	5117		24-jun-1980	24-jun-1980	-0.32	9.47	3608.6	0.03	15.40
1157+532	5232	9	21-nov-1979	12-dec-1979	18.81	9.05	4308.2	0.46	16.95
1202+281	4258		23-may-1979	24-may-1979	1155.09	36.76	4175.8	0.18	11.80
1206-399	5412		11-jan-1980	11-jan-1980	26.81	7.09	1344.8	0.42	16.40
1207+398	353	4	18-may-1979	20-may-1979	-22.31	12.83	19928.5	16.33	12.48
1208+396	352		12-dec-1979	13-dec-1979	1881.73	45.25	6901.0	1.11	16.65
1208+322	3966	7	12-dec-1979	12-dec-1979	73.72	10.64	1944.5	0.36	16.75
1208+398	353	4	18-may-1979	20-may-1979	8.17	10.25	19928.5	12.60	11.92
1209+107A	4055	9,10	21-dec-1979	21-dec-1979	1.74	3.19	1280.3	0.10	18.60
1209+107B	4055		21-dec-1979	21-dec-1979	-7.02	3.88	1280.3	4.73	18.40
1209+109	4055		21-dec-1979	21-dec-1979	-9.60	3.05	1280.3	16.26	18.80
1211+143	5341		11-dec-1980	11-dec-1980	2195.91	48.19	1795.4	0.16	14.07
1214+074	6711		24-jun-1980	24-jun-1980	256.55	17.70	2132.8	0.29	15.38
1215+300	6712		16-dec-1979	16-dec-1979	1439.35	38.60	2440.5	4.54	20.20
1216+069	5374		11-dec-1980	11-dec-1980	132.03	12.88	1407.8	0.44	14.18
1217+023	532	1	20-jun-1979	20-jun-1979	648.34	26.55	2135.7	0.12	13.13
1217+023	9613		14-dec-1980	14-dec-1980	326.38	19.12	1581.8	0.31	13.61
1217+023	9612		14-dec-1980	14-dec-1980	281.43	17.80	1455.2	0.47	13.80
1217+023	9610		13-dec-1980	13-dec-1980	237.13	16.30	1104.1	0.34	13.88
1217+023	5423		12-dec-1980	12-dec-1980	329.39	19.24	1502.4	0.26	14.18
1217+023	9611		13-dec-1980	13-dec-1980	322.63	18.94	1491.9	0.38	14.20
1218+339	3239	7	08-dec-1979	08-dec-1979	103.50	13.58	4884.6	0.31	12.40
1219+755	5424		20-apr-1980	22-apr-1980	6418.98	82.54	13112.9	0.44	15.69
1219+044	3267		26-jun-1979	27-jun-1979	81.23	10.34	1375.5	0.20	13.25
1221+758	5233		20-nov-1979	20-nov-1979	1.05	7.06	2896.3	0.00	17.68
1222+226	4056		15-dec-1979	15-dec-1979	4.22	4.06	878.0	15.10	18.19
1222+228B	4056	7	15-dec-1979	15-dec-1979	-5.71	4.01	878.0	5.29	18.00
1222+228A	4056	9	15-dec-1979	15-dec-1979	13.29	5.38	878.0	3.39	18.39
1223+252	565		20-dec-1978	20-dec-1978	104.65	12.77	3008.6	0.11	12.82
1223+227	4056		15-dec-1979	15-dec-1979	-6.76	2.48	878.0	11.79	19.39
1225+317	542		19-dec-1978	19-dec-1978	172.87	16.38	5028.5	0.75	12.33
1226+023	9310		13-dec-1980	08-jan-1981	7540.97	90.13	1668.1	0.27	12.80
1226+023	2037	1	20-jun-1979	21-jun-1979	4684.00	69.51	1740.4	0.71	13.92
1226+023	5692		01-jan-1980	11-jul-1980	9256.36	97.74	3910.7	0.13	15.67
1228+078	4052		20-dec-1979	20-dec-1979	-4.65	5.34	1657.9	6.60	17.80
1228+076	4052		20-dec-1979	20-dec-1979	8.48	6.76	1657.9	5.73	19.80
1228+077	4052		20-dec-1979	20-dec-1979	1.55	5.51	1657.9	7.84	19.60
1229+078A	4052	9	20-dec-1979	20-dec-1979	9.26	6.44	1657.9	12.61	19.53
1229+116	279	4	25-dec-1978	26-dec-1978	-43.00	22.06	20344.0	11.66	19.79
1229-021	5127		21-dec-1979	21-dec-1979	27.78	7.56	1686.6	0.11	18.60
1229+204	3967		14-dec-1979	14-dec-1979	374.31	20.17	1672.3	3.25	18.00
1229+078B	4052		20-dec-1979	20-dec-1979	6.41	5.90	1657.9	20.42	19.19
1229+077	4052	2	20-dec-1979	20-dec-1979	2.04	6.75	1657.9	22.74	19.47
1230+120	279	4	25-dec-1978	26-dec-1978	148.01	23.13	20344.0	25.62	19.00
1235+264	9974	4	16-jan-1981	17-jan-1981	0.99	16.84	20694.7	18.00	12.92
1237-101	4036		27-jun-1979	27-jun-1979	26.11	7.20	1548.4	0.40	14.80
1241+166	3241	7	29-jun-1979	29-jun-1979	41.11	10.96	3814.1	0.16	17.88
1241+176	5343		11-jan-1981	11-jan-1981	46.41	8.67	2597.5	1.48	12.71
1243+346	529		20-dec-1978	20-dec-1978	-11.52	7.21	6794.7	15.59	12.80
1244+026	8433		13-jul-1980	13-jul-1980	401.39	21.08	1232.2	0.17	15.40
1244+345	529		20-dec-1978	20-dec-1978	8.61	10.88	6794.7	7.01	13.35
1244+346A	529	9,10	20-dec-1978	20-dec-1978	3.56	2.21	6794.7	10.59	12.82
1244+346B	529		20-dec-1978	20-dec-1978	24.72	15.33	6794.7	9.38	13.00
1244+347	529		20-dec-1978	20-dec-1978	-10.04	12.56	6794.7	3.89	12.73
1245+345	529		20-dec-1978	20-dec-1978	11.48	11.33	6794.7	8.52	13.24
1245+343	529		20-dec-1978	20-dec-1978	-3.17	8.55	6794.7	24.81	12.12
1245+342	529	7	20-dec-1978	20-dec-1978	-12.85	7.26	6794.7	21.95	12.35
1246+344	529		20-dec-1978	20-dec-1978	2.06	7.32	6794.7	17.41	12.98
1246+377	3980		08-dec-1979	08-dec-1979	-8.60	6.24	2771.8	0.01	12.20
1246+346	529		20-dec-1978	20-dec-1978	92.90	12.79	6794.7	18.83	13.09
1246-057	4004		20-jul-1979	21-jul-1979	8.56	8.62	3484.6	0.31	16.28
1250+568	479	7	06-jun-1980	06-jun-1980	149.06	18.78	5329.5	0.41	15.41
1252+119	4037		18-dec-1979	18-dec-1979	58.95	10.12	2153.4	0.24	18.76
1253+359	5390	7	30-jun-1980	03-jul-1980	2.48	22.75	30711.8	9.46	16.27
1253-055	4645		14-jul-1980	22-jul-1980	3246.38	61.44	25094.9	0.12	15.23
1253-055	544	1	07-jan-1979	07-jan-1979	548.32	24.96	3046.0	0.16	22.23
1253+358	5390		30-jun-1980	03-jul-1980	-29.07	21.44	30711.8	9.38	16.00
1253+361	5390		30-jun-1980	03-jul-1980	-32.19	20.20	30711.8	14.36	15.13
1253+360	5390		30-jun-1980	03-jul-1980	-34.78	18.97	30711.8	12.91	15.27

TABLE 2—*Continued*

Name	Seq	Note	Start Obs	End Obs	Counts	Err	Live Time (s)	Off-axis Angle (arcmin)	Gain
1254+571	8957	4	23-dec-1980	23-dec-1980	9.34	6.36	2063.8	0.00	13.40
1254+047	5375		11-dec-1980	11-dec-1980	11.72	7.01	1904.5	0.05	14.43
1254+356A	5390		30-jun-1980	03-jul-1980	177.20	23.53	30711.8	17.08	15.11
1254+360	5390	9	30-jun-1980	03-jul-1980	43.38	21.02	30711.8	13.75	13.65
1255+359	5390		30-jun-1980	03-jul-1980	360.75	28.87	30711.8	11.58	14.64
1256+357	5391	1,2	02-jul-1980	05-jul-1980	309.47	40.47	40119.2	21.85	15.29
1256+357	5390		30-jun-1980	03-jul-1980	233.05	24.03	30711.8	24.01	16.49
1256+355	5391		02-jul-1980	05-jul-1980	9.83	21.35	40119.2	28.82	15.03
1257+361	5391	7	02-jul-1980	05-jul-1980	5.25	25.02	40119.2	15.62	14.82
1257+359	5391	6	02-jul-1980	05-jul-1980	-85.81	24.33	40119.2	2.82	15.74
1257+356	5391		02-jul-1980	05-jul-1980	-23.78	20.80	40119.2	15.02	15.03
1258+287	2041		10-jul-1979	10-jul-1979	-15.76	8.29	1909.2	6.93	15.15
1258+286A	2041		10-jul-1979	10-jul-1979	-11.09	8.58	1909.2	2.88	14.55
1258+356	5392	2	01-jul-1980	04-jul-1980	252.46	24.73	38714.4	34.15	14.99
1258+343	5717	6,7	14-dec-1979	14-dec-1979	-93.96	8.36	3531.4	3.01	18.42
1258+286B	2041		10-jul-1979	10-jul-1979	-10.07	8.54	1909.2	7.15	13.81
1258+342	5717	9,10	14-dec-1979	14-dec-1979	17.42	8.95	3531.4	8.23	18.95
1259+357	5392	2	01-jul-1980	04-jul-1980	52.94	31.67	38714.4	22.67	14.81
1259+344A	5717		14-dec-1979	14-dec-1979	12.90	8.38	3531.4	12.24	19.16
1259+361	5392	2	01-jul-1980	04-jul-1980	114.02	33.70	38714.4	25.65	15.46
1259+359	5392	1,2	01-jul-1980	04-jul-1980	40.72	31.54	38714.4	18.84	14.97
1259+359	5391	2,9	02-jul-1980	05-jul-1980	75.33	31.93	40119.2	23.31	15.30
1259+344B	5717		14-dec-1979	14-dec-1979	3.79	7.23	3531.4	14.51	19.18
1259+360	5392	2	01-jul-1980	04-jul-1980	28.50	21.55	38714.4	19.40	15.16
1300+360	5392	3	01-jul-1980	04-jul-1980	-12.22	29.24	38714.4	18.11	14.93
1300-243	4034		29-jul-1979	29-jul-1979	-8.51	1.42	625.7	0.46	15.38
1301+359	5392		01-jul-1980	04-jul-1980	-35.93	25.80	38714.4	3.62	15.08
1301+361	5392	9	01-jul-1980	04-jul-1980	14.28	22.34	38714.4	15.30	14.69
1301+358A	5392		01-jul-1980	04-jul-1980	1541.91	47.09	38714.4	7.48	14.97
1301+358B	5392	7	01-jul-1980	04-jul-1980	-14.73	24.47	38714.4	7.83	15.27
1301+356	5392	7	01-jul-1980	04-jul-1980	168.79	27.94	38714.4	14.98	15.78
1302+358	5392	7	01-jul-1980	04-jul-1980	43.99	24.63	38714.4	11.43	14.81
1302+357	5392	2	01-jul-1980	04-jul-1980	-12.22	31.28	38714.4	15.91	14.87
1302-102	3968		24-jul-1979	25-jul-1979	138.21	12.52	950.6	0.19	18.06
1303+355	5392	2	01-jul-1980	04-jul-1980	22.40	20.21	38714.4	31.78	17.44
1303+357A	5392	7	01-jul-1980	04-jul-1980	27.81	22.38	38714.4	26.17	16.84
1303+362	5392	2	01-jul-1980	04-jul-1980	-6.11	18.99	38714.4	32.45	14.12
1303+358	5392	2	01-jul-1980	04-jul-1980	42.76	29.37	38714.4	29.15	17.57
1303+360	5392	6,7	01-jul-1980	04-jul-1980	-75.99	15.76	38714.4	31.43	17.28
1304+310	2046	4	10-jul-1979	10-jul-1979	5.90	5.64	1554.4	5.97	14.38
1304+346	2608		04-jul-1980	04-jul-1980	341.01	20.42	3183.4	1.09	15.00
1307+085	5344		27-jan-1981	27-jan-1981	520.76	24.07	2148.9	0.25	18.15
1309-056	4260	9	28-jun-1979	28-jun-1979	22.96	9.76	4839.5	0.90	16.65
1310-108	8434		14-jul-1980	14-jul-1980	123.23	11.69	593.4	0.13	15.38
1311+362	5128		28-jun-1980	28-jun-1980	-7.36	10.86	6215.5	0.97	15.40
1316+179	5546	4,9	24-jan-1981	25-jan-1981	49.07	18.75	20026.3	16.89	17.71
1318+290A	525	7,8	18-dec-1978	18-dec-1978	16.39	9.03	3038.2	3.58	11.40
1321+294	3982	7	13-dec-1979	13-dec-1979	-5.11	5.79	2715.9	0.07	17.20
1328+254	498		30-jun-1980	01-jul-1980	113.49	15.15	6179.5	0.15	15.18
1328+307	491		01-jul-1980	01-jul-1980	133.13	16.13	7863.3	0.52	15.54
1330+022	1956		19-jan-1980	19-jan-1980	267.79	17.40	1606.7	3.07	17.00
1331+170	4023	9	20-dec-1979	20-dec-1979	23.96	8.51	2151.2	0.65	18.40
1332+552	3969		05-jun-1980	05-jun-1980	25.86	7.11	1272.3	0.26	15.59
1333+176	5376		11-jan-1981	11-jan-1981	42.84	10.37	2673.3	0.26	12.60
1333+286	4016	4	20-jul-1979	20-jul-1979	-5.37	4.38	1780.5	10.27	15.20
1335-127	7168		14-jul-1980	14-jul-1980	129.20	12.02	871.1	0.18	15.45
1340+606	496	9	20-jun-1979	20-jun-1979	17.42	8.97	3931.0	0.16	18.84
1346-036	4261		22-jul-1979	22-jul-1979	-10.48	9.39	4158.8	0.99	17.59
1351+640	520		27-apr-1979	27-apr-1979	8.65	5.29	1319.3	0.03	16.91
1351+695	10596		09-feb-1981	09-feb-1981	1366.96	37.58	1547.5	0.16	18.00
1352+183	5377		11-jan-1981	11-jan-1981	449.59	23.96	2669.3	0.24	12.60
1352+011	5378	9	30-jan-1981	30-jan-1981	4.88	6.24	2115.2	0.15	18.00
1354-152	7169		03-aug-1980	03-aug-1980	37.71	7.86	1860.2	0.68	13.60
1355-416	3970		13-feb-1980	13-feb-1980	169.56	14.13	1081.0	0.35	16.60
1358+043	8334		29-jan-1981	29-jan-1981	116.99	13.58	3290.5	0.19	17.60
1402-012	5396	9	04-aug-1980	04-aug-1980	18.48	9.85	6568.3	0.47	14.13
1402+044	3717	9	22-jul-1979	23-jul-1979	12.37	14.32	9795.0	0.05	17.87
1402+261	5379	4	17-jan-1981	17-jan-1981	292.43	20.13	3132.9	0.57	12.20
1404+226	5380		17-jan-1981	17-jan-1981	42.06	9.76	2686.5	0.43	12.00
1407+265	5381		17-jan-1981	17-jan-1981	252.80	17.88	1556.7	0.45	12.17
1407+524	3547	4	02-jan-1980	03-jan-1980	22.99	14.00	11835.1	14.15	14.06
1408+523	3547	4,7	02-jan-1980	03-jan-1980	29.35	14.65	11835.1	10.71	13.90
1414+091	10437		25-jan-1981	25-jan-1981	-0.62	14.64	9328.9	7.51	18.02
1414+252	356	4,7	29-jun-1979	30-jun-1979	35.70	21.37	22397.2	14.52	19.50
1415+254	356	4,6,7	29-jun-1979	30-jun-1979	-79.45	21.24	22397.2	10.17	18.33
1416-129	5347	1	03-aug-1980	03-aug-1980	383.09	20.32	1951.9	0.42	13.77
1416-129	10386		30-jan-1981	30-jan-1981	515.49	23.45	2150.7	0.29	17.47
1416-129	10388		01-feb-1981	01-feb-1981	424.58	21.22	1468.3	0.18	17.60
1416-129	10373		30-jan-1981	30-jan-1981	651.28	26.30	2375.4	0.11	17.80
1416-129	10387		31-jan-1981	31-jan-1981	549.98	24.09	1820.6	0.10	17.88
1416-129	10389		02-feb-1981	02-feb-1981	606.16	25.33	2020.7	0.10	18.22
1416+067	502		24-jan-1979	24-jan-1979	52.68	10.06	2081.6	0.47	15.80
1417-192	1960		30-jul-1979	30-jul-1979	245.53	16.47	1466.2	0.67	16.30
1417-192	1959	1	22-jul-1979	22-jul-1979	211.02	15.36	1530.1	0.85	17.60
1422+202	7306	1	08-jul-1980	08-jul-1980	28.71	8.05	2083.3	0.59	14.61
1422+202	4396		20-jan-1980	20-jan-1980	26.80	7.74	1762.6	0.28	16.60
1425+267	3971		23-jan-1980	23-jan-1980	34.09	8.00	1502.2	0.15	16.40
1426+015	10374		04-jan-1981	04-jan-1981	892.53	31.77	2258.3	0.21	12.80
1426+015	10393		05-jan-1981	05-jan-1981	1249.56	37.68	2879.3	0.37	12.81
1426+015	10392		05-jan-1981	05-jan-1981	1200.24	36.83	2787.6	0.24	13.00
1426+015	10390		05-jan-1981	05-jan-1981	1046.35	34.49	2571.4	0.25	13.00
1426+015	10391		05-jan-1981	05-jan-1981	1077.71	34.03	2713.4	0.16	13.20
1426+015	5348	1	03-aug-1980	03-aug-1980	1304.49	37.07	2033.8	0.11	14.00
1427+109	8468		08-jul-1980	08-jul-1980	114.90	17.25	9202.0	0.11	14.55
1433+488	2625		03-jan-1980	03-jan-1980	313.37	19.09	2113.9	0.78	11.40
1435+638	10421		09-feb-1981	09-feb-1981	55.06	12.73	3785.8	0.46	17.84
1435-067	5382		09-feb-1980	09-feb-1980	317.10	18.81	2066.0	0.09	16.80
1441+522	6317		02-jun-1980	02-jun-1980	442.34	24.10	6745.4	0.29	15.99
1442+101	2050		22-jul-1979	22-jul-1979	50.74	10.82	2786.6	2.50	17.80
1442+101	2051	1	29-jul-1979	29-jul-1979	49.47	11.62	3335.0	2.25	15.29
1443+101	2050	4	22-jul-1979	22-jul-1979	-13.95	8.41	2786.6	5.57	17.40
1448-232	5413		10-feb-1981	10-feb-1981	-6.02	6.09	1992.6	0.02	18.20
1451-375	3972		01-aug-1979	01-aug-1979	134.88	13.43	1940.8	0.12	19.21
1458+718	494	1	20-jun-1979	20-jun-1979	189.95	16.00	4518.4	0.19	13.71
1458+718	2690		07-mar-1979	07-mar-1979	82.66	10.95	2045.9	0.35	15.60
1501+106	6713		18-jan-1980	18-jan-1980	1619.77	41.21	1474.7	0.29	16.80
1502+106	7170	1,9	07-aug-1980	07-aug-1980	25.45	8.54	2316.2	0.29	14.20
1502+106	6713	4	18-jan-1980	18-jan-1980	17.90	7.14	1474.7	6.79	17.20
1504-166	7307		10-feb-1980	11-feb-1980	24.81	5.96	607.0	0.41	16.80
1505+218	4060	4	14-aug-1979	14-aug-1979	-2.19	4.29	1413.7	13.17	19.60
1510-089	2052	1	03-aug-1979	03-aug-1979	177.83	14.32	1696.7	0.84	11.80
1510-089	2053		10-feb-1980	10-feb-1980	178.89	14.24	1400.2	1.00	17.00
1512+370	3973		23-jan-1980	23-jan-1980	233.78	16.43	2058.4	0.26	16.40
1517+239	4263		14-aug-1980	14-aug-1980	8.25	7.03	1460.5	1.42	15.08

TABLE 2—*Continued*

Name	Seq	Note	Start Obs	End Obs	Counts	Err	Live Time (s)	Off-axis Angle (arcmin)	Gain
1518+202	10407	4,6	28-feb-1981	28-feb-1981	-157.35	27.84	40391.7	12.41	17.20
1519+226	5383		12-aug-1980	12-aug-1980	118.46	12.42	1822.0	0.37	15.60
1522+155	10086		08-jan-1981	08-jan-1981	44.39	13.65	4826.1	0.22	12.60
1523+214	3983		21-jan-1980	21-jan-1980	1.80	3.46	637.0	0.01	16.41
1524-136	3911	1	31-jul-1980	31-jul-1980	4.62	4.38	1625.0	0.19	15.00
1524-136	3910	9	11-feb-1980	11-feb-1980	14.39	5.72	1163.9	0.96	16.60
1525+227	3974	1	23-jan-1980	23-jan-1980	26.33	7.50	1548.1	0.61	16.40
1525+227	10368	9	06-mar-1981	06-mar-1981	33.94	16.68	11075.7	0.29	17.40
1531+359	2649		28-jan-1979	28-jan-1979	0.63	5.48	2120.3	0.63	17.72
1534+580	2614		29-jul-1979	29-jul-1979	740.01	28.08	1223.7	0.90	14.00
1545+210	2055		30-aug-1979	30-aug-1979	320.82	19.06	1540.8	0.55	12.60
1545+210	2054	1	13-aug-1979	13-aug-1979	412.66	21.29	1912.3	0.57	16.55
1546+027	5397		08-feb-1980	08-feb-1980	424.26	22.97	5457.3	0.60	16.40
1548+116	524	1,4	04-feb-1979	04-feb-1979	15.72	16.35	3185.6	6.46	12.20
1548+116	2713	4	14-aug-1979	14-aug-1979	-1.13	6.34	1961.7	6.96	18.41
1548+114A	524	1	04-feb-1979	04-feb-1979	283.87	19.24	3185.6	0.11	12.48
1548+114A	2713		14-aug-1979	14-aug-1979	106.43	11.92	1961.7	0.53	18.60
1552+085	5384	9	08-feb-1980	08-feb-1980	9.47	6.70	1697.6	0.69	16.40
1552+193	2615	7	14-aug-1979	14-aug-1979	276.40	18.05	1984.4	1.35	18.80
1555+001	7172		10-feb-1980	10-feb-1980	4.18	5.39	1581.8	0.01	16.80
1556+335	4264		15-aug-1979	15-aug-1979	39.92	10.38	4880.9	0.24	12.32
1559+088	10438		13-mar-1981	13-mar-1981	81.59	15.57	5914.7	1.06	17.35
1601+182	3713	6	02-mar-1980	10-aug-1980	-75.32	14.93	17072.0	1.04	14.91
1601+184A	3713	4,7	02-mar-1980	10-aug-1980	-29.39	14.63	17072.0	11.51	14.38
1601+184B	3713	4,7	02-mar-1980	10-aug-1980	-9.47	9.12	17072.0	14.15	14.00
1606+289	5719	9	19-jan-1980	19-jan-1980	14.87	11.21	7365.0	0.29	16.42
1611+343	7310	1	10-jan-1981	10-jan-1981	30.47	8.47	1889.0	0.27	12.00
1611+343	7309		15-aug-1980	15-aug-1980	22.36	7.28	1782.3	0.32	15.20
1612+266	2057		16-aug-1979	16-aug-1979	37.67	8.35	1313.4	13.11	11.79
1612+266	2056	1	29-jan-1979	29-jan-1979	2.78	4.39	1280.6	14.25	18.47
1612+261	2057		16-aug-1979	16-aug-1979	219.64	15.99	1313.4	13.96	12.60
1612+261	2056	1	29-jan-1979	29-jan-1979	176.27	14.03	1280.6	14.07	17.16
1613+658	10375		06-feb-1981	06-feb-1981	287.29	18.06	998.0	0.67	17.20
1613+658	10395		06-feb-1981	06-feb-1981	488.27	23.45	1747.5	0.87	17.40
1613+658	10394		06-feb-1981	06-feb-1981	531.99	24.16	1721.4	1.06	17.40
1613+658	10396		09-feb-1981	09-feb-1981	349.18	19.67	1283.5	1.13	17.94
1613+658	5385	1	07-nov-1979	07-nov-1979	115.88	12.71	793.6	0.70	18.12
1613+658	10397		10-feb-1981	10-feb-1981	444.19	21.99	1458.6	0.97	18.37
1613+055	3716	4	03-mar-1980	04-mar-1980	-25.51	20.34	17981.1	3.32	16.40
1614+051	7517	1,9	26-aug-1980	26-aug-1980	10.94	6.92	1954.9	0.44	14.80
1614+051	3716	2,9	03-mar-1980	04-mar-1980	44.79	17.87	17981.1	23.97	16.46
1615+324	6319		22-jan-1980	22-jan-1980	179.48	17.09	6412.0	0.14	16.40
1617+175	484	4,7	03-mar-1980	03-mar-1980	115.24	13.07	1755.4	11.85	15.60
1617+175	5350	1	02-mar-1980	03-mar-1980	62.35	8.87	896.6	0.33	16.60
1618+177	484	1	03-mar-1980	03-mar-1980	55.82	9.41	1755.4	0.10	16.80
1618+177	5350	4	02-mar-1980	03-mar-1980	17.76	5.56	896.6	12.30	17.80
1622+268	4053	3	30-aug-1979	30-aug-1979	-1.02	5.26	2934.3	27.79	14.08
1622+268	6679	1,2	04-mar-1980	09-mar-1980	138.45	27.58	51224.9	17.02	16.40
1622+269	6679	7	04-mar-1980	09-mar-1980	-81.86	28.59	51224.9	10.20	15.92
1622+238	495		12-aug-1980	13-aug-1980	26.31	8.68	3067.5	0.07	14.82
1623+271	4053	7	30-aug-1979	30-aug-1979	2.39	5.80	2934.3	17.35	11.81
1623+271	6679	1,9	04-mar-1980	09-mar-1980	74.91	27.71	51224.9	11.87	16.81
1623+269A	4053	9	30-aug-1979	30-aug-1979	14.08	6.85	2934.3	11.51	13.20
1623+269A	6679	1	04-mar-1980	09-mar-1980	420.20	35.11	51224.9	0.39	16.29
1623+269A	5720		25-jan-1980	25-jan-1980	72.24	14.78	7853.9	0.49	16.40
1623+270	6679	1,7	04-mar-1980	09-mar-1980	-65.65	30.79	51224.9	3.37	16.31
1623+270	4053	7	30-aug-1979	30-aug-1979	-15.21	5.18	2934.3	10.51	13.00
1623+269B	4053	7	30-aug-1979	30-aug-1979	-2.14	4.34	2934.3	8.83	13.20
1623+268A	6679	1,7	04-mar-1980	09-mar-1980	-30.19	26.10	51224.9	9.78	16.13
1623+268A	4053		30-aug-1979	30-aug-1979	10.45	7.48	2934.3	7.34	13.28
1623+268B	6679	1,9	04-mar-1980	09-mar-1980	44.68	28.66	51224.9	8.88	16.71
1623+268B	4053		30-aug-1979	30-aug-1979	8.19	7.89	2934.3	5.32	12.80
1623+268C	4053		30-aug-1979	30-aug-1979	-5.59	8.17	2934.3	6.20	12.78
1623+268C	6679	1,7	04-mar-1980	09-mar-1980	-38.30	27.10	51224.9	11.38	16.64
1624+269	4053		30-aug-1979	30-aug-1979	12.76	10.92	2934.3	0.04	12.68
1624+269	6679	1	04-mar-1980	09-mar-1980	-38.62	23.19	51224.9	11.83	17.23
1631+627	4054		25-jul-1979	25-jul-1979	-0.08	2.51	363.4	13.52	18.66
1632+391	2058		15-aug-1979	15-aug-1979	1.59	3.92	1579.3	27.03	17.03
1633+630	4054		25-jul-1979	25-jul-1979	0.10	2.32	363.4	20.86	15.67
1633+382	2058		15-aug-1979	15-aug-1979	18.95	5.61	1579.3	26.43	17.80
1634+628	4054		25-jul-1979	25-jul-1979	4.73	3.53	363.4	8.09	17.60
1634+269	8349		12-aug-1980	13-aug-1980	291.64	23.67	18539.1	5.09	14.40
1634+706	5351		09-nov-1979	06-feb-1981	42.29	9.50	1767.6	0.39	17.35
1635+119	567	1	06-mar-1979	06-mar-1979	296.78	19.82	3708.3	0.16	14.10
1635+119	5425		08-mar-1980	08-mar-1980	433.29	24.95	7427.8	0.32	16.21
1635+630	4054	2	25-jul-1979	25-jul-1979	4.07	4.07	363.4	24.71	17.60
1641+399A	2061		24-jan-1980	24-jan-1980	364.41	20.59	2037.8	0.19	16.38
1641+399A	5694		12-feb-1980	05-mar-1980	638.74	26.88	3280.4	0.19	16.76
1641+399A	2060	1	27-aug-1979	27-aug-1979	303.45	18.61	1960.0	0.12	19.40
1641+399B	2061	1,4	24-jan-1980	24-jan-1980	131.58	13.48	2037.8	3.50	16.00
1641+399B	5694	4	12-feb-1980	05-mar-1980	232.76	17.45	3280.4	3.45	17.19
1655+077	3997		30-aug-1979	30-aug-1979	63.18	9.34	1555.6	0.21	12.60
1656+053	8469		12-mar-1981	12-mar-1981	464.91	24.68	5292.2	0.17	17.20
1659+294	2628		26-feb-1979	26-feb-1979	104.53	10.96	898.0	0.22	16.00
1703+608	510	4,9	05-jan-1979	06-jan-1979	22.35	7.48	1791.4	5.43	13.40
1704+608	510		05-jan-1979	06-jan-1979	81.40	10.95	1791.4	0.18	13.60
1704+608	5716		31-mar-1980	19-jul-1980	88.98	12.42	4112.3	13.07	15.10
1704+608	2062	1	08-apr-1979	08-apr-1979	98.84	12.28	2764.0	0.70	15.78
1704+608	2063		16-jun-1979	16-jun-1979	47.99	9.02	1820.0	0.71	15.80
1704+608	5688		01-jan-1980	03-may-1980	1060.38	43.91	39539.9	0.93	16.35
1704+608	4208		25-jul-1979	25-jul-1979	57.83	10.52	3229.2	10.28	17.36
1720+246	420	4,9	28-mar-1979	28-mar-1979	8.26	4.14	633.0	10.68	16.80
1720+309	2629		26-mar-1979	26-mar-1979	389.28	20.61	1559.5	1.01	14.40
1721+343	3975		26-aug-1979	26-aug-1979	712.62	27.21	1545.4	0.20	19.19
1725+044	4230	4	29-aug-1979	29-aug-1979	41.83	8.80	4153.8	34.02	12.63
1730-130	10080		01-apr-1981	01-apr-1981	96.50	14.47	4809.8	0.29	16.88
1730-130	7173	1	01-sep-1980	17-mar-1981	109.10	14.93	4315.7	0.05	17.60
1730-130	3888		22-sep-1979	22-sep-1979	57.44	9.82	2144.1	0.08	19.00
1739+522	7174		08-apr-1980	09-apr-1980	42.00	9.77	1893.4	0.38	16.31
1746+201	7611	2,4	08-mar-1980	04-mar-1981	-30.54	28.79	33922.8	24.22	16.18
1748+687	2630		27-mar-1979	27-mar-1979	38.02	8.21	2017.7	0.42	16.40
1756+237	5129		10-oct-1979	10-oct-1979	40.92	9.49	3416.5	0.41	17.47
1757+236	10754	4	17-apr-1981	18-apr-1981	0.87	1.00	791.4	10.68	16.00
1757+236	10755	1,4	19-apr-1981	19-apr-1981	113.81	28.91	31952.4	10.50	16.48
1803+676	4265		16-jun-1979	17-jun-1979	596.70	26.60	7125.2	1.05	17.34
1821+107	10422		06-mar-1981	07-mar-1981	97.18	18.59	11062.8	0.23	17.42
1828+487	487		27-apr-1979	27-apr-1979	147.15	12.99	1737.9	0.16	17.20
1833+326	2650		27-mar-1979	27-mar-1979	611.77	25.23	1270.2	0.39	16.81
1845+797	5690		01-jan-1980	03-may-1980	4120.87	67.17	18884.8	0.62	16.17
1936-155	3987	9	22-oct-1979	22-oct-1979	12.91	6.57	1559.7	0.31	18.00
1939-104	354		12-apr-1979	13-apr-1979	1575.53	44.69	26650.1	0.76	12.41
1958-179	7177		26-mar-1981	26-mar-1981	80.82	12.32	2779.5	0.59	16.97
2037-012	8415	4	13-may-1980	15-may-1980	25.69	15.37	15601.3	11.73	15.04
2037+511	2179		25-may-1979	25-may-1979	1.04	1.63	236.1	1.60	12.00

TABLE 2—*Continued*

Name	Seq	Note	Start Obs	End Obs	Counts	Err	Live Time (s)	Off-axis Angle (arcmin)	Gain
2037-005	8415	2,4	13-may-1980	15-may-1980	79.40	22.03	15601.3	28.26	15.65
2038-011	8415	4	13-may-1980	15-may-1980	-30.93	13.88	15601.3	10.71	15.58
2112+059A	8437		08-may-1980	08-may-1980	2.44	5.43	1320.1	0.00	16.40
2112+059B	8437	4	08-may-1980	08-may-1980	3.15	5.02	1320.1	6.04	17.40
2120+168	504	7	08-jun-1980	09-jun-1980	34.09	20.23	6303.6	0.21	14.60
2121+053	2064		13-nov-1979	13-nov-1979	62.92	9.54	1650.4	0.21	19.20
2125-148	528	4,7	19-may-1979	20-may-1979	3.32	11.38	12048.9	8.98	15.78
2126-150A	528	4,9	19-may-1979	20-may-1979	37.86	14.02	12048.9	2.58	14.73
2126-158	5280		08-nov-1979	08-nov-1979	433.44	22.69	4662.3	0.10	18.68
2126-150B	528	4	19-may-1979	20-may-1979	-15.08	12.00	12048.9	8.64	14.60
2128-123	8413		10-may-1980	10-may-1980	532.56	25.16	5850.6	0.24	16.40
2130+099	1971	1	03-may-1980	03-may-1980	486.25	22.89	1429.0	0.98	16.01
2130+099	1972		20-apr-1981	20-apr-1981	822.35	31.73	4986.9	1.04	16.40
2134+004	543		09-may-1980	09-may-1980	154.46	16.80	8528.8	10.35	17.61
2135-147	5426		10-may-1980	13-may-1980	2462.12	52.15	12901.7	0.27	16.07
2135-147	531	1	19-may-1979	19-may-1979	357.35	19.55	1534.2	0.24	18.40
2141+175	4647		22-dec-1980	22-dec-1980	42.88	8.08	1165.6	0.35	13.18
2141+175	9672		23-dec-1980	23-dec-1980	52.09	9.06	1290.6	0.19	13.33
2141+175	9667	1	22-dec-1980	22-dec-1980	52.25	8.92	1292.6	0.23	13.33
2141+175	9668		22-dec-1980	22-dec-1980	47.44	8.52	1272.3	0.51	13.40
2141+037	3958	4	21-may-1979	22-may-1979	-11.59	13.13	11617.8	13.85	11.77
2143+040	3958	4	21-may-1979	22-may-1979	-0.37	0.60	11617.8	18.09	12.99
2143-156	4000		07-nov-1979	07-nov-1979	32.96	6.91	1016.3	0.35	17.20
2145+067	5130		05-may-1980	05-may-1980	154.48	13.32	1557.3	0.27	16.00
2155+034	3959	4	22-may-1979	23-may-1979	-10.73	14.38	11604.3	9.37	11.56
2201+315	3976	1	03-dec-1979	03-dec-1979	169.13	13.70	1263.7	0.20	13.39
2201+315	7182		15-jun-1980	15-jun-1980	172.74	14.04	1626.8	0.38	15.80
2201+171	7483		25-dec-1980	25-dec-1980	93.65	14.96	6157.1	0.32	13.58
2204-408	3722	9	27-oct-1979	27-oct-1979	0.93	9.27	4459.1	4.12	18.68
2206-474	6714		15-may-1980	15-may-1980	4258.82	66.16	1648.8	0.57	16.00
2209+184	8438		15-jun-1980	15-jun-1980	429.65	21.50	1765.7	0.26	15.80
2214+139	2616		17-jun-1979	17-jun-1979	41.33	8.83	2664.1	1.18	17.60
2216-038	2068		24-may-1979	24-may-1979	68.13	10.17	1792.2	0.27	11.80
2221-023	1973	9	25-may-1979	25-may-1979	7.32	4.14	535.5	0.97	11.60
2223-052	519	1	20-may-1979	20-may-1979	196.09	14.64	1200.0	0.45	12.40
2223-052	8022		09-jun-1980	09-jun-1980	222.19	15.90	2125.4	0.29	15.00
2223-052	4646		12-dec-1979	13-dec-1979	2110.33	47.78	8655.5	0.11	16.53
2223+210	5131		03-dec-1979	04-dec-1979	323.17	19.48	3846.6	0.07	13.40
2225-055	4017		24-may-1979	24-may-1979	5.32	4.51	670.1	0.04	11.80
2230+114	7184		21-dec-1980	21-dec-1980	33.17	6.37	252.8	0.45	13.20
2230+114	4042	1	24-nov-1979	04-dec-1979	253.70	17.40	3873.8	10.00	15.19
2232+134	5386	4	04-jan-1981	04-jan-1981	4.68	4.37	1162.4	12.53	12.80
2233+134	5386		04-jan-1981	04-jan-1981	31.64	6.87	1162.4	0.55	12.40
2233+136	5386	4	04-jan-1981	04-jan-1981	-1.13	2.88	1162.4	14.23	12.00
2234+282	10087		29-dec-1980	30-dec-1980	83.93	14.35	7144.8	0.46	13.22
2251+158	3908	1	06-jun-1980	06-jun-1980	256.09	17.03	2120.7	0.31	15.64
2251+158	492		06-jun-1980	06-jun-1980	204.91	15.31	1968.2	0.26	15.80
2251+113	2072		21-dec-1980	21-dec-1980	7.62	3.75	1068.0	9.99	13.00
2251+113	2073	1	15-jun-1980	15-jun-1980	6.78	5.98	2291.2	9.95	16.20
2253+417	5144	4	10-jun-1980	10-jun-1980	51.97	10.82	6575.8	21.17	15.40
2254+024	4024		02-dec-1979	04-dec-1979	65.35	14.23	10063.9	0.23	15.14
2255+416	5144		10-jun-1980	10-jun-1980	64.61	12.67	6575.8	0.38	15.68
2300+086	1978		20-dec-1980	20-dec-1980	1961.43	45.14	1991.0	0.28	13.60
2300+086	1977	1	19-jun-1980	19-jun-1980	1673.23	41.48	1938.6	0.44	13.81
2301+223	2617		21-jun-1979	21-jun-1979	52.48	8.39	1510.5	1.53	16.40
2305+187	3977		01-jan-1980	01-jan-1980	95.42	10.66	1514.5	0.03	17.80
2316-000	6719		20-jun-1980	20-jun-1980	428.37	21.61	2539.5	0.57	15.77
2344+092	538		28-jun-1979	28-jun-1979	49.88	8.29	1097.9	0.58	17.02
2345-167	2076		05-dec-1979	05-dec-1979	34.81	7.03	1385.3	6.36	12.20
2345-167	2077	1	21-jun-1980	21-jun-1980	58.24	9.34	1972.6	6.75	16.65
2345+184	1982	9	12-jun-1980	13-jun-1980	8.61	5.89	2086.1	0.26	15.81
2345+184	1981	1	28-jun-1979	28-jun-1979	19.38	6.30	1530.2	0.18	16.60
2348-014	5387	4	07-jan-1981	07-jan-1981	2.79	5.65	1762.2	6.79	13.17
2349-014	5387		07-jan-1981	07-jan-1981	464.97	23.05	1762.2	0.53	12.40
2349-015	5387	4	07-jan-1981	07-jan-1981	0.45	0.87	1762.2	6.70	12.09
2353+072A	3167		09-jul-1979	09-jul-1979	58.09	9.21	2235.8	0.50	13.00
2353+072B	2651	4	20-jun-1980	20-jun-1980	23.31	7.60	2417.3	7.30	15.39
2357-348	4268		21-may-1979	21-may-1979	53.71	12.69	5966.8	0.26	12.80

[a] This table is also published in computer-readable form in the AAS CD-ROM Series, Vol. 2.

NOTES.—(1) Data set used in subsequent analysis when multiple X-ray observations exist. (2) Special processing due to obscuration, half circle. (3) Special processing due to obscuration, 3/4 circle. (4) Not target. (5) X-ray position >1′ from optical. (6)Net counts unreliable. (7) Special processing for nearby contaminating source. (8) TON 156 is ~30″ away; flux upper limit for TON 155 calculated first due to closer positional agreement with potential IPC source. (9) Marginal detection: >3 σ in detection process, but net counts in circle less than 3 times the uncertainty in this quantity. (10) <3 σ detection if Poisson statistics are used.

low); these 10 instances are indicated as unreliable with a 6 in the Note column of Table 2.

After this work was essentially complete a problem was found in the IPC software used to convert counts from pulse-height (PH) to PI bins. This error enters through a roll-angle calculation, so sources near the telescope/detector axis are affected only slightly. For the sources more than a few arcminutes off-axis, we determined the effect of this error on our results by making a comparison of a random subset of quasars with and without the error corrected. We found that for $\sim\frac{2}{3}$ of the objects, an additional uncertainty of ≤4% is introduced by the use of inaccurate local gain factors in the conversion from broad-band PH to broad-band PI counts. For the remaining one-third, the additional uncertainty is ~4%–7% (although in the case of one marginal detection, we found a change of ~30%). In all cases, the changes were less than 0.8 σ, and this additional uncertainty has only a negligible effect on any of our subsequent analyses. Similarly, we would also expect a few of the objects around our detection threshold to change their detection status.

For estimating the fluxes, we corrected the net source counts for counts lost due to mirror scattering, the telescope/IPC point-spread function (PSF), vignetting, and detector dead time (generally ~4%). The effects of mirror scattering and energy-dependent vignetting were removed using the effective-area table appropriate for a 3′ radius circle as a function of its off-axis distance (Harnden et al. 1984). The fraction of counts lost due to the PSF is a strong function of their pulse height and thus differs among sources. In most cases this correction was made to the counts in each individual pulse height (PH) channel before converting to pulse-height invariant (PI) bins and combining them to compute the flux. The percentage correction computed in this way is strongly peaked at 1.8%. Tables 3A, 3B, and 3C list the broad-band and monochromatic X-ray fluxes or 3 σ upper limits (in the observer's energy frame), derived from the quoted count rates corrected as described above. Fluxes were computed assuming Galactic absorption, and a power-law energy distribution ($F_\nu \propto \nu^{-\alpha_x}$) for $\alpha_x = 0.0$, 0.5, 1.0, 1.5, 2.0, respectively. This set covers the range of slopes typically found in the IPC energy band for quasars (Wilkes & Elvis 1987).

Galactic N_H values were determined by interpolation from the Bell Laboratories survey (Stark et al. 1992) and were set for each IPC field based upon the coordinates of the center of the IPC field.[7] For southern quasar positions, which are not covered by this survey (typically $\delta < -42°$), the maps of Heiles & Cleary (1979) were used, as noted with a 1 in the Note column of Table 3A.

Statistical errors on the fluxes and luminosities can be derived from the fractional error in the count rate (Table 2). Errors due to the uncertainty in the spectral slope can be estimated from the range of flux present in Tables 3A–3C. For X-ray nondetections the 3 σ upper limits on fluxes and luminosities given in Tables 3A–3C are derived conservatively from the data in Table 2, using [max (0, counts) + 3∗Err] as the count rate. We have used a Friedmann cosmology with Hubble constant of $H_0 = 50$ km s^{-1} Mpc^{-1} and deceleration parameter of $q_0 = 0.0$ to compute luminosities. In Tables 3A–3C, X-ray luminosities for the 0.2–4.5 keV band and 2 keV monochromatic are referenced to the source energy frame.

[7] N.B. Thus all objects in a given field will use the same N_H, but two different observations of the same object may have slightly different N_H values. The difference is always well within the uncertainties.

3.2. *Quasar Positions Close to a Nearby, Contaminating Source*

Sample objects with X-ray sources detected less than 6′ away were individually inspected to determine the significance of contamination introduced by the nearby source. If contamination was found to be insignificant (<5% of the total counts from the nearby source falling within a 3′ radius circle centered the quasar position), as was usually the case for separations greater than 4′, the processing was resumed as normal. Objects suffering significant contamination from a single nearby source were processed as described below. Those with significant contamination from more than one nearby source were not processed and are listed in Table 5 (see below).

For objects contaminated by a single source, a circle was centered on the target and another circle with a 3′ radius was centered on the contaminating source. Counts were determined for the target and contaminating source 3′ circles excluding the region of geometric overlap (C_1, C_2), and counts were also determined for the overlap region (C_3; see Fig. 1). Background counts were then determined for identical regions of the background map, B_1, B_2, B_3, and net broad-band counts in the three regions N_1, N_2, N_3. The fraction of source counts in the overlap region is primarily a function of the point response and therefore depends on geometry and photon energy. Using a maximum-likelihood formulation assuming Poisson distributions for each region and treating the fraction of the source counts in the overlap region as a parameter to be fitted allows us to make preliminary estimates of the source counts S_1, S_2 from the target object and contaminating source, respectively:

$$S_1 = N_1 + \frac{N_1 N_3}{N_1 + N_2} \quad (3)$$

$$S_2 = N_2 + \frac{N_2 N_3}{N_1 + N_2} . \quad (4)$$

The error σ_1, representing 68% confidence with the formulation above, for the target source is given by

$$\sigma_1 = \frac{\sqrt{C_1[(N_1 + N_2)^2 + N_2N_3]^2 + C_3N_1^2(N_1 + N_2)^2 + C_2N_1^2N_3^2}}{(N_1 + N_2)^2} , \quad (5)$$

where we have assumed that the uncertainty in the background counts (B_1, B_2, B_3) is negligible. The maximum-likelihood calculation was used to determine source existence ($S_1 \geq 3\ \sigma_1$) as well as to estimate source intensity.

The estimate for quasar counts does not take into account the ~1.8% of the counts falling outside a 3′ circle, some of which will fall in the neighboring source circle and thereby

TABLE 3A

FLUXES AND LUMINOSITIES FOR ENERGY INDEX OF 0.0[a]

Name	Seq	N_H(gal) (cm^{-2})	Note	Flux Density (1 keV) ergs $cm^{-2}s^{-1}Hz^{-1}$	Flux (0.16-3.5 keV) ergs $cm^{-2}s^{-1}$	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV, ℓ_x) ergs $s^{-1}Hz^{-1}$
0002-422	4247	1.700e+20	1	<7.945e-31	<6.4e-13	<4.1e+46	<3.9e+28
0003+158	5360	3.860e+20		6.119e-30	4.9e-12	5.7e+45	5.5e+27
0007-000	8450	3.042e+20		<7.143e-31	<5.8e-13	<2.4e+46	<2.3e+28
0007+106	10125	5.851e+20		4.245e-30	3.4e-12	1.5e+44	1.4e+26
0007+106	6718	5.853e+20		1.715e-29	1.4e-11	6.1e+44	5.9e+26
0007+106	2634	5.853e+20		3.599e-29	2.9e-11	1.3e+45	1.2e+27
0007+171	3999	3.940e+20		7.408e-31	6.0e-13	1.1e+46	1.0e+28
0009-016	8451	3.355e+20		<2.986e-31	<2.4e-13	<7.1e+45	<6.9e+27
0013-004	8453	2.948e+20		<3.408e-31	<2.8e-13	<9.0e+45	<8.7e+27
0014+166	5361	4.129e+20		<2.974e-31	<2.4e-13	<1.3e+43	<1.3e+25
0014+318	2718	5.434e+20	3	6.162e-31	5.0e-13	3.7e+45	3.6e+27
0014+159	7597	4.133e+20		<1.232e-31	<9.9e-14	<3.7e+45	<3.5e+27
0014+159	6834	4.123e+20		<1.876e-31	<1.5e-13	<5.6e+45	<5.4e+27
0015+155	6834	4.123e+20		<2.715e-31	<2.2e-13	<9.0e+45	<8.7e+27
0016+731	7583	2.331e+21		7.202e-31	5.8e-13	1.3e+46	1.3e+28
0017+154	505	4.080e+20		2.332e-31	1.9e-13	5.6e+45	5.4e+27
0019+011	8452	2.830e+20		<3.736e-31	<3.0e-13	<1.0e+46	<9.8e+27
0019+011	5114	2.830e+20		<9.808e-31	<7.9e-13	<2.7e+46	<2.6e+28
0026+129	5417	4.617e+20		1.079e-29	8.7e-12	9.8e+44	9.4e+26
0026+129	9551	4.617e+20		1.094e-29	8.8e-12	9.9e+44	9.5e+26
0026+129	518	4.538e+20		1.099e-29	8.9e-12	1.0e+45	9.6e+26
0026+129	9550	4.617e+20		1.103e-29	8.9e-12	1.0e+45	9.6e+26
0026+129	9553	4.617e+20		1.150e-29	9.3e-12	1.0e+45	1.0e+27
0026+129	9552	4.617e+20		1.262e-29	1.0e-11	1.1e+45	1.1e+27
0037-018	5393	2.877e+20		<4.509e-31	<3.6e-13	<1.6e+46	<1.5e+28
0038-020	5393	2.877e+20		7.421e-31	6.0e-13	5.3e+45	5.1e+27
0043+008	4020	2.257e+20		<5.023e-31	<4.1e-13	<1.4e+46	<1.4e+28
0044+030	5362	2.996e+20		1.226e-30	9.9e-13	2.3e+45	2.2e+27
0049+171	8431	4.311e+20		1.748e-29	1.4e-11	3.2e+44	3.1e+26
0049+007	8454	4.690e+20	3	1.304e-32	1.1e-14	4.2e+44	4.0e+26
0049+014	8455	2.823e+20		3.326e-31	2.7e-13	1.1e+46	1.1e+28
0050+124	2632	4.977e+20		1.747e-29	1.4e-11	2.9e+44	2.8e+26
0051+291	5123	5.789e+20		1.017e-30	8.2e-13	2.0e+46	1.9e+28
0051+146	541	4.816e+20		<2.646e-31	<2.1e-13	<1.0e+45	<9.6e+26
0052+145	541	4.816e+20		<2.672e-31	<2.2e-13	<1.1e+45	<1.1e+27
0052+251	5334	4.717e+20		1.128e-29	9.1e-12	1.2e+45	1.2e+27
0054+144	4248	4.532e+20		5.174e-30	4.2e-12	6.8e+44	6.5e+26
0054+144	5418	4.532e+20		5.251e-30	4.2e-12	6.9e+44	6.6e+26
0055+004	8456	3.151e+20		<5.600e-31	<4.5e-13	<1.2e+46	<1.2e+28
0056-001	3995	3.072e+20		1.332e-30	1.1e-12	3.3e+45	3.2e+27
0057+315	2619	5.556e+20		4.989e-29	4.0e-11	5.0e+43	4.8e+25
0058+019	2717	2.985e+20		<1.969e-30	<1.6e-12	<4.5e+46	<4.3e+28
0100+130	2009	4.028e+20		<5.404e-31	<4.4e-13	<2.6e+46	<2.5e+28
0106+013	2011	2.947e+20		1.138e-30	9.2e-13	3.1e+46	3.0e+28
0109+022	8458	3.091e+20		<3.672e-31	<3.0e-13	<1.3e+46	<1.2e+28
0112-017	5394	4.261e+20		1.144e-30	9.2e-13	1.1e+46	1.1e+28
0115-011	8459	3.976e+20		<2.264e-31	<1.8e-13	<6.7e+45	<6.4e+27
0117+213	5354	4.855e+20		<2.108e-30	<1.7e-12	<2.6e+46	<2.5e+28
0119+041	3254	3.365e+20	3	1.075e-30	8.7e-13	2.1e+45	2.0e+27
0119-013	2633	3.932e+20		2.919e-30	2.4e-12	3.8e+43	3.7e+25
0119-046	5124	4.011e+20		<1.234e-30	<1.0e-12	<2.8e+46	<2.7e+28
0119+229	8427	5.767e+20		<5.551e-31	<4.5e-13	<7.0e+42	<6.7e+24
0121-590	523	2.900e+20	1	9.853e-29	8.0e-11	8.9e+44	8.6e+26
0122-380	4003	1.810e+20		<7.176e-31	<5.8e-13	<2.1e+46	<2.0e+28
0126+030	8460	2.868e+20		<2.465e-31	<2.0e-13	<3.6e+45	<3.5e+27
0128+074	8332	4.327e+20		<4.202e-31	<3.4e-13	<2.9e+44	<2.8e+26
0130+033	4249	2.961e+20		1.339e-30	1.1e-12	8.1e+44	7.8e+26
0130-403	2578	1.657e+20		<3.253e-31	<2.6e-13	<2.1e+46	<2.0e+28
0130-406	2578	1.657e+20		<1.206e-31	<9.7e-14	<4.4e+45	<4.2e+27
0131-404A	2578	1.657e+20	3	6.249e-32	5.0e-14	7.5e+44	7.2e+26
0131+037	4249	2.961e+20		1.368e-30	1.1e-12	4.0e+44	3.9e+26
0131-409B	2578	1.657e+20		2.242e-31	1.8e-13	7.9e+45	7.6e+27
0131-409A	2578	1.657e+20		<1.287e-31	<1.0e-13	<1.2e+45	<1.2e+27
0132-408	2578	1.657e+20		<1.160e-31	<9.4e-14	<4.3e+45	<4.2e+27
0133+207	5419	5.761e+20		4.799e-30	3.9e-12	4.0e+45	3.8e+27
0133+207	482	5.761e+20		6.845e-30	5.5e-12	5.7e+45	5.5e+27
0133+207	540	5.761e+20		9.316e-30	7.5e-12	7.8e+45	7.5e+27
0134+033	513	3.068e+20		<2.051e-31	<1.7e-13	<5.7e+42	<5.5e+24
0134+329	480	4.446e+20		5.089e-30	4.1e-12	3.1e+45	3.0e+27
0135-247	3996	1.200e+20		1.753e-30	1.4e-12	5.9e+45	5.7e+27
0137+060	4250	3.678e+20	3	2.240e-31	1.8e-13	1.6e+44	1.6e+26
0137-010	4251	3.011e+20		1.687e-30	1.4e-12	8.6e+44	8.3e+26
0140-306	3719	1.695e+20		<1.986e-31	<1.6e-13	<1.4e+46	<1.3e+28
0143-015	3718	2.963e+20	3	5.639e-32	4.6e-14	4.0e+45	3.8e+27
0143-010	3714	1.365e+20		<3.184e-31	<2.6e-13	<2.3e+46	<2.2e+28
0145+042	5115	3.748e+20		<3.186e-31	<2.6e-13	<7.9e+45	<7.6e+27
0146+017	3727	2.825e+20		<2.179e-31	<1.8e-13	<1.3e+46	<1.2e+28
0149-397	4021	1.616e+20		<3.300e-31	<2.7e-13	<8.4e+45	<8.1e+27
0151+045	8333	4.198e+20		5.698e-31	4.6e-13	4.3e+44	4.1e+26
0157+001	5335	2.036e+20		2.136e-30	1.7e-12	2.6e+44	2.5e+26
0159+036	8461	3.916e+20	3	1.457e-31	1.2e-13	5.6e+45	5.3e+27
0203+151A	7614	6.092e+20	3	1.136e-32	9.2e-15	2.7e+44	2.6e+26
0203+151B	7614	6.092e+20	3	5.814e-32	4.7e-14	2.4e+45	2.3e+27
0203+150	7614	6.092e+20		1.629e-31	1.3e-13	4.4e+45	4.2e+27
0203+152	7614	6.092e+20		<2.042e-31	<1.6e-13	<6.8e+45	<6.5e+27
0205+024	3978	3.295e+20		8.382e-30	6.8e-12	9.1e+44	8.7e+26
0205-379	5388	1.523e+20	3	1.272e-31	1.0e-13	4.7e+45	4.5e+27
0205+150	7614	6.092e+20		<1.479e-31	<1.2e-13	<5.4e+45	<5.2e+27
0207-003	8462	2.573e+20		<2.706e-31	<2.2e-13	<1.5e+46	<1.4e+28
0207-398	4253	1.530e+20		3.511e-31	2.8e-13	1.9e+46	1.8e+28
0210+860	562	7.605e+20		7.560e-31	6.1e-13	1.2e+44	1.1e+26
0210+860	2682	7.604e+20		<8.389e-31	<6.8e-13	<1.3e+44	<1.2e+26
0212-009	4470	3.288e+20		1.883e-29	1.5e-11	6.1e+43	5.9e+25
0212+735	7584	2.687e+21		4.066e-30	3.3e-12	1.4e+47	1.4e+29
0219+428	2709	7.505e+20	3	2.164e-30	1.7e-12	2.0e+45	1.9e+27

TABLE 3A—*Continued*

Name	Seq	N_H(gal) (cm^{-2})	Note	Flux Density (1 keV) ergs $cm^{-2}s^{-1}Hz^{-1}$	Flux (0.16-3.5 keV) ergs $cm^{-2}s^{-1}$	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV, ℓ_x) ergs $s^{-1}Hz^{-1}$
0225+310	6705	7.203e+20		1.586e-29	1.3e-11	1.8e+43	1.7e+25
0225-014	5118	2.661e+20	3	1.462e-31	1.2e-13	3.6e+45	3.5e+27
0226-038	4022	2.348e+20		1.014e-30	8.2e-13	2.6e+46	2.5e+28
0229+131	3257	8.802e+20		9.555e-31	7.7e-13	2.5e+46	2.4e+28
0229+341	5142	5.843e+20		<2.817e-31	<2.3e-13	<2.3e+45	<2.2e+27
0232-090	3143	3.027e+20		2.365e-29	1.9e-11	2.0e+44	1.9e+26
0234+285	3258	8.148e+20		1.462e-30	1.2e-12	1.1e+46	1.1e+28
0237-027	3259	3.085e+20		8.402e-31	6.8e-13	5.4e+45	5.2e+27
0237+040	7185	4.426e+20		8.919e-31	7.2e-13	4.3e+45	4.1e+27
0237-233	2705	2.397e+20		2.057e-30	1.7e-12	6.3e+46	6.0e+28
0237-233	2013	2.303e+20		2.112e-30	1.7e-12	6.5e+46	6.2e+28
0237-233	2014	2.397e+20		2.395e-30	1.9e-12	7.3e+46	7.0e+28
0238+069	3466	7.410e+20		8.283e-30	6.7e-12	2.9e+43	2.8e+25
0242-410	4033	2.500e+20	1	<1.309e-31	<1.1e-13	<4.0e+45	<3.8e+27
0246+190	2661	9.284e+20		1.321e-30	1.1e-12	5.7e+42	5.5e+24
0254-404	5389	1.726e+20		<1.042e-30	<8.4e-13	<3.4e+46	<3.3e+28
0306+169	7790	9.990e+20		<3.831e-31	<3.1e-13	<1.1e+46	<1.0e+28
0307+169	1929	9.990e+20	3	2.374e-31	1.9e-13	7.0e+43	6.8e+25
0307+169	1930	9.990e+20		<2.100e-30	<1.7e-12	<6.2e+44	<6.0e+26
0312-770	5401	6.800e+20	1	6.193e-30	5.0e-12	1.4e+45	1.3e+27
0333+321	3886	1.354e+21		9.840e-30	7.9e-12	8.2e+46	7.9e+28
0336-019	3261	6.879e+20	3	4.490e-31	3.6e-13	1.6e+45	1.5e+27
0336-019	7162	6.879e+20		8.965e-31	7.2e-13	3.2e+45	3.1e+27
0340+048	5116	1.219e+21		1.437e-30	1.2e-12	8.4e+44	8.1e+26
0400+258	7164	7.866e+20		<4.327e-31	<3.5e-13	<1.2e+46	<1.1e+28
0400+258	3994	7.866e+20		<5.304e-31	<4.3e-13	<1.4e+46	<1.4e+28
0403-132	9528	3.731e+20		2.050e-30	1.7e-12	3.1e+45	3.0e+27
0403-132	7629	3.731e+20		2.749e-30	2.2e-12	4.2e+45	4.1e+27
0405-123	3906	3.737e+20		7.918e-30	6.4e-12	1.2e+46	1.2e+28
0405-123	3907	3.737e+20		9.343e-30	7.5e-12	1.4e+46	1.4e+28
0409+229	8978	1.279e+21	3	2.845e-31	2.3e-13	2.2e+45	2.1e+27
0410+110	1935	1.444e+21		4.093e-30	3.3e-12	1.7e+45	1.7e+27
0410+110	1936	1.444e+21		4.875e-30	3.9e-12	2.1e+45	2.0e+27
0414-060	521	5.122e+20		2.841e-30	2.3e-12	8.4e+45	8.1e+27
0415+379	2669	2.872e+21		1.892e-29	1.5e-11	2.0e+44	1.9e+26
0418-550	1938	1.400e+20	1	7.819e-30	6.3e-12	5.6e+41	5.4e+23
0418-550	1937	1.400e+20	1	1.248e-29	1.0e-11	8.9e+41	8.6e+23
0420-388	4008	2.073e+20	3	4.676e-31	3.8e-13	3.2e+46	3.1e+28
0420-388	3721	2.073e+20		6.453e-31	5.2e-13	4.5e+46	4.3e+28
0420-014	2016	7.775e+20		3.103e-30	2.5e-12	1.3e+46	1.2e+28
0420-014	2015	7.775e+20		4.706e-30	3.8e-12	2.0e+46	1.9e+28
0424-131	4029	4.279e+20		2.173e-31	1.8e-13	6.2e+45	6.0e+27
0430+052	351	1.064e+21		3.380e-29	2.7e-11	1.6e+44	1.6e+26
0430+052	1939	1.064e+21		3.573e-29	2.9e-11	1.7e+44	1.7e+26
0430+052	350	1.064e+21		5.867e-29	4.7e-11	2.9e+44	2.7e+26
0434-104	2640	6.377e+20		1.585e-29	1.3e-11	8.7e+43	8.4e+25
0438-166	3558	4.529e+20		<7.872e-32	<6.4e-14	<1.8e+45	<1.7e+27
0438-166	3557	4.571e+20		<1.298e-31	<1.0e-13	<3.0e+45	<2.8e+27
0438-436	4011	1.400e+20	1	1.059e-30	8.6e-13	5.9e+46	5.7e+28
0439-164	3557	4.571e+20	3	5.251e-32	4.2e-14	1.6e+45	1.5e+27
0440-003	2018	6.795e+20		<8.789e-31	<7.1e-13	<3.1e+45	<3.0e+27
0440-003	2017	6.795e+20		<9.700e-31	<7.8e-13	<3.4e+45	<3.3e+27
0454-234	7165	2.709e+20		8.283e-31	6.7e-13	4.2e+45	4.1e+27
0458-020	7166	6.574e+20		8.488e-31	6.9e-13	2.8e+46	2.7e+28
0513-002	2641	9.709e+20		4.968e-29	4.0e-11	2.4e+44	2.3e+26
0518+165	489	2.393e+21		7.388e-31	6.0e-13	2.1e+45	2.0e+27
0518-458	2670	2.720e+20	2	1.867e-29	1.5e-11	9.7e+43	9.3e+25
0528-250	4014	2.089e+20		<6.233e-31	<5.0e-13	<3.2e+46	<3.1e+28
0537-441	7499	3.900e+20	1	1.541e-30	1.2e-12	6.1e+45	5.9e+27
0537-441	547	3.900e+20	1	2.396e-30	1.9e-12	9.5e+45	9.1e+27
0537-286	3720	2.082e+20		1.568e-30	1.3e-12	1.1e+47	1.0e+29
0538+498	483	2.168e+21		7.269e-31	5.9e-13	1.0e+45	9.7e+26
0605-085	10684	2.194e+21		1.197e-30	9.7e-13	4.5e+45	4.3e+27
0605-085	7287	2.194e+21		1.984e-30	1.6e-12	7.4e+45	7.1e+27
0605-085	7288	2.194e+21		2.118e-30	1.7e-12	7.9e+45	7.6e+27
0607-157	7289	1.414e+21		8.415e-31	6.8e-13	4.0e+44	3.9e+26
0637-752	8494	8.400e+20	1	8.349e-30	6.7e-12	1.7e+46	1.6e+28
0637-752	5404	8.400e+20	1	1.260e-29	1.0e-11	2.6e+46	2.5e+28
0642+449	3712	1.098e+21		1.189e-30	9.6e-13	1.0e+47	9.8e+28
0655+542	2621	6.284e+20		9.780e-30	7.9e-12	8.5e+43	8.1e+25
0710+118	490	1.097e+21		8.382e-31	6.8e-13	2.4e+45	2.3e+27
0730+659	5226	4.148e+20		<3.285e-31	<2.7e-13	<7.3e+45	<7.0e+27
0732+588	2607	4.759e+20		6.944e-30	5.6e-12	4.7e+43	4.5e+25
0736+017	2019	6.287e+20		2.737e-30	2.2e-12	4.5e+44	4.3e+26
0736+017	2020	6.287e+20		2.992e-30	2.4e-12	4.9e+44	4.7e+26
0738+313	3993	4.759e+20		1.155e-30	9.3e-13	2.2e+45	2.1e+27
0740+380	499	5.707e+20		9.528e-31	7.7e-13	5.5e+45	5.3e+27
0752+393	2622	5.206e+20		8.720e-30	7.0e-12	4.5e+43	4.3e+25
0758+143	8979	3.475e+20		3.617e-31	2.9e-13	2.7e+45	2.6e+27
0802+103	10181	2.734e+20		2.844e-31	2.3e-13	6.4e+45	6.2e+27
0802+103	2711	2.733e+20		<5.206e-31	<4.2e-13	<1.2e+46	<1.1e+28
0804+761	5336	2.980e+20		1.772e-29	1.4e-11	7.9e+44	7.6e+26
0805+046	2021	3.536e+20	3	2.197e-31	1.8e-13	1.2e+46	1.2e+28
0805+046	2022	3.536e+20		<3.993e-31	<3.2e-13	<2.3e+46	<2.2e+28
0805+047	2022	3.536e+20		<3.322e-31	<2.7e-13	<8.5e+45	<8.2e+27
0809+483	493	4.571e+20		3.910e-31	3.2e-13	1.5e+45	1.4e+27
0824+110	5125	3.647e+20		3.972e-31	3.2e-13	1.3e+46	1.2e+28
0827+243	3264	3.520e+20		8.819e-31	7.1e-13	3.9e+45	3.7e+27
0833+654	501	4.336e+20		9.296e-31	7.5e-13	5.9e+45	5.7e+27
0834-201	7296	7.642e+20		1.048e-30	8.5e-13	5.3e+46	5.1e+28
0834-201	7297	7.642e+20		1.336e-30	1.1e-12	6.8e+46	6.5e+28
0834+654	6964	4.350e+20	3	3.544e-32	2.9e-14	1.1e+45	1.0e+27
0835+580	503	4.742e+20		4.981e-31	4.0e-13	6.5e+45	6.2e+27
0835+583	503	4.742e+20		<1.786e-31	<1.4e-13	<1.1e+46	<1.1e+28
0836+654	6964	4.350e+20		<1.750e-31	<1.4e-13	<3.7e+45	<3.6e+27
0837-120	8933	5.912e+20		1.489e-29	1.2e-11	2.6e+45	2.5e+27
0838+133A	486	4.064e+20		1.291e-30	1.0e-12	2.9e+45	2.8e+27
0838+770	5363	1.895e+20		1.832e-30	1.5e-12	1.4e+44	1.4e+26

TABLE 3A—*Continued*

Name	Seq	N_H(gal) (cm^{-2})	Note	Flux Density (1 keV) ergs $cm^{-2}s^{-1}Hz^{-1}$	Flux (0.16-3.5 keV) ergs $cm^{-2}s^{-1}$	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs $s^{-1}Hz^{-1}$
0838+131	486	4.064e+20		<3.278e-31	<2.6e-13	<6.8e+45	<6.5e+27
0838+133B	486	4.064e+20		<1.822e-31	<1.5e-13	<3.4e+45	<3.3e+27
0843+161	5364	3.017e+20		<4.209e-31	<3.4e-13	<1.5e+45	<1.5e+27
0843+349	5337	3.223e+20		<4.136e-31	<3.3e-13	<5.7e+45	<5.5e+27
0844+349	5337	3.223e+20		5.965e-30	4.8e-12	1.1e+44	1.1e+26
0848+155	2026	3.122e+20	3	2.321e-31	1.9e-13	5.6e+45	5.4e+27
0848+155	2025	3.122e+20		<9.422e-31	<7.6e-13	<2.3e+46	<2.2e+28
0848+163	3979	3.009e+20		<5.519e-31	<4.5e-13	<1.2e+46	<1.2e+28
0850+140	500	3.535e+20		7.103e-31	5.7e-13	4.5e+45	4.3e+27
0855+188	2028	3.169e+20		<2.281e-31	<1.8e-13	<1.2e+45	<1.1e+27
0855+188	2027	3.169e+20		<3.933e-31	<3.2e-13	<2.0e+45	<2.0e+27
0859-140	3905	5.742e+20		8.243e-31	6.7e-13	7.7e+45	7.4e+27
0859-140	3904	5.742e+20		1.839e-30	1.5e-12	1.7e+46	1.7e+28
0859-140	3903	5.742e+20		2.041e-30	1.6e-12	1.9e+46	1.8e+28
0903+169	481	3.650e+20		2.043e-30	1.7e-12	1.6e+45	1.5e+27
0906+430	2685	1.497e+20		1.181e-30	9.5e-13	2.5e+45	2.4e+27
0906+015	2029	3.121e+20		1.340e-30	1.1e-12	7.0e+45	6.7e+27
0906+015	2030	3.121e+20		1.411e-30	1.1e-12	7.4e+45	7.1e+27
0906+484	3962	1.685e+20	3	5.060e-31	4.1e-13	3.2e+43	3.0e+25
0910+403	1941	1.745e+20	3	4.017e-31	3.2e-13	1.8e+45	1.7e+27
0915+165	3467	3.346e+20		1.497e-29	1.2e-11	5.6e+43	5.4e+25
0923+201	5365	3.842e+20		1.719e-30	1.4e-12	2.8e+44	2.7e+26
0923+129	6708	3.516e+20		1.332e-29	1.1e-11	5.0e+43	4.8e+25
0923+392	554	1.488e+20		4.375e-30	3.5e-12	1.0e+46	9.9e+27
0927+217	5229	3.398e+20		<5.999e-31	<4.8e-13	<1.4e+46	<1.4e+28
0934+013	2642	4.079e+20		7.991e-30	6.5e-12	8.9e+43	8.6e+25
0937+391	8409	1.557e+20		1.094e-30	8.8e-13	2.0e+45	1.9e+27
0938+117A	530	3.037e+20		<9.800e-32	<7.9e-14	<3.2e+45	<3.1e+27
0938+120A	530	3.037e+20		<1.916e-31	<1.5e-13	<4.6e+45	<4.4e+27
0938+120B	530	3.037e+20		<3.186e-31	<2.6e-13	<1.2e+46	<1.1e+28
0938+117B	530	3.037e+20		<2.947e-31	<2.4e-13	<8.8e+45	<8.5e+27
0939+121	530	3.037e+20		<2.750e-31	<2.2e-13	<5.1e+45	<4.9e+27
0939+117	530	3.037e+20		<2.739e-31	<2.2e-13	<5.8e+45	<5.6e+27
0945+076	1943	2.912e+20		1.183e-30	9.5e-13	3.9e+43	3.8e+25
0953+254	3265	2.735e+20		1.083e-30	8.7e-13	2.6e+45	2.5e+27
0955+326	2712	1.652e+20		<1.006e-30	<8.1e-13	<1.3e+45	<1.3e+27
0958+290	2687	1.978e+20	3	1.863e-31	1.5e-13	2.9e+43	2.8e+25
0959-443	5405	1.360e+21	2	1.708e-30	1.4e-12	5.9e+45	5.6e+27
1001+054	3963	2.264e+20		<4.027e-31	<3.3e-13	<4.7e+43	<4.5e+25
1004-217	5406	5.386e+20		<1.087e-30	<8.8e-13	<5.4e+44	<5.2e+26
1004+130	563	3.765e+20		<3.259e-31	<2.6e-13	<8.6e+43	<8.2e+25
1008+133	5367	3.841e+20		<4.673e-31	<3.8e-13	<4.0e+45	<3.9e+27
1011+250	2031	2.361e+20		1.750e-30	1.4e-12	2.6e+46	2.5e+28
1011-282	5407	5.727e+20		2.876e-30	2.3e-12	8.3e+44	8.0e+26
1011-040	8432	3.680e+20		<5.263e-31	<4.2e-13	<7.9e+42	<7.6e+24
1017+203	913	2.429e+20		<3.066e-31	<2.5e-13	<8.2e+45	<7.9e+27
1020-103	3964	4.820e+20		5.518e-30	4.5e-12	9.7e+44	9.3e+26
1020+201	1945	2.250e+20		5.802e-30	4.7e-12	2.3e+41	2.2e+23
1020+201	1946	2.250e+20		2.655e-29	2.1e-11	1.1e+42	1.0e+24
1028+313	4256	1.860e+20		9.084e-30	7.3e-12	1.3e+45	1.2e+27
1028+290	2644	1.927e+20		1.048e-29	8.5e-12	1.7e+44	1.6e+26
1038+064	5126	2.803e+20		4.300e-30	3.5e-12	3.7e+46	3.5e+28
1040+123	497	2.860e+20		1.393e-30	1.1e-12	7.5e+45	7.2e+27
1048-090	5369	2.960e+20		5.702e-30	4.6e-12	3.1e+45	3.0e+27
1050-184	5408	3.944e+20		7.335e-31	5.9e-13	1.0e+45	9.8e+26
1054-034	4025	3.665e+20		<2.629e-31	<2.1e-13	<7.1e+45	<6.9e+27
1058+726	5230	3.130e+20		1.241e-30	1.0e-12	8.0e+44	7.7e+26
1100+772	478	3.311e+20		7.494e-30	6.1e-12	3.3e+45	3.2e+27
1100-264	4002	5.501e+20		6.353e-31	5.1e-13	1.8e+46	1.7e+28
1103+728	1948	2.968e+20		2.012e-30	1.6e-12	7.3e+41	7.0e+23
1103+728	1947	2.968e+20		6.937e-30	5.6e-12	2.5e+42	2.4e+24
1111+408	488	1.867e+20		1.992e-30	1.6e-12	5.2e+45	5.0e+27
1113+182	3927	1.452e+20		<1.823e-31	<1.5e-13	<3.9e+45	<3.7e+27
1114+183	3927	1.452e+20		<2.841e-31	<2.3e-13	<6.0e+45	<5.8e+27
1115+080	5355	3.692e+20		1.213e-30	9.8e-13	2.0e+46	2.0e+28
1116+215	5339	1.284e+20		9.840e-30	7.9e-12	1.4e+45	1.3e+27
1119+120	8428	2.486e+20		7.096e-30	5.7e-12	7.6e+43	7.3e+25
1122+546	2646	9.963e+19		6.301e-30	5.1e-12	1.1e+43	1.1e+25
1123+434	5231	2.284e+20		<2.008e-31	<1.6e-13	<4.9e+45	<4.7e+27
1126-041	8429	4.414e+20	3	3.124e-31	2.5e-13	5.0e+42	4.8e+24
1127-145	7300	3.814e+20		1.848e-30	1.5e-12	1.4e+46	1.3e+28
1127-145	7301	3.814e+20		2.028e-30	1.6e-12	1.5e+46	1.4e+28
1128+315	3965	2.184e+20		4.651e-30	3.8e-12	1.8e+45	1.7e+27
1136-374	7209	9.348e+20		4.479e-29	3.6e-11	1.6e+43	1.6e+25
1137+660	5421	1.016e+20		4.439e-30	3.6e-12	8.8e+45	8.5e+27
1137+660	485	1.016e+20		4.968e-30	4.0e-12	9.9e+45	9.5e+27
1146-037	5411	2.453e+20		6.951e-30	5.6e-12	3.7e+45	3.6e+27
1155+557	4548	1.193e+20		9.687e-30	7.8e-12	6.9e+41	6.7e+23
1157+014	5117	2.020e+20		<3.524e-31	<2.8e-13	<8.3e+45	<8.0e+27
1157+532	5232	1.577e+20	3	1.908e-31	1.5e-13	4.5e+45	4.4e+27
1202+281	4258	1.719e+20		1.169e-29	9.4e-12	1.4e+45	1.4e+27
1206-399	5412	7.858e+20		1.004e-30	8.1e-13	4.7e+45	4.5e+27
1207+398	353	2.097e+20		<1.126e-31	<9.1e-14	<3.9e+45	<3.7e+27
1208+396	352	2.097e+20		1.206e-29	9.7e-12	4.9e+41	4.7e+23
1208+322	3966	1.459e+20		1.611e-30	1.3e-12	1.1e+45	1.1e+27
1208+398	353	2.097e+20		<1.055e-31	<8.5e-14	<1.3e+45	<1.3e+27
1209+107A	4055	1.902e+20	3	6.152e-32	5.0e-14	1.8e+45	1.7e+27
1209+107B	4055	1.902e+20		<4.287e-31	<3.5e-13	<9.1e+45	<8.7e+27
1209+109	4055	1.902e+20		<4.526e-31	<3.7e-13	<1.2e+46	<1.2e+28
1211+143	5341	2.688e+20		5.773e-29	4.7e-11	1.9e+45	1.8e+27
1214+074	6711	1.549e+20		5.270e-30	4.3e-12	1.2e+42	1.1e+24
1215+300	6712	1.672e+20		2.694e-29	2.2e-11	1.7e+43	1.7e+25
1216+069	5374	1.616e+20		4.002e-30	3.2e-12	2.0e+45	2.0e+27
1217+023	9612	1.886e+20		8.786e-30	7.1e-12	2.3e+45	2.2e+27
1217+023	9613	1.886e+20		9.296e-30	7.5e-12	2.4e+45	2.3e+27
1217+023	9611	1.886e+20		9.336e-30	7.5e-12	2.4e+45	2.3e+27
1217+023	5423	1.886e+20		9.455e-30	7.6e-12	2.5e+45	2.4e+27
1217+023	9610	1.886e+20		9.773e-30	7.9e-12	2.5e+45	2.4e+27

TABLE 3A—*Continued*

Name	Seq	N_H(gal) (cm^{-2})	Note	Flux Density (1 keV) ergs $cm^{-2}s^{-1}Hz^{-1}$	Flux (0.16-3.5 keV) ergs $cm^{-2}s^{-1}$	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs $s^{-1}Hz^{-1}$
1217+023	532	1.886e+20		1.347e-29	1.1e-11	3.5e+45	3.4e+27
1218+339	3239	1.187e+20		8.884e-31	7.2e-13	1.1e+46	1.1e+28
1219+755	5424	2.867e+20		2.297e-29	1.9e-11	5.0e+44	4.8e+26
1219+044	3267	1.688e+20		2.609e-30	2.1e-12	1.2e+46	1.2e+28
1221+758	5233	3.185e+20		<3.406e-31	<2.8e-13	<5.1e+45	<4.9e+27
1222+226	4056	1.769e+20		<1.124e-30	<9.1e-13	<3.7e+46	<3.5e+28
1222+228B	4056	1.769e+20		<6.438e-31	<5.2e-13	<1.3e+46	<1.3e+28
1222+228A	4056	1.769e+20	3	6.964e-31	5.6e-13	1.8e+46	1.7e+28
1223+252	565	1.630e+20		1.422e-30	1.1e-12	4.6e+44	4.5e+26
1223+227	4056	1.769e+20		<4.763e-31	<3.8e-13	<1.0e+46	<1.0e+28
1225+317	542	1.473e+20		1.470e-30	1.2e-12	4.5e+46	4.3e+28
1226+023	5692	1.827e+20		1.064e-28	8.6e-11	1.2e+46	1.1e+28
1226+023	2037	1.826e+20		1.228e-28	9.9e-11	1.4e+46	1.3e+28
1226+023	9310	1.827e+20		1.869e-28	1.5e-10	2.1e+46	2.0e+28
1228+078	4052	1.620e+20		<4.607e-31	<3.7e-13	<8.8e+45	<8.4e+27
1228+076	4052	1.620e+20		<8.011e-31	<6.5e-13	<1.7e+46	<1.6e+28
1228+077	4052	1.620e+20		<5.213e-31	<4.2e-13	<1.9e+46	<1.8e+28
1229+078A	4052	1.620e+20	3	3.017e-31	2.4e-13	6.6e+45	6.4e+27
1229+116	279	2.325e+20		<1.776e-31	<1.4e-13	<3.3e+45	<3.2e+27
1229-021	5127	2.317e+20		7.580e-31	6.1e-13	4.1e+45	4.0e+27
1229+204	3967	2.565e+20		1.052e-29	8.5e-12	1.9e+44	1.9e+26
1229+078B	4052	1.620e+20		<1.054e-30	<8.5e-13	<1.3e+46	<1.3e+28
1229+077	4052	1.620e+20		<7.811e-31	<6.3e-13	<4.0e+46	<3.9e+28
1230+120	279	2.325e+20		6.610e-31	5.3e-13	1.4e+46	1.3e+28
1235+264	9974	1.302e+20		<1.475e-31	<1.2e-13	<6.0e+45	<5.7e+27
1237-101	4036	3.189e+20		7.752e-31	6.3e-13	2.1e+45	2.0e+27
1241+166	3241	1.958e+20		4.814e-31	3.9e-13	7.0e+44	6.7e+26
1241+176	5343	1.765e+20		7.421e-31	6.0e-13	6.3e+45	6.1e+27
1243+346	529	1.310e+20		<1.745e-31	<1.4e-13	<5.7e+45	<5.5e+27
1244+026	8433	1.844e+20		1.448e-29	1.2e-11	1.5e+44	1.4e+26
1244+345	529	1.310e+20		<2.880e-31	<2.3e-13	<6.6e+45	<6.3e+27
1244+346A	529	1.310e+20	3	2.494e-32	2.0e-14	5.3e+44	5.1e+26
1244+346B	529	1.310e+20		<4.822e-31	<3.9e-13	<1.6e+46	<1.5e+28
1244+347	529	1.310e+20		<2.293e-31	<1.9e-13	<9.1e+45	<8.7e+27
1245+345	529	1.310e+20		<3.268e-31	<2.6e-13	<8.4e+45	<8.1e+27
1245+343	529	1.310e+20		<2.951e-31	<2.4e-13	<5.7e+45	<5.4e+27
1245+342	529	1.310e+20		<2.264e-31	<1.8e-13	<5.9e+45	<5.6e+27
1246+344	529	1.310e+20		<2.059e-31	<1.7e-13	<6.3e+45	<6.1e+27
1246+377	3980	1.423e+20		<2.846e-31	<2.3e-13	<2.3e+45	<2.2e+27
1246+346	529	1.310e+20		8.991e-31	7.3e-13	3.0e+44	2.9e+26
1246-057	4004	2.085e+20		<4.290e-31	<3.5e-13	<1.3e+46	<1.3e+28
1250+568	479	1.275e+20		1.209e-30	9.8e-13	5.7e+44	5.5e+26
1252+119	4037	2.334e+20		1.268e-30	1.0e-12	4.7e+45	4.6e+27
1253+359	5390	1.269e+20		<1.101e-31	<8.9e-14	<2.9e+45	<2.8e+27
1253-055	4645	2.107e+20		5.784e-30?	4.7e-12	7.8e+45	7.5e+27
1253-055	544	2.107e+20		7.984e-30	6.4e-12	1.1e+46	1.0e+28
1253+358	5390	1.269e+20		<9.939e-32	<8.0e-14	<2.6e+44	<2.5e+26
1253+361	5390	1.269e+20		<1.110e-31	<9.0e-14	<2.5e+44	<2.4e+26
1253+360	5390	1.269e+20		<1.003e-31	<8.1e-14	<1.0e+45	<9.7e+26

Name	Seq	N_H(gal) (cm^{-2})	Note	Flux Density (1 keV) ergs $cm^{-2}s^{-1}Hz^{-1}$	Flux (0.16-3.5 keV) ergs $cm^{-2}s^{-1}$	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs $s^{-1}Hz^{-1}$
1217+023	532	1.886e+20		1.347e-29	1.1e-11	3.5e+45	3.4e+27
1218+339	3239	1.187e+20		8.884e-31	7.2e-13	1.1e+46	1.1e+28
1219+755	5424	2.867e+20		2.297e-29	1.9e-11	5.0e+44	4.8e+26
1219+044	3267	1.688e+20		2.609e-30	2.1e-12	1.2e+46	1.2e+28
1221+758	5233	3.185e+20		<3.406e-31	<2.8e-13	<5.1e+45	<4.9e+27
1222+226	4056	1.769e+20		<1.124e-30	<9.1e-13	<3.7e+46	<3.5e+28
1222+228B	4056	1.769e+20		<6.438e-31	<5.2e-13	<1.3e+46	<1.3e+28
1222+228A	4056	1.769e+20	3	6.964e-31	5.6e-13	1.8e+46	1.7e+28
1223+252	565	1.630e+20		1.422e-30	1.1e-12	4.6e+44	4.5e+26
1223+227	4056	1.769e+20		<4.763e-31	<3.8e-13	<1.0e+46	<1.0e+28
1225+317	542	1.473e+20		1.470e-30	1.2e-12	4.5e+46	4.3e+28
1226+023	5692	1.827e+20		1.064e-28	8.6e-11	1.2e+46	1.1e+28
1226+023	2037	1.826e+20		1.228e-28	9.9e-11	1.4e+46	1.3e+28
1226+023	9310	1.827e+20		1.869e-28	1.5e-10	2.1e+46	2.0e+28
1228+078	4052	1.620e+20		<4.607e-31	<3.7e-13	<8.8e+45	<8.4e+27
1228+076	4052	1.620e+20		<8.011e-31	<6.5e-13	<1.7e+46	<1.6e+28
1228+077	4052	1.620e+20		<5.213e-31	<4.2e-13	<1.9e+46	<1.8e+28
1229+078A	4052	1.620e+20	3	3.017e-31	2.4e-13	6.6e+45	6.4e+27
1229+116	279	2.325e+20		<1.776e-31	<1.4e-13	<3.3e+45	<3.2e+27
1229-021	5127	2.317e+20		7.580e-31	6.1e-13	4.1e+45	4.0e+27
1229+204	3967	2.565e+20		1.052e-29	8.5e-12	1.9e+44	1.9e+26
1229+078B	4052	1.620e+20		<1.054e-30	<8.5e-13	<1.3e+46	<1.3e+28
1229+077	4052	1.620e+20		<7.811e-31	<6.3e-13	<4.0e+46	<3.9e+28
1230+120	279	2.325e+20		6.610e-31	5.3e-13	1.4e+46	1.3e+28
1235+264	9974	1.302e+20		<1.475e-31	<1.2e-13	<6.0e+45	<5.7e+27
1237-101	4036	3.189e+20		7.752e-31	6.3e-13	2.1e+45	2.0e+27
1241+166	3241	1.958e+20		4.814e-31	3.9e-13	7.0e+44	6.7e+26
1241+176	5343	1.765e+20		7.421e-31	6.0e-13	6.3e+45	6.1e+27
1243+346	529	1.310e+20		<1.745e-31	<1.4e-13	<5.7e+45	<5.5e+27
1244+026	8433	1.844e+20		1.448e-29	1.2e-11	1.5e+44	1.4e+26
1244+345	529	1.310e+20		<2.880e-31	<2.3e-13	<6.6e+45	<6.3e+27
1244+346A	529	1.310e+20	3	2.494e-32	2.0e-14	5.3e+44	5.1e+26
1244+346B	529	1.310e+20		<4.822e-31	<3.9e-13	<1.6e+46	<1.5e+28
1244+347	529	1.310e+20		<2.293e-31	<1.9e-13	<9.1e+45	<8.7e+27
1245+345	529	1.310e+20		<3.268e-31	<2.6e-13	<8.4e+45	<8.1e+27
1245+343	529	1.310e+20		<2.951e-31	<2.4e-13	<5.7e+45	<5.4e+27
1245+342	529	1.310e+20		<2.264e-31	<1.8e-13	<5.9e+45	<5.6e+27
1246+344	529	1.310e+20		<2.059e-31	<1.7e-13	<6.3e+45	<6.1e+27
1246+377	3980	1.423e+20		<2.846e-31	<2.3e-13	<2.3e+45	<2.2e+27
1246+346	529	1.310e+20		8.991e-31	7.3e-13	3.0e+44	2.9e+26
1246-057	4004	2.085e+20		<4.290e-31	<3.5e-13	<1.3e+46	<1.3e+28
1250+568	479	1.275e+20		1.209e-30	9.8e-13	5.7e+44	5.5e+26
1252+119	4037	2.334e+20		1.268e-30	1.0e-12	4.7e+45	4.6e+27
1253+359	5390	1.269e+20		<1.101e-31	<8.9e-14	<2.9e+45	<2.8e+27
1253-055	4645	2.107e+20		5.784e-30	4.7e-12	7.8e+45	7.5e+27
1253-055	544	2.107e+20		7.984e-30	6.4e-12	1.1e+46	1.0e+28
1253+358	5390	1.269e+20		<9.939e-32	<8.0e-14	<2.6e+44	<2.5e+26
1253+361	5390	1.269e+20		<1.110e-31	<9.0e-14	<2.5e+44	<2.4e+26
1253+360	5390	1.269e+20		<1.003e-31	<8.1e-14	<1.0e+45	<9.7e+26

TABLE 3A—*Continued*

Name	Seq	N_H(gal) (cm^{-2})	Note	Flux Density (1 keV) ergs $cm^{-2}s^{-1}Hz^{-1}$	Flux (0.16-3.5 keV) ergs $cm^{-2}s^{-1}$	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs $s^{-1}Hz^{-1}$
1254+571	8957	1.374e+20		<6.011e-31	<4.9e-13	<4.5e+42	<4.3e+24
1254+047	5375	2.087e+20		<7.507e-31	<6.1e-13	<4.0e+45	<3.8e+27
1254+356A	5390	1.269e+20		3.524e-31	2.8e-13	3.4e+45	3.3e+27
1254+360	5390	1.269e+20	3	7.991e-32	6.5e-14	9.9e+44	9.5e+26
1255+359	5390	1.269e+20		6.045e-31	4.9e-13	7.9e+44	7.6e+26
1256+357	5391	1.204e+20		5.540e-31	4.5e-13	1.1e+46	1.1e+28
1256+357	5390	1.269e+20		5.783e-31	4.7e-13	1.2e+46	1.1e+28
1256+355	5391	1.204e+20		<1.745e-31	<1.4e-13	<3.1e+45	<2.9e+27
1257+361	5391	1.204e+20		<1.157e-31	<9.3e-14	<3.8e+44	<3.7e+26
1257+359	5391	1.204e+20		<8.064e-32	<6.5e-14	<3.9e+43	<3.7e+25
1257+356	5391	1.204e+20		<8.859e-32	<7.2e-14	<1.6e+45	<1.6e+27
1258+287	2041	9.201e+19		<5.934e-31	<4.8e-13	<1.2e+45	<1.1e+27
1258+286A	2041	9.201e+19		<5.696e-31	<4.6e-13	<1.2e+46	<1.2e+28
1258+356	5392	1.136e+20		7.062e-31	5.7e-13	3.4e+44	3.3e+26
1258+343	5717	1.075e+20		<3.147e-31	<2.5e-13	<9.1e+44	<8.8e+26
1258+286B	2041	9.201e+19		<6.318e-31	<5.1e-13	<6.4e+45	<6.1e+27
1258+342	5717	1.075e+20	3	2.409e-31	1.9e-13	5.3e+45	5.1e+27
1259+357	5392	1.136e+20		<2.270e-31	<1.8e-13	<5.7e+45	<5.5e+27
1259+344A	5717	1.075e+20		<5.852e-31	<4.7e-13	<1.3e+46	<1.3e+28
1259+361	5392	1.136e+20		2.445e-31	2.0e-13	5.6e+44	5.4e+26
1259+359	5391	1.204e+20	3	1.424e-31	1.2e-13	1.1e+45	1.1e+27
1259+359	5392	1.136e+20		<1.780e-31	<1.4e-13	<1.4e+45	<1.4e+27
1259+344B	5717	1.075e+20		<4.179e-31	<3.4e-13	<2.3e+46	<2.2e+28
1259+360	5392	1.136e+20		<1.576e-31	<1.3e-13	<2.8e+45	<2.7e+27
1300+360	5392	1.136e+20		<1.061e-31	<8.6e-14	<2.3e+44	<2.3e+26
1300-243	4034	8.552e+20		<3.587e-31	<2.9e-13	<1.1e+46	<1.1e+28
1301+359	5392	1.136e+20		<8.726e-32	<7.0e-14	<1.0e+45	<9.9e+26
1301+361	5392	1.136e+20	3	2.097e-32	1.7e-14	3.5e+44	3.3e+26
1301+358A	5392	1.136e+20		1.851e-30	1.5e-12	9.0e+44	8.7e+26
1301+358B	5392	1.136e+20		<8.937e-32	<7.2e-14	<3.7e+44	<3.5e+26
1301+356	5392	1.136e+20		2.513e-31	2.0e-13	6.3e+45	6.0e+27
1302+358	5392	1.136e+20		<1.554e-31	<1.3e-13	<3.7e+45	<3.5e+27
1302+357	5392	1.136e+20		<9.963e-32	<8.0e-14	<8.5e+44	<8.2e+26
1302-102	3968	3.322e+20		6.818e-30	5.5e-12	2.5e+45	2.4e+27
1303+355	5392	1.136e+20		<2.280e-31	<1.8e-13	<1.1e+45	<1.0e+27
1303+357A	5392	1.136e+20		<2.028e-31	<1.6e-13	<3.0e+45	<2.9e+27
1303+362	5392	1.136e+20		<1.651e-31	<1.3e-13	<1.6e+45	<1.5e+27
1303+358	5392	1.136e+20		<2.577e-31	<2.1e-13	<1.7e+44	<1.6e+26
1303+360	5392	1.136e+20		<1.274e-31	<1.0e-13	<4.8e+45	<4.6e+27
1304+310	2046	1.071e+20		<6.532e-31	<5.3e-13	<5.4e+44	<5.2e+26
1304+346	2608	1.003e+20		4.530e-30	3.7e-12	7.3e+44	7.0e+26
1307+085	5344	2.057e+20		1.093e-29	8.8e-12	1.2e+45	1.1e+27
1309-056	4260	2.607e+20	3	2.136e-31	1.7e-13	6.5e+45	6.3e+27
1310-108	8434	2.911e+20		9.621e-30	7.8e-12	5.3e+43	5.1e+25
1311+362	5128	1.014e+20		<2.238e-31	<1.8e-13	<5.9e+45	<5.7e+27
1316+179	5546	1.827e+20	3	1.552e-31	1.3e-13	1.4e+45	1.3e+27
1318+290A	525	1.205e+20		<5.978e-31	<4.8e-13	<9.8e+45	<9.5e+27
1321+294	3982	1.203e+20		<2.703e-31	<2.2e-13	<1.2e+45	<1.2e+27
1328+254	498	1.104e+20		7.786e-31	6.3e-13	4.4e+45	4.2e+27
1328+307	491	1.158e+20		7.295e-31	5.9e-13	2.6e+45	2.5e+27
1330+022	1956	1.828e+20		7.454e-30	6.0e-12	1.6e+45	1.5e+27
1331+170	4023	1.746e+20	3	5.005e-31	4.0e-13	1.3e+46	1.3e+28
1332+552	3969	1.151e+20		8.746e-31	7.1e-13	7.2e+45	6.9e+27
1333+176	5376	1.732e+20		6.558e-31	5.3e-13	9.4e+44	9.1e+26
1333+286	4016	1.155e+20		<3.689e-31	<3.0e-13	<7.9e+45	<7.6e+27
1335-127	7168	4.640e+20		7.242e-30	5.8e-12	9.9e+45	9.6e+27
1340+606	496	1.914e+20	3	2.019e-31	1.6e-13	9.3e+44	9.0e+26
1346-036	4261	2.595e+20		<3.147e-31	<2.5e-13	<1.1e+46	<1.0e+28
1351+640	520	2.103e+20		<8.183e-31	<6.6e-13	<2.8e+43	<2.7e+25
1351+695	10596	1.939e+20		3.951e-29	3.2e-11	1.7e+44	1.6e+26
1352+183	5377	2.073e+20		7.010e-30	5.7e-12	7.3e+44	7.0e+26
1352+011	5378	2.367e+20	3	1.049e-31	8.5e-14	6.7e+44	6.5e+26
1354-152	7169	7.695e+20		1.050e-30	8.5e-13	2.2e+46	2.1e+28
1355-416	3970	5.546e+20		7.620e-30	6.2e-12	3.4e+45	3.3e+27
1358+043	8334	2.172e+20		1.610e-30	1.3e-12	1.4e+45	1.3e+27
1402-012	5396	3.923e+20	3	1.385e-31	1.1e-13	5.7e+45	5.5e+27
1402+044	3717	2.157e+20	3	5.679e-32	4.6e-14	4.2e+45	4.0e+27
1402+261	5379	1.470e+20		3.963e-30	3.2e-12	4.8e+44	4.6e+26
1404+226	5380	2.015e+20		6.778e-31	5.5e-13	2.9e+43	2.8e+25
1407+265	5381	1.537e+20		6.904e-30	5.6e-12	3.1e+46	2.9e+28
1407+524	3547	1.345e+20		<3.363e-31	<2.7e-13	<9.0e+45	<8.6e+27
1408+523	3547	1.345e+20		<3.443e-31	<2.8e-13	<1.0e+46	<9.9e+27
1414+091	10437	2.029e+20		<2.329e-31	<1.9e-13	<8.1e+45	<7.8e+27
1414+252	356	1.707e+20		<2.557e-31	<2.1e-13	<5.0e+45	<4.8e+27
1415+254	356	1.707e+20		<1.490e-31	<1.2e-13	<5.0e+45	<4.8e+27
1416-129	5347	6.802e+20		1.008e-29	8.1e-12	7.5e+44	7.2e+26
1416-129	10386	6.802e+20		1.236e-29	1.0e-11	9.2e+44	8.9e+26
1416-129	10373	6.802e+20		1.373e-29	1.1e-11	1.0e+45	9.9e+26
1416-129	10388	6.802e+20		1.498e-29	1.2e-11	1.1e+45	1.1e+27
1416-129	10387	6.802e+20		1.516e-29	1.2e-11	1.1e+45	1.1e+27
1416-129	10389	6.802e+20		1.520e-29	1.2e-11	1.1e+45	1.1e+27
1416+067	502	2.176e+20		1.160e-30	9.4e-13	1.3e+46	1.2e+28
1417-192	1959	7.466e+20		7.275e-30	5.9e-12	4.6e+44	4.4e+26
1417-192	1960	7.466e+20		8.369e-30	6.8e-12	5.3e+44	5.1e+26
1422+202	7306	2.597e+20		6.189e-31	5.0e-13	2.3e+45	2.2e+27
1422+202	4396	2.597e+20		6.792e-31	5.5e-13	2.5e+45	2.4e+27
1425+267	3971	1.890e+20		9.767e-31	7.9e-13	5.9e+44	5.6e+26
1426+015	10374	2.796e+20		1.704e-29	1.4e-11	5.6e+44	5.4e+26
1426+015	10390	2.796e+20		1.766e-29	1.4e-11	5.9e+44	5.6e+26
1426+015	10391	2.796e+20		1.822e-29	1.5e-11	6.0e+44	5.8e+26
1426+015	10392	2.796e+20		1.869e-29	1.5e-11	6.2e+44	6.0e+26
1426+015	10393	2.796e+20		1.874e-29	1.5e-11	6.2e+44	6.0e+26
1426+015	5348	2.796e+20		3.028e-29	2.4e-11	1.0e+45	9.6e+26
1427+109	8468	1.849e+20		5.415e-31	4.4e-13	9.0e+45	8.6e+27
1433+488	2625	2.313e+20		6.385e-30	5.2e-12	4.8e+43	4.6e+25
1435+638	10421	1.663e+20		6.429e-31	5.2e-13	1.6e+46	1.6e+28
1435-067	5382	5.540e+20		7.494e-30	6.1e-12	5.6e+44	5.4e+26
1441+522	6317	1.646e+20		2.766e-30	2.2e-12	3.8e+46	3.6e+28

TABLE 3A—*Continued*

Name	Seq	N_H(gal) (cm^{-2})	Note	Flux Density (1 keV) ergs $cm^{-2}s^{-1}Hz^{-1}$	Flux (0.16-3.5 keV) ergs $cm^{-2}s^{-1}$	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs $s^{-1}Hz^{-1}$
1442+101	2051	1.736e+20		6.672e-31	5.4e-13	6.3e+46	6.1e+28
1442+101	2050	1.736e+20		8.210e-31	6.6e-13	7.8e+46	7.5e+28
1443+101	2050	1.736e+20		<4.223e-31	<3.4e-13	<2.1e+45	<2.1e+27
1448-232	5413	8.728e+20		<4.780e-31	<3.9e-13	<1.4e+46	<1.4e+28
1451-375	3972	6.304e+20		3.615e-30	2.9e-12	1.6e+45	1.6e+27
1458+718	2690	2.290e+20		1.847e-30	1.5e-12	7.5e+45	7.2e+27
1458+718	494	2.290e+20		1.929e-30	1.6e-12	7.8e+45	7.5e+27
1501+106	6713	2.387e+20		4.895e-29	4.0e-11	2.8e+44	2.7e+26
1502+106	7170	2.409e+20	3	4.836e-31	3.9e-13	9.5e+45	9.1e+27
1502+106	6713	2.387e+20		<1.305e-30	<1.1e-12	<2.6e+46	<2.5e+28
1504-166	7307	7.487e+20		2.077e-30	1.7e-12	7.9e+45	7.6e+27
1505+218	4060	3.614e+20		<5.394e-31	<4.4e-13	<1.5e+46	<1.4e+28
1510-089	2052	7.627e+20		5.229e-30	4.2e-12	3.1e+45	3.0e+27
1510-089	2053	7.627e+20		6.592e-30	5.3e-12	3.9e+45	3.8e+27
1512+370	3973	1.454e+20		4.781e-30	3.9e-12	3.0e+45	2.9e+27
1517+239	4263	3.919e+20		<9.601e-31	<7.8e-13	<2.0e+46	<2.0e+28
1518+202	10407	4.012e+20		<1.228e-31	<9.9e-14	<3.3e+45	<3.2e+27
1519+226	5383	4.023e+20		3.149e-30	2.5e-12	2.7e+44	2.6e+26
1522+155	10086	2.760e+20		3.937e-31	3.2e-13	7.4e+44	7.1e+26
1523+214	3983	4.399e+20		<8.965e-31	<7.2e-13	<2.0e+46	<1.9e+28
1524-136	3911	9.833e+20		<5.745e-31	<4.6e-13	<9.2e+45	<8.9e+27
1524-136	3910	9.833e+20	3	6.496e-31	5.2e-13	1.0e+46	1.0e+28
1525+227	10368	4.291e+20	3	1.488e-31	1.2e-13	4.3e+43	4.1e+25
1525+227	3974	4.291e+20		7.991e-31	6.5e-13	2.3e+44	2.2e+26
1531+359	2649	1.636e+20		<3.552e-31	<2.9e-13	<3.9e+43	<3.7e+25
1534+580	2614	1.775e+20		2.763e-29	2.2e-11	1.0e+44	1.0e+26
1545+210	2055	4.268e+20		9.369e-30	7.6e-12	3.0e+45	2.8e+27
1545+210	2054	4.268e+20		1.017e-29	8.2e-12	3.2e+45	3.1e+27
1546+027	5397	6.125e+20		3.803e-30	3.1e-12	3.0e+45	2.9e+27
1548+116	2713	3.617e+20		<5.040e-31	<4.1e-13	<4.4e+45	<4.3e+27
1548+116	524	3.617e+20		<1.015e-30	<8.2e-13	<8.9e+45	<8.6e+27
1548+114A	2713	3.617e+20		2.611e-30	2.1e-12	2.3e+45	2.2e+27
1548+114A	524	3.617e+20		3.911e-30	3.2e-12	3.4e+45	3.3e+27
1552+085	5384	3.419e+20	3	2.558e-31	2.1e-13	1.6e+43	1.6e+25
1552+193	2615	3.520e+20		6.772e-30	5.5e-12	3.7e+43	3.6e+25
1555+001	7172	7.033e+20		<6.460e-31	<5.2e-13	<1.2e+46	<1.1e+28
1556+335	4264	2.308e+20		3.633e-31	2.9e-13	5.5e+45	5.3e+27
1559+088	10438	3.805e+20		6.633e-31	5.4e-13	2.1e+46	2.0e+28
1601+182	3713	3.391e+20		<1.229e-31	<9.9e-14	<9.3e+45	<9.0e+27
1601+184A	3713	3.391e+20		<1.441e-31	<1.2e-13	<4.8e+45	<4.6e+27
1601+184B	3713	3.391e+20		<1.027e-31	<8.3e-14	<2.3e+45	<2.2e+27
1606+289	5719	3.328e+20	3	9.204e-32	7.4e-14	2.2e+45	2.1e+27
1611+343	7309	1.597e+20		5.482e-31	4.4e-13	5.8e+45	5.6e+27
1611+343	7310	1.597e+20		6.831e-31	5.5e-13	7.2e+45	6.9e+27
1612+266	2056	3.979e+20		<7.905e-31	<6.4e-13	<5.7e+44	<5.5e+26
1612+266	2057	3.979e+20		1.674e-30	1.4e-12	1.2e+45	1.2e+27
1612+261	2056	3.979e+20		8.561e-30	6.9e-12	6.6e+44	6.3e+26
1612+261	2057	3.979e+20		9.734e-30	7.9e-12	7.5e+44	7.2e+26
1613+658	5385	2.923e+20		6.812e-30	5.5e-12	5.1e+44	4.9e+26
1613+658	10396	2.923e+20		1.268e-29	1.0e-11	9.5e+44	9.1e+26
1613+658	10395	2.923e+20		1.305e-29	1.1e-11	9.7e+44	9.4e+26
1613+658	10375	2.923e+20		1.332e-29	1.1e-11	9.9e+44	9.6e+26
1613+658	10397	2.923e+20		1.433e-29	1.2e-11	1.1e+45	1.0e+27
1613+658	10394	2.923e+20		1.445e-29	1.2e-11	1.1e+45	1.0e+27
1613+055	3716	4.653e+20		<1.646e-31	<1.3e-13	<7.3e+45	<7.0e+27
1614+051	3716	4.653e+20	3	2.179e-31	1.8e-13	1.6e+46	1.6e+28
1614+051	7517	4.776e+20	3	2.680e-31	2.2e-13	2.0e+46	1.9e+28
1615+324	6319	2.020e+20		1.212e-30	9.8e-13	1.3e+44	1.2e+26
1617+175	5350	4.442e+20		3.292e-30	2.7e-12	1.9e+44	1.8e+26
1617+175	484	4.324e+20		3.921e-30	3.2e-12	2.3e+44	2.2e+26
1618+177	5350	4.442e+20		1.183e-30	9.6e-13	1.7e+45	1.6e+27
1618+177	484	4.324e+20		1.508e-30	1.2e-12	2.2e+45	2.1e+27
1622+268	6679	3.398e+20		2.828e-31	2.3e-13	8.1e+45	7.8e+27
1622+268	4053	3.323e+20		<4.808e-31	<3.9e-13	<1.4e+46	<1.3e+28
1622+269	6679	3.398e+20		<8.870e-32	<7.2e-14	<6.3e+45	<6.1e+27
1622+238	495	4.423e+20		4.066e-31	3.3e-13	1.7e+45	1.7e+27
1623+271	6679	3.398e+20	3	8.296e-32	6.7e-14	9.3e+44	9.0e+26
1623+271	4053	3.323e+20		<4.398e-31	<3.6e-13	<4.9e+45	<4.8e+27
1623+269A	4053	3.323e+20	3	2.720e-31	2.2e-13	8.0e+44	7.7e+26
1623+269A	6679	3.398e+20		3.738e-31	3.0e-13	1.1e+45	1.1e+27
1623+269A	5720	3.398e+20		4.208e-31	3.4e-13	1.2e+45	1.2e+27
1623+270	6679	3.398e+20		<8.438e-32	<6.8e-14	<2.8e+45	<2.7e+27
1623+270	4053	3.323e+20		<2.774e-31	<2.2e-13	<9.2e+45	<8.8e+27
1623+269B	4053	3.323e+20		<2.343e-31	<1.9e-13	<5.0e+45	<4.8e+27
1623+268A	6679	3.398e+20		<8.054e-32	<6.5e-14	<3.2e+45	<3.1e+27
1623+268A	4053	3.323e+20		<5.744e-31	<4.6e-13	<2.3e+46	<2.2e+28
1623+268B	6679	3.398e+20	3	4.562e-32	3.7e-14	1.9e+45	1.8e+27
1623+268B	4053	3.323e+20		<5.045e-31	<4.1e-13	<2.1e+46	<2.0e+28
1623+268C	6679	3.398e+20		<8.843e-32	<7.1e-14	<3.9e+45	<3.8e+27
1623+268C	4053	3.323e+20		<3.942e-31	<3.2e-13	<1.8e+46	<1.7e+28
1624+269	6679	3.398e+20		<7.799e-32	<6.3e-14	<2.3e+45	<2.2e+27
1624+269	4053	3.323e+20		<6.778e-31	<5.5e-13	<2.0e+46	<1.9e+28
1631+627	4054	2.696e+20		<1.244e-30	<1.0e-12	<2.8e+46	<2.7e+28
1632+391	2058	1.063e+20		<7.229e-31	<5.8e-13	<4.3e+45	<4.2e+27
1633+630	4054	2.696e+20		<1.467e-30	<1.2e-12	<4.1e+46	<4.0e+28
1633+382	2058	1.063e+20		1.042e-30	8.4e-13	2.0e+46	1.9e+28
1634+628	4054	2.696e+20		<2.170e-30	<1.8e-12	<1.1e+46	<1.0e+28
1634+269	8349	3.649e+20		7.607e-31	6.1e-13	1.1e+45	1.1e+27
1634+706	5351	4.728e+20		1.173e-30	9.5e-13	1.1e+46	1.1e+28
1635+119	5425	4.527e+20		2.733e-30	2.2e-12	2.6e+44	2.5e+26
1635+119	567	4.527e+20		3.982e-30	3.2e-12	3.8e+44	3.7e+26
1635+630	4054	2.696e+20		<9.720e-31	<7.8e-13	<2.1e+46	<2.0e+28
1641+399A	2060	1.045e+20		6.831e-30	5.5e-12	1.1e+46	1.1e+28
1641+399A	2061	1.045e+20		7.328e-30	5.9e-12	1.2e+46	1.2e+28
1641+399A	5694	1.045e+20		8.051e-30	6.5e-12	1.3e+46	1.3e+28
1641+399B	5694	1.045e+20		3.049e-30	2.5e-12	7.3e+46	7.0e+28
1641+399B	2061	1.045e+20		3.534e-30	2.9e-12	8.4e+46	8.1e+28
1655+077	3997	6.248e+20		1.904e-30	1.5e-12	3.5e+45	3.3e+27

TABLE 3A—*Continued*

Name	Seq	N_H(gal) (cm^{-2})	Note	Flux Density (1 keV) ergs $cm^{-2}s^{-1}Hz^{-1}$	Flux (0.16-3.5 keV) ergs $cm^{-2}s^{-1}$	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV, ℓ_x) ergs $s^{-1}Hz^{-1}$
1656+053	8469	5.906e+20		4.393e-30	3.5e-12	1.7e+46	1.6e+28
1659+294	2628	4.177e+20		5.369e-30	4.3e-12	3.1e+43	3.0e+25
1703+608	510	2.333e+20	3	6.011e-31	4.9e-13	1.4e+46	1.3e+28
1704+608	4208	2.353e+20		9.522e-31	7.7e-13	6.0e+44	5.8e+26
1704+608	5688	2.330e+20		1.183e-30	9.6e-13	7.5e+44	7.2e+26
1704+608	2063	2.330e+20		1.220e-30	9.8e-13	7.7e+44	7.4e+26
1704+608	5716	2.368e+20		1.236e-30	1.0e-12	7.8e+44	7.5e+26
1704+608	2062	2.330e+20		1.654e-30	1.3e-12	1.0e+45	1.0e+27
1704+608	510	2.333e+20		2.081e-30	1.7e-12	1.3e+45	1.3e+27
1720+246	420	4.977e+20	3	7.487e-31	6.0e-13	1.0e+44	9.9e+25
1720+309	2629	3.230e+20		1.140e-29	9.2e-12	9.4e+43	9.1e+25
1721+343	3975	3.091e+20		2.220e-29	1.8e-11	4.2e+45	4.1e+27
1725+044	4230	6.366e+20		1.251e-30	1.0e-12	5.0e+44	4.8e+26
1730-130	10080	2.349e+21		1.248e-30	1.0e-12	5.0e+45	4.8e+27
1730-130	7173	2.349e+21		1.629e-30	1.3e-12	6.6e+45	6.3e+27
1730-130	3888	2.349e+21		1.720e-30	1.4e-12	6.9e+45	6.7e+27
1739+522	7174	3.540e+20		1.016e-30	8.2e-13	1.0e+46	9.9e+27
1746+201	7611	8.143e+20		<1.703e-31	<1.4e-13	<3.6e+45	<3.5e+27
1748+687	2630	4.505e+20		8.885e-31	7.2e-13	1.1e+43	1.1e+25
1756+237	5129	8.795e+20		6.402e-31	5.2e-13	1.1e+46	1.0e+28
1757+236	10755	8.795e+20		2.164e-31	1.7e-13	5.2e+45	5.0e+27
1757+236	10754	8.795e+20		<2.951e-31	<2.4e-13	<7.0e+45	<6.8e+27
1803+676	4265	4.738e+20		4.130e-30	3.3e-12	3.4e+44	3.3e+26
1821+107	10422	1.391e+21		5.028e-31	4.1e-13	5.0e+45	4.8e+27
1828+487	487	5.737e+20		4.219e-30	3.4e-12	9.7e+45	9.3e+27
1833+326	2650	7.392e+20		2.444e-29	2.0e-11	3.8e+44	3.7e+26
1845+797	5690	4.434e+20		1.022e-29	8.3e-12	1.5e+44	1.4e+26
1936-155	3987	8.752e+20	3	4.302e-31	3.5e-13	6.6e+45	6.4e+27
1939-104	354	9.574e+20		3.143e-30	2.5e-12	3.5e+41	3.4e+23
1958-179	7177	7.719e+20		1.495e-30	1.2e-12	3.0e+45	2.9e+27
2037-012	8415	6.573e+20		<2.820e-31	<2.3e-13	<7.5e+45	<7.3e+27
2037+511	2179	6.340e+21		<2.128e-30	<1.7e-12	<3.4e+46	<3.3e+28
2037-005	8415	6.573e+20		5.773e-31	4.7e-13	9.8e+44	9.4e+26
2038-011	8415	6.573e+20		<1.624e-31	<1.3e-13	<5.2e+45	<5.0e+27
2112+059A	8437	6.483e+20		<6.951e-31	<5.6e-13	<7.0e+44	<6.7e+26
2112+059B	8437	6.483e+20		<7.540e-31	<6.1e-13	<5.5e+44	<5.3e+26
2120+168	504	6.832e+20		<2.671e-31	<2.2e-13	<5.0e+45	<4.8e+27
2121+053	2064	5.957e+20		1.971e-30	1.6e-12	4.1e+46	3.9e+28
2125-148	528	5.097e+20		<1.827e-31	<1.5e-13	<6.1e+45	<5.8e+27
2126-150A	528	5.097e+20	3	1.597e-31	1.3e-13	4.8e+45	4.6e+27
2126-158	5280	4.947e+20		4.616e-30	3.7e-12	3.6e+47	3.5e+29
2126-150B	528	5.097e+20		<1.670e-31	<1.3e-13	<4.5e+45	<4.3e+27
2128-123	8413	4.731e+20		4.308e-30	3.5e-12	5.0e+45	4.8e+27
2130+099	1972	4.580e+20		7.832e-30	6.3e-12	1.3e+44	1.3e+26
2130+099	1971	4.580e+20		1.596e-29	1.3e-11	2.7e+44	2.6e+26
2134+004	543	4.142e+20		1.038e-30	8.4e-13	2.3e+46	2.2e+28
2135-147	5426	4.590e+20		8.925e-30	7.2e-12	1.6e+45	1.5e+27
2135-147	531	4.590e+20		1.138e-29	9.2e-12	2.1e+45	2.0e+27
2141+175	4647	8.067e+20		1.877e-30	1.5e-12	3.8e+44	3.7e+26
2141+175	9668	8.067e+20		1.923e-30	1.6e-12	3.9e+44	3.8e+26
2141+175	9672	8.067e+20		2.070e-30	1.7e-12	4.2e+44	4.1e+26
2141+175	9667	8.067e+20		2.074e-30	1.7e-12	4.2e+44	4.1e+26
2141+037	3958	5.394e+20		<2.093e-31	<1.7e-13	<3.9e+45	<3.8e+27
2143+040	3958	5.394e+20		<1.078e-32	<8.7e-15	<2.6e+44	<2.5e+26
2143-156	4000	4.225e+20		1.560e-30	1.3e-12	3.7e+45	3.5e+27
2145+067	5130	4.820e+20		4.649e-30	3.8e-12	2.3e+46	2.2e+28
2155+034	3959	5.054e+20		<1.998e-31	<1.6e-13	<4.2e+45	<4.1e+27
2201+315	7182	8.835e+20		5.710e-30	4.6e-12	2.3e+45	2.2e+27
2201+315	3976	8.833e+20		6.957e-30	5.6e-12	2.8e+45	2.7e+27
2201+171	7483	5.298e+20		7.527e-31	6.1e-13	4.4e+45	4.3e+27
2204-408	3722	1.331e+20	3	9.528e-33	7.7e-15	6.9e+44	6.6e+26
2206-474	6714	2.100e+20	1	1.116e-28	9.0e-11	1.8e+43	1.7e+25
2209+184	8438	4.827e+20		1.212e-29	9.8e-12	2.7e+44	2.6e+26
2214+139	2616	4.934e+20		7.779e-31	6.3e-13	1.6e+43	1.5e+25
2216-038	2068	5.629e+20		1.818e-30	1.5e-12	7.3e+45	7.0e+27
2221-023	1973	5.102e+20	3	6.444e-31	5.2e-13	9.4e+42	9.0e+24
2223-052	8022	5.282e+20		5.095e-30	4.1e-12	5.4e+46	5.2e+28
2223-052	519	5.280e+20		8.011e-30	6.5e-12	8.5e+46	8.2e+28
2223-052	4646	5.282e+20		1.175e-29	9.5e-12	1.2e+47	1.2e+29
2223+210	5131	4.486e+20		4.049e-30	3.3e-12	9.2e+46	8.9e+28
2225-055	4017	4.986e+20		<1.325e-30	<1.1e-12	<3.1e+46	<3.0e+28
2230+114	4042	5.348e+20		3.811e-30	3.1e-12	2.1e+46	2.0e+28
2230+114	7184	5.424e+20		6.419e-30	5.2e-12	3.5e+46	3.4e+28
2232+134	5386	4.728e+20		<8.766e-31	<7.1e-13	<4.6e+45	<4.4e+27
2233+134	5386	4.728e+20		1.318e-30	1.1e-12	6.3e+44	6.1e+26
2233+136	5386	4.728e+20		<4.611e-31	<3.7e-13	<3.4e+46	<3.3e+28
2234+282	10087	5.576e+20		5.767e-31	4.7e-13	1.8e+45	1.7e+27
2251+158	492	6.404e+20		5.362e-30	4.3e-12	1.9e+46	1.9e+28
2251+158	3908	6.404e+20		6.179e-30	5.0e-12	2.2e+46	2.2e+28
2251+113	2073	5.138e+20		<5.988e-31	<4.8e-13	<2.8e+44	<2.7e+26
2251+113	2072	5.138e+20		<9.594e-31	<7.8e-13	<4.6e+44	<4.4e+26
2253+417	5144	1.163e+21		7.236e-31	5.8e-13	8.6e+45	8.3e+27
2254+024	4024	5.329e+20		3.257e-31	2.6e-13	8.6e+45	8.3e+27
2255+416	5144	1.163e+21		5.472e-31	4.4e-13	2.4e+45	2.3e+27
2300+086	1977	4.692e+20		4.264e-29	3.4e-11	5.5e+43	5.3e+25
2300+086	1978	4.692e+20		4.816e-29	3.9e-11	6.2e+43	6.0e+25
2301+223	2617	5.650e+20		1.697e-30	1.4e-12	1.2e+43	1.2e+25
2305+187	3977	5.674e+20		3.090e-30	2.5e-12	1.4e+45	1.3e+27
2316-000	6719	3.019e+20		7.991e-30	6.5e-12	3.0e+43	2.9e+25
2344+092	538	5.687e+20		2.253e-30	1.8e-12	4.9e+45	4.7e+27
2345-167	2076	1.852e+20		1.168e-30	9.4e-13	1.8e+45	1.8e+27
2345-167	2077	1.852e+20		1.385e-30	1.1e-12	2.2e+45	2.1e+27
2345+184	1982	4.074e+20	3	2.018e-31	1.6e-13	3.8e+44	3.7e+26
2345+184	1981	4.074e+20		5.930e-31	4.8e-13	1.1e+45	1.1e+27
2348-014	5387	2.489e+20		<5.525e-31	<4.5e-13	<1.4e+46	<1.3e+28
2349-014	5387	2.489e+20		1.189e-29	9.6e-12	1.6e+45	1.6e+27
2349-015	5387	2.489e+20		<8.349e-32	<6.7e-14	<2.5e+45	<2.4e+27
2353+072A	3167	5.220e+20		1.213e-30	9.8e-13	8.7e+42	8.3e+24
2353+072B	2651	5.220e+20		5.215e-31	4.2e-13	2.8e+44	2.7e+26
2357-348	4268	1.120e+20		3.567e-31	2.9e-13	9.2e+45	8.9e+27

[a] This table is also published in computer-readable form in the AAS CD-ROM Series Vol. 2.

NOTES.—(1) N_H from Heiles & Cleary 1979. (2) N_H from Harris et al. 1993. (3) Positive (>3 σ) source detection with best estimate of count rate (and flux and luminosity) less than 3 times the associated uncertainty.

TABLE 3B

Fluxes and Luminosities for Energy Indices of 0.5 and 1.0[a]

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5				Fluxes and Luminosities for α_x=1.0			
		Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
0002-422	4247	<8.329e-31	<5.9e-13	<6.4e+46	<5.6e+28	<7.574e-31	<5.6e-13	<1.1e+47	<7.0e+28
0003+158	5360	6.838e-30	4.9e-12	6.0e+45	5.2e+27	6.951e-30	5.2e-12	6.8e+45	4.5e+27
0007-000	8450	<7.951e-31	<5.7e-13	<3.8e+46	<3.3e+28	<7.958e-31	<5.9e-13	<6.4e+46	<4.2e+28
0007+106	10125	4.932e-30	3.5e-12	1.4e+44	1.2e+26	5.317e-30	4.0e-12	1.5e+44	9.9e+25
0007+106	6718	1.965e-29	1.4e-11	5.7e+44	4.9e+26	2.080e-29	1.6e-11	5.8e+44	3.9e+26
0007+106	2634	4.133e-29	2.9e-11	1.2e+45	1.0e+27	4.387e-29	3.3e-11	1.2e+45	8.2e+26
0007+171	3999	8.408e-31	6.0e-13	1.5e+46	1.3e+28	8.687e-31	6.5e-13	2.3e+46	1.6e+28
0009-016	8451	<3.308e-31	<2.4e-13	<1.1e+46	<9.3e+27	<3.293e-31	<2.5e-13	<1.7e+46	<1.1e+28
0013-004	8453	<3.725e-31	<2.6e-13	<1.3e+46	<1.2e+28	<3.632e-31	<2.7e-13	<2.1e+46	<1.4e+28
0014+166	5361	<3.355e-31	<2.4e-13	<1.2e+43	<1.1e+25	<3.431e-31	<2.6e-13	<1.2e+43	<8.1e+24
0014+318	2718	7.057e-31	5.0e-13	4.8e+45	4.2e+27	7.428e-31	5.5e-13	6.8e+45	4.5e+27
0014+159	7597	<1.355e-31	<9.6e-14	<5.6e+45	<4.9e+27	<1.357e-31	<1.0e-13	<9.4e+45	<6.2e+27
0014+159	6834	<2.102e-31	<1.5e-13	<8.7e+45	<7.6e+27	<2.138e-31	<1.6e-13	<1.5e+46	<9.8e+27
0015+155	6834	<2.923e-31	<2.1e-13	<1.4e+46	<1.2e+28	<2.876e-31	<2.1e-13	<2.3e+46	<1.5e+28
0016+731	7583	9.025e-31	6.4e-13	2.1e+46	1.9e+28	1.077e-30	8.0e-13	4.0e+46	2.6e+28
0017+154	505	2.613e-31	1.9e-13	8.5e+45	7.5e+27	2.646e-31	2.0e-13	1.4e+46	9.3e+27
0019+011	8452	<4.032e-31	<2.9e-13	<1.5e+46	<1.3e+28	<3.868e-31	<2.9e-13	<2.4e+46	<1.6e+28
0019+011	5114	<1.058e-30	<7.5e-13	<4.0e+46	<3.5e+28	<1.016e-30	<7.6e-13	<6.3e+46	<4.2e+28
0026+129	518	1.219e-29	8.7e-12	9.2e+44	8.0e+26	1.238e-29	9.2e-12	9.3e+44	6.2e+26
0026+129	5417	1.225e-29	8.7e-12	9.2e+44	8.1e+26	1.264e-29	9.4e-12	9.5e+44	6.3e+26
0026+129	9551	1.239e-29	8.8e-12	9.3e+44	8.2e+26	1.275e-29	9.5e-12	9.5e+44	6.3e+26
0026+129	9550	1.250e-29	8.9e-12	9.4e+44	8.2e+26	1.288e-29	9.6e-12	9.6e+44	6.4e+26
0026+129	9553	1.299e-29	9.2e-12	9.8e+44	8.6e+26	1.333e-29	9.9e-12	1.0e+45	6.6e+26
0026+129	9552	1.427e-29	1.0e-11	1.1e+45	9.4e+26	1.464e-29	1.1e-11	1.1e+45	7.3e+26
0037-018	5393	<4.938e-31	<3.5e-13	<2.4e+46	<2.1e+28	<4.848e-31	<3.6e-13	<4.0e+46	<2.7e+28
0038-020	5393	8.249e-31	5.9e-13	6.8e+45	6.0e+27	8.196e-31	6.1e-13	9.3e+45	6.2e+27
0043+008	4020	<5.485e-31	<3.9e-13	<2.1e+46	<1.9e+28	<5.300e-31	<4.0e-13	<3.4e+46	<2.2e+28
0044+030	5362	1.361e-30	9.7e-13	2.5e+45	2.2e+27	1.350e-30	1.0e-12	2.9e+45	1.9e+27
0049+171	8431	1.976e-29	1.4e-11	2.9e+44	2.5e+26	2.036e-29	1.5e-11	2.9e+44	1.9e+26
0049+007	8454	1.475e-32	1.0e-14	6.7e+44	5.8e+26	1.525e-32	1.1e-14	1.2e+45	7.7e+26
0049+014	8455	3.601e-31	2.6e-13	1.7e+46	1.5e+28	3.468e-31	2.6e-13	2.8e+46	1.8e+28
0050+124	2632	2.008e-29	1.4e-11	2.7e+44	2.3e+26	2.120e-29	1.6e-11	2.7e+44	1.8e+26
0051+291	5123	1.174e-30	8.3e-13	3.0e+46	2.6e+28	1.249e-30	9.3e-13	4.9e+46	3.3e+28
0051+146	541	<2.964e-31	<2.1e-13	<1.2e+45	<1.0e+27	<3.032e-31	<2.3e-13	<1.5e+45	<1.0e+27
0052+145	541	<3.023e-31	<2.2e-13	<1.3e+45	<1.2e+27	<3.141e-31	<2.3e-13	<1.8e+45	<1.2e+27
0052+251	5334	1.283e-29	9.1e-12	1.2e+45	1.0e+27	1.331e-29	9.9e-12	1.2e+45	8.0e+26
0054+144	4248	5.943e-30	4.2e-12	6.6e+44	5.8e+26	6.146e-30	4.6e-12	6.9e+44	4.6e+26
0054+144	5418	5.945e-30	4.2e-12	6.6e+44	5.8e+26	6.256e-30	4.7e-12	7.0e+44	4.6e+26
0055+004	8456	<6.169e-31	<4.4e-13	<1.8e+46	<1.6e+28	<6.087e-31	<4.5e-13	<2.8e+46	<1.9e+28
0056-001	3995	1.476e-30	1.0e-12	3.7e+45	3.2e+27	1.468e-30	1.1e-12	4.5e+45	3.0e+27
0057+315	2619	5.750e-29	4.1e-11	4.5e+43	4.0e+25	6.097e-29	4.5e-11	4.5e+43	3.0e+25
0058+019	2717	<2.187e-30	<1.6e-12	<6.6e+46	<5.8e+28	<2.179e-30	<1.6e-12	<1.1e+47	<7.0e+28
0100+130	2009	<6.019e-31	<4.3e-13	<4.3e+46	<3.8e+28	<6.082e-31	<4.5e-13	<7.8e+46	<5.2e+28
0106+013	2011	1.241e-30	8.8e-13	4.6e+46	4.0e+28	1.211e-30	9.0e-13	7.3e+46	4.9e+28
0109+022	8458	<4.026e-31	<2.9e-13	<2.0e+46	<1.7e+28	<3.946e-31	<2.9e-13	<3.3e+46	<2.2e+28
0112-017	5394	1.282e-30	9.1e-13	1.5e+46	1.3e+28	1.303e-30	9.7e-13	2.2e+46	1.5e+28
0115-011	8459	<2.527e-31	<1.8e-13	<1.0e+46	<9.1e+27	<2.559e-31	<1.9e-13	<1.7e+46	<1.2e+28
0117+213	5354	<2.396e-30	<1.7e-12	<3.6e+46	<3.1e+28	<2.487e-30	<1.9e-12	<5.5e+46	<3.6e+28
0119+041	3254	1.207e-30	8.6e-13	2.3e+45	2.0e+27	1.224e-30	9.1e-13	2.8e+45	1.9e+27
0119-013	2633	3.235e-30	2.3e-12	3.4e+43	2.9e+25	3.234e-30	2.4e-12	3.2e+43	2.1e+25
0119-046	5124	<1.369e-30	<9.7e-13	<4.1e+46	<3.6e+28	<1.377e-30	<1.0e-12	<6.6e+46	<4.4e+28
0119+229	8427	<6.402e-31	<4.6e-13	<6.4e+42	<5.6e+24	<6.825e-31	<5.1e-13	<6.5e+42	<4.3e+24
0121-590	523	1.058e-28	7.5e-11	7.6e+44	6.7e+26	1.008e-28	7.5e-11	6.9e+44	4.6e+26
0122-380	4003	<7.686e-31	<5.5e-13	<3.1e+46	<2.7e+28	<7.216e-31	<5.4e-13	<4.9e+46	<3.2e+28
0126+030	8460	<2.693e-31	<1.9e-13	<5.0e+45	<4.4e+27	<2.621e-31	<2.0e-13	<7.3e+45	<4.8e+27
0128+074	8332	<4.752e-31	<3.4e-13	<3.0e+44	<2.7e+26	<4.897e-31	<3.7e-13	<3.4e+44	<2.3e+26
0130+033	4249	1.480e-30	1.1e-12	8.1e+44	7.1e+26	1.466e-30	1.1e-12	8.7e+44	5.8e+26
0130-403	2578	<3.243e-31	<2.3e-13	<3.3e+46	<2.9e+28	<2.813e-31	<2.1e-13	<5.3e+46	<3.5e+28
0130-406	2578	<1.268e-31	<9.0e-14	<6.6e+45	<5.8e+27	<1.168e-31	<8.7e-14	<1.0e+46	<6.9e+27
0131-404A	2578	6.274e-32	4.5e-14	9.2e+44	8.0e+26	5.474e-32	4.1e-14	1.2e+45	7.8e+26
0131+037	4249	1.421e-30	1.0e-12	3.7e+44	3.2e+26	1.316e-30	9.8e-13	3.5e+44	2.3e+26
0131-409B	2578	2.285e-31	1.6e-13	1.1e+46	1.0e+28	2.008e-31	1.5e-13	1.7e+46	1.1e+28
0131-409A	2578	<1.315e-31	<9.4e-14	<1.5e+45	<1.3e+27	<1.161e-31	<8.7e-14	<1.9e+45	<1.3e+27
0132-408	2578	<1.177e-31	<8.4e-14	<6.3e+45	<5.5e+27	<1.034e-31	<7.7e-14	<9.6e+45	<6.4e+27
0133+207	5419	5.525e-30	3.9e-12	4.3e+45	3.7e+27	5.876e-30	4.4e-12	5.1e+45	3.4e+27
0133+207	482	7.699e-30	5.5e-12	6.0e+45	5.2e+27	7.991e-30	6.0e-12	6.9e+45	4.6e+27
0133+207	540	1.048e-29	7.5e-12	8.1e+45	7.1e+27	1.087e-29	8.1e-12	9.3e+45	6.2e+27
0134+033	513	<2.238e-31	<1.6e-13	<5.1e+42	<4.4e+24	<2.174e-31	<1.6e-13	<4.7e+42	<3.2e+24
0134+329	480	5.767e-30	4.1e-12	3.2e+45	2.8e+27	5.963e-30	4.4e-12	3.6e+45	2.4e+27
0135-247	3996	1.743e-30	1.2e-12	6.2e+45	5.4e+27	1.468e-30	1.1e-12	6.6e+45	4.4e+27
0137+060	4250	2.515e-31	1.8e-13	1.7e+44	1.5e+26	2.560e-31	1.9e-13	1.9e+44	1.2e+26
0137-010	4251	1.884e-30	1.3e-12	8.6e+44	7.5e+26	1.890e-30	1.4e-12	9.3e+44	6.2e+26
0140-306	3719	<2.135e-31	<1.5e-13	<2.4e+46	<2.1e+28	<2.003e-31	<1.5e-13	<4.2e+46	<2.8e+28
0143-015	3718	6.188e-32	4.4e-14	6.9e+45	6.0e+27	6.062e-32	4.5e-14	1.3e+46	8.5e+27
0143-010	3714	<3.230e-31	<2.3e-13	<3.7e+46	<3.2e+28	<2.792e-31	<2.1e-13	<6.0e+46	<4.0e+28
0145+042	5115	<3.566e-31	<2.5e-13	<1.2e+46	<1.0e+28	<3.593e-31	<2.7e-13	<1.9e+46	<1.3e+28
0146+017	3727	<2.375e-31	<1.7e-13	<2.1e+46	<1.9e+28	<2.321e-31	<1.7e-13	<3.8e+46	<2.5e+28
0149-397	4021	<3.410e-31	<2.4e-13	<1.2e+46	<1.0e+28	<3.043e-31	<2.3e-13	<1.7e+46	<1.1e+28
0151+045	8333	6.410e-31	4.6e-13	4.4e+44	3.9e+26	6.558e-31	4.9e-13	5.0e+44	3.3e+26
0157+001	5335	2.261e-30	1.6e-12	2.3e+44	2.0e+26	2.082e-30	1.6e-12	2.1e+44	1.4e+26
0159+036	8461	1.624e-31	1.2e-13	8.9e+45	7.8e+27	1.639e-31	1.2e-13	1.6e+46	1.0e+28
0203+151A	7614	1.293e-32	9.2e-15	4.2e+44	3.6e+26	1.371e-32	1.0e-14	7.1e+44	4.7e+26
0203+151B	7614	6.633e-32	4.7e-14	3.9e+45	3.4e+27	7.024e-32	5.2e-14	7.2e+45	4.8e+27
0203+150	7614	1.882e-31	1.3e-13	6.9e+45	6.0e+27	2.019e-31	1.5e-13	1.2e+46	8.0e+27
0203+152	7614	<2.322e-31	<1.7e-13	<1.1e+46	<9.5e+27	<2.451e-31	<1.8e-13	<1.9e+46	<1.3e+28
0205+024	3978	9.329e-30	6.6e-12	8.4e+44	7.4e+26	9.369e-30	7.0e-12	8.5e+44	5.6e+26
0205-379	5388	1.317e-31	9.4e-14	7.0e+45	6.1e+27	1.169e-31	8.7e-14	1.1e+46	7.1e+27
0205+150	7614	<1.669e-31	<1.2e-13	<8.8e+45	<7.7e+27	<1.756e-31	<1.3e-13	<1.6e+46	<1.1e+28
0207-003	8462	<2.928e-31	<2.1e-13	<2.5e+46	<2.1e+28	<2.805e-31	<2.1e-13	<4.3e+46	<2.9e+28
0207-398	4253	3.605e-31	2.6e-13	2.9e+46	2.6e+28	3.171e-31	2.4e-13	4.7e+46	3.1e+28

TABLE 3B—*Continued*

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5				Fluxes and Luminosities for α_x=1.0			
		Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
0210+860	562	8.872e-31	6.3e-13	1.1e+44	1.0e+26	9.681e-31	7.2e-13	1.3e+44	8.4e+25
0210+860	2682	<9.926e-31	<7.1e-13	<1.3e+44	<1.1e+26	<1.097e-30	<8.2e-13	<1.4e+44	<9.5e+25
0212-009	4470	2.065e-29	1.5e-11	5.3e+43	4.6e+25	2.030e-29	1.5e-11	4.9e+43	3.3e+25
0212+735	7584	5.111e-30	3.6e-12	2.6e+47	2.3e+29	6.129e-30	4.6e-12	5.3e+47	3.5e+29
0219+428	2709	2.503e-30	1.8e-12	2.1e+45	1.9e+27	2.699e-30	2.0e-12	2.6e+45	1.7e+27
0225+310	6705	1.848e-29	1.3e-11	1.7e+43	1.5e+25	2.008e-29	1.5e-11	1.7e+43	1.1e+25
0225-014	5118	1.580e-31	1.1e-13	5.3e+45	4.7e+27	1.507e-31	1.1e-13	8.3e+45	5.5e+27
0226-038	4022	1.067e-30	7.6e-13	3.7e+46	3.3e+28	9.820e-31	7.3e-13	5.6e+46	3.7e+28
0229+131	3257	1.139e-30	8.1e-13	4.0e+46	3.5e+28	1.276e-30	9.5e-13	7.3e+46	4.8e+28
0229+341	5142	<3.249e-31	<2.3e-13	<3.0e+45	<2.7e+27	<3.463e-31	<2.6e-13	<4.5e+45	<3.0e+27
0232-090	3143	2.595e-29	1.8e-11	1.7e+44	1.5e+26	2.534e-29	1.9e-11	1.6e+44	1.1e+26
0234+285	3258	1.714e-30	1.2e-12	1.5e+46	1.3e+28	1.877e-30	1.4e-12	2.3e+46	1.5e+28
0237-027	3259	9.124e-31	6.5e-13	6.6e+45	5.8e+27	8.806e-31	6.6e-13	8.6e+45	5.7e+27
0237+040	7185	1.006e-30	7.2e-13	5.3e+45	4.6e+27	1.042e-30	7.8e-13	7.2e+45	4.8e+27
0237-233	2013	2.202e-30	1.6e-12	9.4e+46	8.2e+28	2.040e-30	1.5e-12	1.5e+47	9.7e+28
0237-233	2705	2.214e-30	1.6e-12	9.5e+46	8.3e+28	2.104e-30	1.6e-12	1.5e+47	1.0e+29
0237-233	2014	2.534e-30	1.8e-12	1.1e+47	9.5e+28	2.350e-30	1.8e-12	1.7e+47	1.1e+29
0238+069	3466	9.694e-30	6.9e-12	2.7e+43	2.3e+25	1.057e-29	7.9e-12	2.8e+43	1.8e+25
0242-410	4033	<1.411e-31	<1.0e-13	<6.0e+45	<5.2e+27	<1.338e-31	<1.0e-13	<9.4e+45	<6.3e+27
0246+190	2661	1.564e-30	1.1e-12	5.3e+42	4.6e+24	1.738e-30	1.3e-12	5.6e+42	3.7e+24
0254-404	5389	<1.093e-30	<7.8e-13	<5.1e+46	<4.4e+28	<9.879e-31	<7.4e-13	<7.7e+46	<5.1e+28
0306+169	7790	<4.496e-31	<3.2e-13	<1.7e+46	<1.5e+28	<4.985e-31	<3.7e-13	<3.2e+46	<2.1e+28
0307+169	1929	2.799e-31	2.0e-13	7.3e+43	6.3e+25	3.106e-31	2.3e-13	8.4e+43	5.6e+25
0307+169	1930	<2.507e-30	<1.8e-12	<6.5e+44	<5.7e+26	<2.812e-30	<2.1e-12	<7.6e+44	<5.0e+26
0312-770	5401	7.236e-30	5.1e-12	1.4e+45	1.2e+27	7.872e-30	5.9e-12	1.6e+45	1.0e+27
0333+321	3886	1.192e-29	8.5e-12	1.2e+47	1.0e+29	1.365e-29	1.0e-11	1.9e+47	1.2e+29
0336-019	3261	5.190e-31	3.7e-13	2.0e+45	1.7e+27	5.568e-31	4.2e-13	2.7e+45	1.8e+27
0336-019	7162	1.043e-30	7.4e-13	3.9e+45	3.4e+27	1.128e-30	8.4e-13	5.4e+45	3.6e+27
0340+048	5116	1.726e-30	1.2e-12	9.1e+44	8.0e+26	1.961e-30	1.5e-12	1.1e+45	7.5e+26
0400+258	7164	<5.021e-31	<3.6e-13	<1.9e+46	<1.6e+28	<5.434e-31	<4.1e-13	<3.3e+46	<2.2e+28
0400+258	3994	<6.224e-31	<4.4e-13	<2.3e+46	<2.0e+28	<6.818e-31	<5.1e-13	<4.1e+46	<2.8e+28
0403-132	9528	2.293e-30	1.6e-12	3.4e+45	3.0e+27	2.319e-30	1.7e-12	4.0e+45	2.7e+27
0403-132	7629	3.074e-30	2.2e-12	4.6e+45	4.0e+27	3.110e-30	2.3e-12	5.4e+45	3.6e+27
0405-123	3906	8.793e-30	6.3e-12	1.3e+46	1.2e+28	8.786e-30	6.6e-12	1.6e+46	1.0e+28
0405-123	3907	1.044e-29	7.4e-12	1.6e+46	1.4e+28	1.059e-29	7.9e-12	1.9e+46	1.2e+28
0409+229	8978	3.448e-31	2.5e-13	3.1e+45	2.7e+27	3.954e-31	2.9e-13	4.9e+45	3.2e+27
0410+110	1935	4.970e-30	3.5e-12	1.9e+45	1.6e+27	5.712e-30	4.3e-12	2.3e+45	1.5e+27
0410+110	1936	5.885e-30	4.2e-12	2.2e+45	1.9e+27	6.725e-30	5.0e-12	2.7e+45	1.8e+27
0414-060	521	3.271e-30	2.3e-12	1.0e+46	8.8e+27	3.461e-30	2.6e-12	1.3e+46	8.8e+27
0415+379	2669	2.381e-29	1.7e-11	2.0e+44	1.7e+26	2.862e-29	2.1e-11	2.2e+44	1.5e+26
0418-550	1938	8.097e-30	5.8e-12	4.5e+41	3.9e+23	7.163e-30	5.3e-12	3.7e+41	2.5e+23
0418-550	1937	1.262e-29	9.0e-12	7.0e+41	6.2e+23	1.087e-29	8.1e-12	5.7e+41	3.8e+23
0420-388	4008	5.039e-31	3.6e-13	5.5e+46	4.8e+28	4.778e-31	3.6e-13	9.9e+46	6.6e+28
0420-388	3721	6.772e-31	4.8e-13	7.4e+46	6.5e+28	6.180e-31	4.6e-13	1.3e+47	8.5e+28
0420-014	2016	3.642e-30	2.6e-12	1.6e+46	1.4e+28	3.986e-30	3.0e-12	2.3e+46	1.5e+28
0420-014	2015	5.447e-30	3.9e-12	2.4e+46	2.1e+28	5.881e-30	4.4e-12	3.4e+46	2.2e+28
0424-131	4029	2.446e-31	1.7e-13	9.7e+45	8.5e+27	2.499e-31	1.9e-13	1.6e+46	1.1e+28
0430+052	351	4.035e-29	2.9e-11	1.6e+44	1.4e+26	4.537e-29	3.4e-11	1.7e+44	1.1e+26
0430+052	1939	4.262e-29	3.0e-11	1.6e+44	1.4e+26	4.795e-29	3.6e-11	1.7e+44	1.2e+26
0430+052	350	6.977e-29	5.0e-11	2.7e+44	2.3e+26	7.805e-29	5.8e-11	2.8e+44	1.9e+26
0434-104	2640	1.835e-29	1.3e-11	8.0e+43	7.0e+25	1.975e-29	1.5e-11	8.1e+43	5.4e+25
0438-166	3558	<8.991e-32	<6.4e-14	<2.7e+45	<2.4e+27	<9.449e-32	<7.0e-14	<4.6e+45	<3.1e+27
0438-166	3557	<1.456e-31	<1.0e-13	<4.4e+45	<3.9e+27	<1.504e-31	<1.1e-13	<7.3e+45	<4.9e+27
0438-436	4011	1.079e-30	7.7e-13	9.2e+46	8.0e+28	9.422e-31	7.0e-13	1.5e+47	9.7e+28
0439-164	3557	5.908e-32	4.2e-14	2.5e+45	2.1e+27	6.051e-32	4.5e-14	4.2e+45	2.8e+27
0440-003	2018	<1.023e-30	<7.3e-13	<3.8e+45	<3.3e+27	<1.106e-30	<8.2e-13	<5.2e+45	<3.4e+27
0440-003	2017	<1.133e-30	<8.1e-13	<4.2e+45	<3.7e+27	<1.232e-30	<9.2e-13	<5.7e+45	<3.8e+27
0454-234	7165	8.985e-31	6.4e-13	5.1e+45	4.4e+27	8.601e-31	6.4e-13	6.4e+45	4.3e+27
0458-020	7166	9.787e-31	7.0e-13	4.5e+46	3.9e+28	1.048e-30	7.8e-13	8.1e+46	5.4e+28
0513-002	2641	5.832e-29	4.1e-11	2.2e+44	2.0e+26	6.440e-29	4.8e-11	2.3e+44	1.6e+26
0518+165	489	9.157e-31	6.5e-13	2.6e+45	2.3e+27	1.084e-30	8.1e-13	3.8e+45	2.6e+27
0518-458	2670	2.031e-29	1.4e-11	8.3e+43	7.3e+25	1.962e-29	1.5e-11	7.6e+43	5.0e+25
0528-250	4014	<6.593e-31	<4.7e-13	<5.1e+46	<4.5e+28	<6.049e-31	<4.5e-13	<8.5e+46	<5.6e+28
0537-441	7499	1.721e-30	1.2e-12	7.3e+45	6.4e+27	1.733e-30	1.3e-12	9.4e+45	6.2e+27
0537-441	547	2.724e-30	1.9e-12	1.2e+46	1.0e+28	2.819e-30	2.1e-12	1.5e+46	1.0e+28
0537-286	3720	1.626e-30	1.2e-12	1.8e+47	1.5e+29	1.474e-30	1.1e-12	3.0e+47	2.0e+29
0538+498	483	8.919e-31	6.3e-13	1.2e+45	1.0e+27	1.042e-30	7.8e-13	1.6e+45	1.1e+27
0605-085	10684	1.480e-30	1.1e-12	5.9e+45	5.1e+27	1.742e-30	1.3e-12	8.8e+45	5.8e+27
0605-085	7287	2.459e-30	1.7e-12	9.8e+45	8.5e+27	2.905e-30	2.2e-12	1.5e+46	9.7e+27
0605-085	7288	2.619e-30	1.9e-12	1.0e+46	9.1e+27	3.089e-30	2.3e-12	1.6e+46	1.0e+28
0607-157	7289	1.019e-30	7.2e-13	4.4e+44	3.8e+26	1.168e-30	8.7e-13	5.4e+44	3.6e+26
0637-752	8494	9.806e-30	7.0e-12	2.0e+46	1.8e+28	1.081e-29	8.1e-12	2.7e+46	1.8e+28
0637-752	5404	1.488e-29	1.1e-11	3.1e+46	2.7e+28	1.648e-29	1.2e-11	4.0e+46	2.7e+28
0642+449	3712	1.406e-30	1.0e-12	2.0e+47	1.7e+29	1.566e-30	1.2e-12	4.3e+47	2.8e+29
0655+542	2621	1.126e-29	8.0e-12	7.8e+43	6.8e+25	1.199e-29	8.9e-12	7.9e+43	5.2e+25
0710+118	490	1.006e-30	7.2e-13	3.0e+45	2.6e+27	1.140e-30	8.5e-13	4.2e+45	2.8e+27
0730+659	5226	<3.673e-31	<2.6e-13	<1.1e+46	<9.5e+27	<3.715e-31	<2.8e-13	<1.7e+46	<1.2e+28
0732+588	2607	8.004e-30	5.7e-12	4.3e+43	3.8e+25	8.481e-30	6.3e-12	4.3e+43	2.9e+25
0736+017	2019	3.127e-30	2.2e-12	4.4e+44	3.8e+26	3.304e-30	2.5e-12	4.7e+44	3.1e+26
0736+017	2020	3.479e-30	2.5e-12	4.9e+44	4.2e+26	3.740e-30	2.8e-12	5.3e+44	3.5e+26
0738+313	3993	1.323e-30	9.4e-13	2.5e+45	2.2e+27	1.392e-30	1.0e-12	3.1e+45	2.1e+27
0740+380	499	1.102e-30	7.8e-13	7.1e+45	6.2e+27	1.179e-30	8.8e-13	1.0e+46	6.7e+27
0752+393	2622	9.972e-30	7.1e-12	4.1e+43	3.6e+25	1.051e-29	7.8e-12	4.1e+43	2.7e+25
0758+143	8979	3.960e-31	2.8e-13	3.4e+45	3.0e+27	3.882e-31	2.9e-13	4.6e+45	3.0e+27
0802+103	10181	3.067e-31	2.2e-13	9.3e+45	8.1e+27	2.911e-31	2.2e-13	1.4e+46	9.4e+27
0802+103	2711	<5.743e-31	<4.1e-13	<1.7e+46	<1.5e+28	<5.657e-31	<4.2e-13	<2.7e+46	<1.8e+28
0804+761	5336	1.955e-29	1.4e-11	7.2e+44	6.3e+26	1.930e-29	1.4e-11	6.9e+44	4.6e+26
0805+046	2021	2.478e-31	1.8e-13	2.2e+46	1.9e+28	2.530e-31	1.9e-13	4.0e+46	2.7e+28
0805+046	2022	<4.368e-31	<3.1e-13	<3.8e+46	<3.3e+28	<4.281e-31	<3.2e-13	<6.8e+46	<4.5e+28
0805+047	2022	<3.613e-31	<2.6e-13	<1.3e+46	<1.1e+28	<3.525e-31	<2.6e-13	<2.0e+46	<1.3e+28
0809+483	493	4.365e-31	3.1e-13	1.7e+45	1.5e+27	4.432e-31	3.3e-13	2.2e+45	1.5e+27
0824+110	5125	4.348e-31	3.1e-13	2.0e+46	1.7e+28	4.272e-31	3.2e-13	3.3e+46	2.2e+28

TABLE 3B—*Continued*

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5				Fluxes and Luminosities for α_x=1.0			
		Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
0827+243	3264	9.674e-31	6.9e-13	4.6e+45	4.0e+27	9.528e-31	7.1e-13	5.9e+45	3.9e+27
0833+654	501	1.048e-30	7.5e-13	7.5e+45	6.6e+27	1.069e-30	8.0e-13	1.0e+46	6.9e+27
0834-201	7296	1.234e-30	8.8e-13	9.5e+46	8.3e+28	1.353e-30	1.0e-12	1.9e+47	1.2e+29
0834-201	7297	1.558e-30	1.1e-12	1.2e+47	1.0e+29	1.693e-30	1.3e-12	2.3e+47	1.6e+29
0834+654	6964	3.955e-32	2.8e-14	1.6e+45	1.4e+27	4.063e-32	3.0e-14	2.8e+45	1.9e+27
0835+580	503	5.580e-31	4.0e-13	9.0e+45	7.8e+27	5.696e-31	4.2e-13	1.4e+46	9.0e+27
0835+583	503	<1.988e-31	<1.4e-13	<1.9e+46	<1.7e+28	<2.021e-31	<1.5e-13	<3.7e+46	<2.4e+28
0836+654	6964	<1.956e-31	<1.4e-13	<5.5e+45	<4.8e+27	<2.012e-31	<1.5e-13	<8.9e+45	<5.9e+27
0837-120	8933	1.724e-29	1.2e-11	2.6e+45	2.3e+27	1.842e-29	1.4e-11	2.8e+45	1.9e+27
0838+133A	486	1.462e-30	1.0e-12	3.3e+45	2.9e+27	1.507e-30	1.1e-12	4.1e+45	2.7e+27
0838+770	5363	1.988e-30	1.4e-12	1.3e+44	1.1e+26	1.902e-30	1.4e-12	1.2e+44	8.0e+25
0838+131	486	<3.542e-31	<2.5e-13	<9.7e+45	<8.4e+27	<3.475e-31	<2.6e-13	<1.5e+46	<9.9e+27
0838+133B	486	<2.014e-31	<1.4e-13	<4.9e+45	<4.3e+27	<2.032e-31	<1.5e-13	<7.7e+45	<5.1e+27
0843+161	5364	<4.585e-31	<3.3e-13	<1.8e+45	<1.6e+27	<4.455e-31	<3.3e-13	<2.2e+45	<1.5e+27
0843+349	5337	<4.608e-31	<3.3e-13	<7.9e+45	<6.9e+27	<4.640e-31	<3.5e-13	<1.2e+46	<7.9e+27
0844+349	5337	6.639e-30	4.7e-12	9.8e+43	8.5e+25	6.646e-30	5.0e-12	9.4e+43	6.2e+25
0848+155	2026	2.532e-31	1.8e-13	8.2e+45	7.2e+27	2.470e-31	1.8e-13	1.3e+46	8.6e+27
0848+155	2025	<1.053e-30	<7.5e-13	<3.4e+46	<3.0e+28	<1.058e-30	<7.9e-13	<5.6e+46	<3.7e+28
0848+163	3979	<5.920e-31	<4.2e-13	<1.7e+46	<1.5e+28	<5.633e-31	<4.2e-13	<2.6e+46	<1.7e+28
0850+140	500	7.832e-31	5.6e-13	5.6e+45	4.9e+27	7.739e-31	5.8e-13	7.5e+45	5.0e+27
0855+188	2028	<2.505e-31	<1.8e-13	<1.4e+45	<1.3e+27	<2.467e-31	<1.8e-13	<1.9e+45	<1.2e+27
0855+188	2027	<4.316e-31	<3.1e-13	<2.5e+45	<2.2e+27	<4.258e-31	<3.2e-13	<3.2e+45	<2.1e+27
0859-140	3905	9.528e-31	6.8e-13	1.1e+46	9.3e+27	1.014e-30	7.6e-13	1.6e+46	1.1e+28
0859-140	3904	2.124e-30	1.5e-12	2.4e+46	2.1e+28	2.261e-30	1.7e-12	3.6e+46	2.4e+28
0859-140	3903	2.342e-30	1.7e-12	2.6e+46	2.3e+28	2.485e-30	1.9e-12	3.9e+46	2.6e+28
0903+169	481	2.291e-30	1.6e-12	1.6e+45	1.4e+27	2.326e-30	1.7e-12	1.8e+45	1.2e+27
0906+430	2685	1.250e-30	8.9e-13	2.7e+45	2.4e+27	1.146e-30	8.5e-13	3.0e+45	2.0e+27
0906+015	2029	1.468e-30	1.0e-12	8.5e+45	7.4e+27	1.444e-30	1.1e-12	1.1e+46	7.3e+27
0906+015	2030	1.519e-30	1.1e-12	8.8e+45	7.7e+27	1.456e-30	1.1e-12	1.1e+46	7.4e+27
0906+484	3962	5.393e-31	3.8e-13	2.8e+43	2.4e+25	5.012e-31	3.7e-13	2.5e+43	1.7e+25
0910+403	1941	4.135e-31	2.9e-13	2.0e+45	1.7e+27	3.666e-31	2.7e-13	2.2e+45	1.5e+27
0915+165	3467	1.676e-29	1.2e-11	5.0e+43	4.3e+25	1.691e-29	1.3e-11	4.7e+43	3.1e+25
0923+201	5365	1.919e-30	1.4e-12	2.7e+44	2.3e+26	1.930e-30	1.4e-12	2.7e+44	1.8e+26
0923+129	6708	1.484e-29	1.1e-11	4.4e+43	3.9e+25	1.484e-29	1.1e-11	4.2e+43	2.8e+25
0923+392	554	4.471e-30	3.2e-12	1.1e+46	9.3e+27	3.908e-30	2.9e-12	1.1e+46	7.5e+27
0927+217	5229	<6.646e-31	<4.7e-13	<2.1e+46	<1.9e+28	<6.599e-31	<4.9e-13	<3.4e+46	<2.3e+28
0934+013	2642	8.952e-30	6.4e-12	8.0e+43	7.0e+25	9.071e-30	6.8e-12	7.7e+43	5.1e+25
0937+391	8409	1.140e-30	8.1e-13	2.0e+45	1.8e+27	1.026e-30	7.6e-13	2.2e+45	1.4e+27
0938+117A	530	<1.053e-31	<7.5e-14	<4.9e+45	<4.3e+27	<1.007e-31	<7.5e-14	<8.0e+45	<5.3e+27
0938+120A	530	<2.078e-31	<1.5e-13	<6.7e+45	<5.8e+27	<2.001e-31	<1.5e-13	<1.0e+46	<6.9e+27
0938+120B	530	<3.461e-31	<2.5e-13	<1.8e+46	<1.6e+28	<3.340e-31	<2.5e-13	<3.0e+46	<2.0e+28
0938+117B	530	<3.118e-31	<2.2e-13	<1.3e+46	<1.1e+28	<2.949e-31	<2.2e-13	<2.0e+46	<1.4e+28
0939+121	530	<2.955e-31	<2.1e-13	<7.2e+45	<6.3e+27	<2.837e-31	<2.1e-13	<1.1e+46	<7.1e+27
0939+117	530	<2.986e-31	<2.1e-13	<8.4e+45	<7.3e+27	<2.944e-31	<2.2e-13	<1.3e+46	<8.7e+27
0945+076	1943	1.287e-30	9.2e-13	3.5e+43	3.0e+25	1.244e-30	9.3e-13	3.2e+43	2.2e+25
0953+254	3265	1.165e-30	8.3e-13	2.9e+45	2.5e+27	1.113e-30	8.3e-13	3.4e+45	2.2e+27

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5				Fluxes and Luminosities for α_x=1.0			
		Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
0955+326	2712	<1.044e-30	<7.4e-13	<1.3e+45	<1.2e+27	<9.376e-31	<7.0e-13	<1.4e+45	<9.2e+26
0958+290	2687	1.963e-31	1.4e-13	2.6e+43	2.2e+25	1.800e-31	1.3e-13	2.4e+43	1.6e+25
0959-443	5405	2.072e-30	1.5e-12	7.5e+45	6.6e+27	2.377e-30	1.8e-12	1.1e+46	7.2e+27
1001+054	3963	<4.348e-31	<3.1e-13	<4.3e+43	<3.7e+25	<4.126e-31	<3.1e-13	<4.0e+43	<2.7e+25
1004-217	5406	<1.251e-30	<8.9e-13	<5.6e+44	<4.9e+26	<1.321e-30	<9.9e-13	<6.4e+44	<4.2e+26
1004+130	563	<3.655e-31	<2.6e-13	<8.3e+43	<7.3e+25	<3.694e-31	<2.8e-13	<8.7e+43	<5.8e+25
1008+133	5367	<5.215e-31	<3.7e-13	<5.3e+45	<4.6e+27	<5.247e-31	<3.9e-13	<7.4e+45	<4.9e+27
1011+250	2031	1.878e-30	1.3e-12	3.5e+46	3.1e+28	1.772e-30	1.3e-12	5.0e+46	3.3e+28
1011-282	5407	3.277e-30	2.3e-12	8.3e+44	7.2e+26	3.446e-30	2.6e-12	9.1e+44	6.0e+26
1011-040	8432	<5.889e-31	<4.2e-13	<7.1e+42	<6.2e+24	<5.929e-31	<4.4e-13	<6.8e+42	<4.5e+24
1017+203	913	<3.219e-31	<2.3e-13	<1.2e+46	<1.0e+28	<2.999e-31	<2.2e-13	<1.8e+46	<1.2e+28
1020-103	3964	6.303e-30	4.5e-12	9.4e+44	8.2e+26	6.574e-30	4.9e-12	1.0e+45	6.6e+26
1020+201	1945	6.201e-30	4.4e-12	1.9e+41	1.7e+23	5.776e-30	4.3e-12	1.7e+41	1.1e+23
1020+201	1946	2.859e-29	2.0e-11	9.0e+41	7.8e+23	2.695e-29	2.0e-11	7.9e+41	5.2e+23
1028+313	4256	9.522e-30	6.8e-12	1.1e+45	9.9e+26	8.654e-30	6.5e-12	1.0e+45	6.9e+26
1028+290	2644	1.111e-29	7.9e-12	1.4e+44	1.3e+26	1.025e-29	7.6e-12	1.3e+44	8.4e+25
1038+064	5126	4.766e-30	3.4e-12	4.7e+46	4.1e+28	4.737e-30	3.5e-12	6.6e+46	4.4e+28
1040+123	497	1.504e-30	1.1e-12	8.9e+45	7.8e+27	1.444e-30	1.1e-12	1.1e+46	7.5e+27
1048-090	5369	6.200e-30	4.4e-12	3.0e+45	2.6e+27	5.963e-30	4.4e-12	3.1e+45	2.1e+27
1050-184	5408	8.090e-31	5.8e-13	1.1e+45	9.5e+26	8.064e-31	6.0e-13	1.3e+45	8.3e+26
1054-034	4025	<2.938e-31	<2.1e-13	<1.1e+46	<9.6e+27	<2.965e-31	<2.2e-13	<1.8e+46	<1.2e+28
1058+726	5230	1.340e-30	9.5e-13	7.9e+44	6.9e+26	1.287e-30	9.6e-13	8.3e+44	5.5e+26
1100+772	478	8.190e-30	5.8e-12	3.2e+45	2.8e+27	8.031e-30	6.0e-12	3.4e+45	2.2e+27
1100-264	4002	7.342e-31	5.2e-13	2.8e+46	2.5e+28	7.832e-31	5.8e-13	5.0e+46	3.3e+28
1103+728	1948	2.191e-30	1.6e-12	6.2e+41	5.4e+23	2.119e-30	1.6e-12	5.6e+41	3.7e+23
1103+728	1947	7.441e-30	5.3e-12	2.1e+42	1.8e+24	7.063e-30	5.3e-12	1.9e+42	1.2e+24
1111+408	488	2.093e-30	1.5e-12	5.6e+45	4.9e+27	1.905e-30	1.4e-12	6.2e+45	4.1e+27
1113+182	3927	<1.852e-31	<1.3e-13	<5.2e+45	<4.5e+27	<1.615e-31	<1.2e-13	<7.2e+45	<4.8e+27
1114+183	3927	<2.901e-31	<2.1e-13	<8.1e+45	<7.1e+27	<2.529e-31	<1.9e-13	<1.1e+46	<7.5e+27
1115+080	5355	1.348e-30	9.6e-13	2.9e+46	2.5e+28	1.344e-30	1.0e-12	4.4e+46	2.9e+28
1116+215	5339	1.004e-29	7.1e-12	1.2e+45	1.0e+27	8.673e-30	6.5e-12	1.0e+45	6.9e+26
1119+120	8428	7.779e-30	5.5e-12	6.7e+43	5.8e+25	7.554e-30	5.6e-12	6.2e+43	4.1e+25
1122+546	2646	6.262e-30	4.5e-12	8.8e+42	7.7e+24	5.219e-30	3.9e-12	6.9e+42	4.6e+24
1123+434	5231	<2.104e-31	<1.5e-13	<6.9e+45	<6.0e+27	<1.925e-31	<1.4e-13	<1.0e+46	<6.8e+27
1126-041	8429	3.555e-31	2.5e-13	4.6e+42	4.0e+24	3.708e-31	2.8e-13	4.6e+42	3.0e+24
1127-145	7300	2.025e-30	1.4e-12	1.7e+46	1.5e+28	1.995e-30	1.5e-12	2.3e+46	1.5e+28
1127-145	7301	2.254e-30	1.6e-12	1.9e+46	1.7e+28	2.251e-30	1.7e-12	2.6e+46	1.7e+28
1128+315	3965	4.873e-30	3.5e-12	1.6e+45	1.4e+27	4.459e-30	3.3e-12	1.6e+45	1.0e+27
1136-374	7209	5.307e-29	3.8e-11	1.5e+43	1.3e+25	5.899e-29	4.4e-11	1.6e+43	1.0e+25
1137+660	5421	4.433e-30	3.2e-12	8.8e+45	7.7e+27	3.752e-30	2.8e-12	8.9e+45	5.9e+27
1137+660	485	4.854e-30	3.5e-12	9.6e+45	8.4e+27	3.993e-30	3.0e-12	9.4e+45	6.3e+27
1146-037	5411	7.395e-30	5.3e-12	3.5e+45	3.1e+27	6.911e-30	5.2e-12	3.6e+45	2.4e+27
1155+557	4548	1.010e-29	7.2e-12	5.6e+41	4.9e+23	9.044e-30	6.7e-12	4.7e+41	3.1e+23
1157+014	5117	<3.730e-31	<2.7e-13	<1.2e+46	<1.0e+28	<3.450e-31	<2.6e-13	<1.8e+46	<1.2e+28
1157+532	5232	1.955e-31	1.4e-13	6.3e+45	5.5e+27	1.718e-31	1.3e-13	8.9e+45	5.9e+27
1202+281	4258	1.219e-29	8.7e-12	1.3e+45	1.1e+27	1.096e-29	8.2e-12	1.1e+45	7.5e+26

TABLE 3B—*Continued*

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5				Fluxes and Luminosities for α_x=1.0			
		Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
1206-399	5412	1.178e-30	8.4e-13	6.0e+45	5.2e+27	1.290e-30	9.6e-13	8.6e+45	5.7e+27
1207+398	353	<1.172e-31	<8.3e-14	<5.7e+45	<5.0e+27	<1.065e-31	<7.9e-14	<8.8e+45	<5.9e+27
1208+396	352	1.274e-29	9.1e-12	4.0e+41	3.5e+23	1.171e-29	8.7e-12	3.4e+41	2.3e+23
1208+322	3966	1.649e-30	1.2e-12	1.0e+45	9.1e+26	1.443e-30	1.1e-12	1.0e+45	6.7e+26
1208+398	353	<1.101e-31	<7.8e-14	<1.7e+45	<1.5e+27	<1.006e-31	<7.5e-14	<2.2e+45	<1.5e+27
1209+107A	4055	6.564e-32	4.7e-14	2.7e+45	2.4e+27	6.132e-32	4.6e-14	4.2e+45	2.8e+27
1209+107B	4055	<4.583e-31	<3.3e-13	<1.3e+46	<1.1e+28	<4.297e-31	<3.2e-13	<1.9e+46	<1.3e+28
1209+109	4055	<4.714e-31	<3.4e-13	<1.7e+46	<1.5e+28	<4.320e-31	<3.2e-13	<2.6e+46	<1.7e+28
1211+143	5341	6.288e-29	4.5e-11	1.7e+45	1.4e+27	6.114e-29	4.6e-11	1.6e+45	1.0e+27
1214+074	6711	5.466e-30	3.9e-12	9.4e+41	8.2e+23	4.892e-30	3.6e-12	7.8e+41	5.2e+23
1215+300	6712	2.807e-29	2.0e-11	1.4e+43	1.2e+25	2.532e-29	1.9e-11	1.2e+43	7.9e+24
1216+069	5374	4.273e-30	3.0e-12	2.0e+45	1.7e+27	3.960e-30	3.0e-12	1.9e+45	1.3e+27
1217+023	9612	9.382e-30	6.7e-12	2.1e+45	1.9e+27	8.806e-30	6.6e-12	2.1e+45	1.4e+27
1217+023	9613	9.985e-30	7.1e-12	2.3e+45	2.0e+27	9.416e-30	7.0e-12	2.2e+45	1.5e+27
1217+023	9611	1.007e-29	7.2e-12	2.3e+45	2.0e+27	9.502e-30	7.1e-12	2.2e+45	1.5e+27
1217+023	5423	1.020e-29	7.3e-12	2.3e+45	2.0e+27	9.628e-30	7.2e-12	2.3e+45	1.5e+27
1217+023	9610	1.042e-29	7.4e-12	2.4e+45	2.1e+27	9.753e-30	7.3e-12	2.3e+45	1.5e+27
1217+023	532	1.462e-29	1.0e-11	3.3e+45	2.9e+27	1.398e-29	1.0e-11	3.3e+45	2.2e+27
1218+339	3239	8.857e-31	6.3e-13	1.4e+46	1.2e+28	7.487e-31	5.6e-13	1.7e+46	1.2e+28
1219+755	5424	2.487e-29	1.8e-11	4.4e+44	3.8e+26	2.395e-29	1.8e-11	4.1e+44	2.7e+26
1219+044	3267	2.805e-30	2.0e-12	1.4e+46	1.2e+28	2.640e-30	2.0e-12	1.7e+46	1.2e+28
1221+758	5233	<3.732e-31	<2.7e-13	<7.0e+45	<6.1e+27	<3.633e-31	<2.7e-13	<1.0e+46	<6.9e+27
1222+226	4056	<1.180e-30	<8.4e-13	<5.5e+46	<4.8e+28	<1.089e-30	<8.1e-13	<8.5e+46	<5.6e+28
1222+228B	4056	<6.894e-31	<4.9e-13	<1.9e+46	<1.6e+28	<6.467e-31	<4.8e-13	<2.7e+46	<1.8e+28
1222+228A	4056	7.414e-31	5.3e-13	2.6e+46	2.2e+28	6.898e-31	5.1e-13	3.9e+46	2.6e+28
1223+252	565	1.472e-30	1.0e-12	4.2e+44	3.7e+26	1.305e-30	9.7e-13	3.9e+44	2.6e+26
1223+227	4056	<4.924e-31	<3.5e-13	<1.4e+46	<1.3e+28	<4.448e-31	<3.3e-13	<2.1e+46	<1.4e+28
1225+317	542	1.492e-30	1.1e-12	6.3e+46	5.5e+28	1.297e-30	9.7e-13	9.2e+46	6.1e+28
1226+023	5692	1.111e-28	7.9e-11	1.0e+46	9.1e+27	1.007e-28	7.5e-11	9.5e+45	6.3e+27
1226+023	2037	1.305e-28	9.3e-11	1.2e+46	1.1e+28	1.216e-28	9.1e-11	1.1e+46	7.6e+27
1226+023	9310	1.955e-28	1.4e-10	1.8e+46	1.6e+28	1.760e-28	1.3e-10	1.7e+46	1.1e+28
1228+078	4052	<4.918e-31	<3.5e-13	<1.2e+46	<1.1e+28	<4.584e-31	<3.4e-13	<1.8e+46	<1.2e+28
1228+076	4052	<8.375e-31	<6.0e-13	<2.3e+46	<2.0e+28	<7.580e-31	<5.7e-13	<3.3e+46	<2.2e+28
1228+077	4052	<5.458e-31	<3.9e-13	<2.8e+46	<2.5e+28	<4.954e-31	<3.7e-13	<4.4e+46	<2.9e+28
1229+078A	4052	3.137e-31	2.2e-13	9.2e+45	8.0e+27	2.833e-31	2.1e-13	1.3e+46	8.8e+27
1229+116	279	<1.894e-31	<1.3e-13	<4.6e+45	<4.0e+27	<1.783e-31	<1.3e-13	<6.8e+45	<4.5e+27
1229-021	5127	8.203e-31	5.8e-13	5.0e+45	4.3e+27	7.852e-31	5.9e-13	6.3e+45	4.2e+27
1229+204	3967	1.158e-29	8.2e-12	1.7e+44	1.5e+26	1.136e-29	8.5e-12	1.6e+44	1.1e+26
1229+078B	4052	<1.067e-30	<7.6e-13	<1.6e+46	<1.4e+28	<9.449e-31	<7.0e-13	<2.1e+46	<1.4e+28
1229+077	4052	<7.838e-31	<5.6e-13	<6.1e+46	<5.3e+28	<6.867e-31	<5.1e-13	<9.6e+46	<6.4e+28
1230+120	279	6.845e-31	4.9e-13	1.9e+46	1.7e+28	6.304e-31	4.7e-13	2.8e+46	1.9e+28
1235+264	9974	<1.459e-31	<1.0e-13	<8.6e+45	<7.5e+27	<1.232e-31	<9.2e-14	<1.3e+46	<8.4e+27
1237-101	4036	8.601e-31	6.1e-13	2.4e+45	2.1e+27	8.554e-31	6.4e-13	3.0e+45	2.0e+27
1241+166	3241	5.217e-31	3.7e-13	7.4e+44	6.4e+26	4.971e-31	3.7e-13	8.2e+44	5.4e+26
1241+176	5343	7.746e-31	5.5e-13	7.8e+45	6.8e+27	6.957e-31	5.2e-13	9.8e+45	6.5e+27
1243+346	529	<1.740e-31	<1.2e-13	<8.1e+45	<7.0e+27	<1.480e-31	<1.1e-13	<1.2e+46	<7.7e+27
1244+026	8433	1.521e-29	1.1e-11	1.3e+44	1.1e+26	1.391e-29	1.0e-11	1.1e+44	7.2e+25
1244+345	529	<3.028e-31	<2.2e-13	<9.2e+45	<8.1e+27	<2.761e-31	<2.1e-13	<1.3e+46	<8.9e+27
1244+346A	529	2.512e-32	1.8e-14	7.1e+44	6.2e+26	2.153e-32	1.6e-14	9.6e+44	6.4e+26
1244+346B	529	<4.850e-31	<3.4e-13	<2.3e+46	<2.0e+28	<4.148e-31	<3.1e-13	<3.3e+46	<2.2e+28
1244+347	529	<2.333e-31	<1.7e-13	<1.3e+46	<1.2e+28	<2.016e-31	<1.5e-13	<2.0e+46	<1.3e+28
1245+345	529	<3.438e-31	<2.4e-13	<1.2e+46	<1.1e+28	<3.142e-31	<2.3e-13	<1.8e+46	<1.2e+28
1245+343	529	<2.878e-31	<2.0e-13	<7.2e+45	<6.3e+27	<2.414e-31	<1.8e-13	<9.4e+45	<6.3e+27
1245+342	529	<2.209e-31	<1.6e-13	<7.8e+45	<6.8e+27	<1.851e-31	<1.4e-13	<1.1e+46	<7.1e+27
1246+344	529	<2.037e-31	<1.4e-13	<8.8e+45	<7.7e+27	<1.721e-31	<1.3e-13	<1.2e+46	<8.2e+27
1246+377	3980	<2.892e-31	<2.1e-13	<2.7e+45	<2.4e+27	<2.513e-31	<1.9e-13	<3.3e+45	<2.2e+27
1246+346	529	9.303e-31	6.6e-13	2.7e+44	2.4e+26	8.402e-31	6.3e-13	2.6e+44	1.7e+26
1246-057	4004	<4.559e-31	<3.2e-13	<2.0e+46	<1.7e+28	<4.221e-31	<3.1e-13	<3.1e+46	<2.0e+28
1250+568	479	1.235e-30	8.8e-13	5.2e+44	4.5e+26	1.080e-30	8.1e-13	4.9e+44	3.2e+26
1252+119	4037	1.368e-30	9.7e-13	5.4e+45	4.8e+27	1.307e-30	9.7e-13	6.6e+45	4.4e+27
1253+359	5390	<1.117e-31	<7.9e-14	<4.0e+45	<3.5e+27	<9.673e-32	<7.2e-14	<5.7e+45	<3.8e+27
1253-055	4645	6.165e-30	4.4e-12	8.1e+45	7.0e+27	5.757e-30	4.3e-12	8.7e+45	5.8e+27
1253-055	544	8.355e-30	5.9e-12	1.1e+46	9.6e+27	7.593e-30	5.7e-12	1.1e+46	7.6e+27
1253+358	5390	<1.014e-31	<7.2e-14	<2.8e+44	<2.4e+26	<8.839e-32	<6.6e-14	<2.9e+44	<2.0e+26
1253+361	5390	<1.122e-31	<8.0e-14	<2.6e+44	<2.3e+26	<9.773e-32	<7.3e-14	<2.7e+44	<1.8e+26
1253+360	5390	<1.014e-31	<7.2e-14	<1.2e+45	<1.1e+27	<8.819e-32	<6.6e-14	<1.5e+45	<1.0e+27
1254+571	8957	<6.354e-31	<4.5e-13	<3.8e+42	<3.3e+24	<5.825e-31	<4.3e-13	<3.3e+42	<2.2e+24
1254+047	5375	<8.117e-31	<5.8e-13	<4.8e+45	<4.2e+27	<7.713e-31	<5.8e-13	<6.0e+45	<4.0e+27
1254+356A	5390	3.546e-31	2.5e-13	4.1e+45	3.6e+27	3.074e-31	2.3e-13	5.1e+45	3.4e+27
1254+360	5390	8.229e-32	5.9e-14	1.2e+45	1.1e+27	7.355e-32	5.5e-14	1.6e+45	1.1e+27
1255+359	5390	6.216e-31	4.4e-13	7.9e+44	6.9e+26	5.504e-31	4.1e-13	8.0e+44	5.3e+26
1256+357	5391	5.478e-31	3.9e-13	1.5e+46	1.3e+28	4.662e-31	3.5e-13	2.0e+46	1.3e+28
1256+357	5390	5.663e-31	4.0e-13	1.5e+46	1.3e+28	4.761e-31	3.6e-13	2.0e+46	1.3e+28
1256+355	5391	<1.713e-31	<1.2e-13	<3.9e+45	<3.4e+27	<1.450e-31	<1.1e-13	<5.1e+45	<3.4e+27
1257+361	5391	<1.171e-31	<8.3e-14	<4.0e+44	<3.5e+26	<1.019e-31	<7.6e-14	<4.4e+44	<2.9e+26
1257+359	5391	<8.143e-32	<5.8e-14	<3.5e+43	<3.1e+25	<7.010e-32	<5.2e-14	<3.2e+43	<2.1e+25
1257+356	5391	<8.938e-32	<6.4e-14	<2.1e+45	<1.9e+27	<7.752e-32	<5.8e-14	<2.9e+45	<1.9e+27
1258+287	2041	<5.951e-31	<4.2e-13	<1.2e+45	<1.0e+27	<5.060e-31	<3.8e-13	<1.2e+45	<8.0e+26
1258+286A	2041	<5.814e-31	<4.1e-13	<1.7e+46	<1.5e+28	<5.033e-31	<3.8e-13	<2.3e+46	<1.5e+28
1258+356	5392	6.887e-31	4.9e-13	3.0e+44	2.6e+26	5.779e-31	4.3e-13	2.7e+44	1.8e+26
1258+343	5717	<3.242e-31	<2.3e-13	<9.8e+44	<8.5e+26	<2.858e-31	<2.1e-13	<1.1e+45	<7.1e+26
1258+286B	2041	<6.424e-31	<4.6e-13	<7.8e+45	<6.8e+27	<5.582e-31	<4.2e-13	<9.7e+45	<6.4e+27
1258+342	5717	2.441e-31	1.7e-13	7.1e+45	6.2e+27	2.118e-31	1.6e-13	9.9e+45	6.6e+27
1259+357	5392	<2.254e-31	<1.6e-13	<7.6e+45	<6.7e+27	<1.926e-31	<1.4e-13	<1.1e+46	<7.0e+27
1259+344A	5717	<5.866e-31	<4.2e-13	<1.8e+46	<1.6e+28	<5.039e-31	<3.8e-13	<2.4e+46	<1.6e+28
1259+361	5392	2.381e-31	1.7e-13	5.5e+44	4.8e+26	1.993e-31	1.5e-13	5.6e+44	3.7e+26
1259+359	5391	1.404e-31	1.0e-13	1.3e+45	1.1e+27	1.191e-31	8.9e-14	1.5e+45	1.0e+27
1259+359	5392	<1.776e-31	<1.3e-13	<1.6e+45	<1.4e+27	<1.522e-31	<1.1e-13	<1.9e+45	<1.3e+27
1259+344B	5717	<4.168e-31	<3.0e-13	<3.4e+46	<3.0e+28	<3.565e-31	<2.7e-13	<5.3e+46	<3.5e+28
1259+360	5392	<1.564e-31	<1.1e-13	<3.6e+45	<3.1e+27	<1.332e-31	<9.9e-14	<4.7e+45	<3.1e+27
1300+360	5392	<1.062e-31	<7.5e-14	<2.4e+44	<2.1e+26	<9.120e-32	<6.8e-14	<2.5e+44	<1.6e+26
1300-243	4034	<4.211e-31	<3.0e-13	<1.9e+46	<1.6e+28	<4.636e-31	<3.5e-13	<3.5e+46	<2.3e+28

TABLE 3B—*Continued*

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5				Fluxes and Luminosities for α_x=1.0			
		Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
1301+359	5392	<8.912e-32	<6.3e-14	<1.3e+45	<1.1e+27	<7.759e-32	<5.8e-14	<1.6e+45	<1.1e+27
1301+361	5392	2.122e-32	1.5e-14	4.5e+44	3.9e+26	1.843e-32	1.4e-14	6.0e+44	4.0e+26
1301+358A	5392	1.888e-30	1.3e-12	8.3e+44	7.2e+26	1.647e-30	1.2e-12	7.7e+44	5.1e+26
1301+358B	5392	<9.045e-32	<6.4e-14	<4.0e+44	<3.5e+26	<7.825e-32	<5.8e-14	<4.4e+44	<3.0e+26
1301+356	5392	2.483e-31	1.8e-13	8.4e+45	7.4e+27	2.099e-31	1.6e-13	1.2e+46	7.7e+27
1302+358	5392	<1.580e-31	<1.1e-13	<5.0e+45	<4.4e+27	<1.377e-31	<1.0e-13	<7.0e+45	<4.7e+27
1302+357	5392	<1.002e-31	<7.1e-14	<1.0e+45	<8.8e+26	<8.654e-32	<6.5e-14	<1.2e+45	<8.1e+26
1302-102	3968	7.646e-30	5.4e-12	2.5e+45	2.2e+27	7.733e-30	5.8e-12	2.7e+45	1.8e+27
1303+355	5392	<2.149e-31	<1.5e-13	<1.1e+45	<9.7e+26	<1.732e-31	<1.3e-13	<1.2e+45	<7.7e+26
1303+357A	5392	<1.949e-31	<1.4e-13	<3.6e+45	<3.1e+27	<1.601e-31	<1.2e-13	<4.5e+45	<3.0e+27
1303+362	5392	<1.615e-31	<1.1e-13	<1.9e+45	<1.6e+27	<1.368e-31	<1.0e-13	<2.3e+45	<1.5e+27
1303+358	5392	<2.431e-31	<1.7e-13	<1.5e+44	<1.3e+26	<1.960e-31	<1.5e-13	<1.3e+44	<8.5e+25
1303+360	5392	<1.205e-31	<8.6e-14	<6.6e+45	<5.7e+27	<9.754e-32	<7.3e-14	<9.2e+45	<6.1e+27
1304+310	2046	<6.739e-31	<4.8e-13	<5.1e+44	<4.5e+26	<5.938e-31	<4.4e-13	<5.0e+44	<3.3e+26
1304+346	2608	4.600e-30	3.3e-12	6.3e+44	5.5e+26	3.965e-30	3.0e-12	5.5e+44	3.6e+26
1307+085	5344	1.183e-29	8.4e-12	1.1e+45	9.3e+26	1.127e-29	8.4e-12	1.0e+45	6.8e+26
1309-056	4260	2.298e-31	1.6e-13	9.8e+45	8.6e+27	2.179e-31	1.6e-13	1.6e+46	1.0e+28
1310-108	8434	1.050e-29	7.5e-12	4.6e+43	4.0e+25	1.020e-29	7.6e-12	4.2e+43	2.8e+25
1311+362	5128	<2.252e-31	<1.6e-13	<8.1e+45	<7.1e+27	<1.923e-31	<1.4e-13	<1.1e+46	<7.5e+27
1316+179	5546	1.641e-31	1.2e-13	1.7e+45	1.5e+27	1.531e-31	1.1e-13	2.3e+45	1.5e+27
1318+290A	525	<6.118e-31	<4.4e-13	<1.3e+46	<1.1e+28	<5.335e-31	<4.0e-13	<1.7e+46	<1.1e+28
1321+294	3982	<2.699e-31	<1.9e-13	<1.4e+45	<1.2e+27	<2.283e-31	<1.7e-13	<1.5e+45	<9.9e+26
1328+254	498	7.925e-31	5.6e-13	5.0e+45	4.4e+27	6.865e-31	5.1e-13	5.8e+45	3.8e+27
1328+307	491	7.381e-31	5.3e-13	2.8e+45	2.4e+27	6.366e-31	4.7e-13	3.0e+45	2.0e+27
1330+022	1956	7.726e-30	5.5e-12	1.4e+45	1.2e+27	6.918e-30	5.2e-12	1.3e+45	8.4e+26
1331+170	4023	5.327e-31	3.8e-13	1.9e+46	1.7e+28	4.949e-31	3.7e-13	2.9e+46	1.9e+28
1332+552	3969	8.839e-31	6.3e-13	8.4e+45	7.4e+27	7.607e-31	5.7e-13	1.0e+46	6.7e+27
1333+176	5376	6.851e-31	4.9e-13	9.6e+44	8.4e+26	6.152e-31	4.6e-13	1.0e+45	6.6e+26
1333+286	4016	<3.732e-31	<2.7e-13	<1.1e+46	<9.3e+27	<3.231e-31	<2.4e-13	<1.5e+46	<9.7e+27
1335-127	7168	8.176e-30	5.8e-12	1.1e+46	9.5e+27	8.435e-30	6.3e-12	1.3e+46	8.6e+27
1340+606	496	2.145e-31	1.5e-13	1.1e+45	9.4e+26	1.995e-31	1.5e-13	1.3e+45	8.7e+26
1346-036	4261	<3.330e-31	<2.4e-13	<1.6e+46	<1.4e+28	<3.100e-31	<2.3e-13	<2.6e+46	<1.7e+28
1351+640	520	<8.607e-31	<6.1e-13	<2.4e+43	<2.1e+25	<7.878e-31	<5.9e-13	<2.2e+43	<1.4e+25
1351+695	10596	4.270e-29	3.0e-11	1.5e+44	1.3e+26	4.052e-29	3.0e-11	1.3e+44	8.6e+25
1352+183	5377	7.434e-30	5.3e-12	6.5e+44	5.6e+26	6.845e-30	5.1e-12	5.9e+44	3.9e+26
1352+011	5378	1.150e-31	8.2e-14	8.3e+44	7.3e+26	1.117e-31	8.3e-14	1.1e+45	7.3e+26
1354-152	7169	1.234e-30	8.8e-13	3.4e+46	3.0e+28	1.360e-30	1.0e-12	5.9e+46	4.0e+28
1355-416	3970	8.720e-30	6.2e-12	3.5e+45	3.0e+27	9.170e-30	6.8e-12	3.9e+45	2.6e+27
1358+043	8334	1.676e-30	1.2e-12	1.3e+45	1.1e+27	1.520e-30	1.1e-12	1.3e+45	8.8e+26
1402-012	5396	1.548e-31	1.1e-13	9.3e+45	8.1e+27	1.575e-31	1.2e-13	1.7e+46	1.1e+28
1402+044	3717	6.197e-32	4.4e-14	7.3e+45	6.4e+27	5.972e-32	4.5e-14	1.3e+46	8.9e+27
1402+261	5379	4.037e-30	2.9e-12	4.1e+44	3.6e+26	3.522e-30	2.6e-12	3.6e+44	2.4e+26
1404+226	5380	7.123e-31	5.1e-13	2.5e+43	2.2e+25	6.511e-31	4.9e-13	2.2e+43	1.5e+25
1407+265	5381	7.063e-30	5.0e-12	3.4e+46	3.0e+28	6.205e-30	4.6e-12	3.9e+46	2.6e+28
1407+524	3547	<3.439e-31	<2.4e-13	<1.3e+46	<1.1e+28	<3.049e-31	<2.3e-13	<1.8e+46	<1.2e+28
1408+523	3547	<3.557e-31	<2.5e-13	<1.5e+46	<1.3e+28	<3.184e-31	<2.4e-13	<2.2e+46	<1.5e+28
1414+091	10437	<2.511e-31	<1.8e-13	<1.2e+46	<1.1e+28	<2.389e-31	<1.8e-13	<2.0e+46	<1.3e+28
1414+252	356	<2.659e-31	<1.9e-13	<6.8e+45	<5.9e+27	<2.409e-31	<1.8e-13	<9.6e+45	<6.4e+27
1415+254	356	<1.572e-31	<1.1e-13	<7.5e+45	<6.5e+27	<1.450e-31	<1.1e-13	<1.2e+46	<7.7e+27
1416-129	5347	1.174e-29	8.3e-12	7.3e+44	6.3e+26	1.276e-29	9.5e-12	7.8e+44	5.2e+26
1416-129	10386	1.419e-29	1.0e-11	8.8e+44	7.7e+26	1.511e-29	1.1e-11	9.2e+44	6.1e+26
1416-129	10373	1.615e-29	1.1e-11	1.0e+45	8.7e+26	1.770e-29	1.3e-11	1.1e+45	7.2e+26
1416-129	10388	1.717e-29	1.2e-11	1.1e+45	9.3e+26	1.826e-29	1.4e-11	1.1e+45	7.4e+26
1416-129	10389	1.780e-29	1.3e-11	1.1e+45	9.6e+26	1.941e-29	1.4e-11	1.2e+45	7.9e+26
1416-129	10387	1.782e-29	1.3e-11	1.1e+45	9.6e+26	1.951e-29	1.5e-11	1.2e+45	7.9e+26
1416+067	502	1.225e-30	8.7e-13	1.7e+46	1.5e+28	1.134e-30	8.5e-13	2.2e+46	1.5e+28
1417-192	1959	8.389e-30	6.0e-12	4.4e+44	3.8e+26	9.005e-30	6.7e-12	4.6e+44	3.1e+26
1417-192	1960	9.800e-30	7.0e-12	5.1e+44	4.5e+26	1.069e-29	8.0e-12	5.5e+44	3.7e+26
1422+202	7306	6.785e-31	4.8e-13	2.7e+45	2.4e+27	6.596e-31	4.9e-13	3.3e+45	2.2e+27
1422+202	4396	7.315e-31	5.2e-13	2.9e+45	2.5e+27	6.937e-31	5.2e-13	3.5e+45	2.3e+27
1425+267	3971	1.028e-30	7.3e-13	5.6e+44	4.9e+26	9.363e-31	7.0e-13	5.5e+44	3.7e+26
1426+015	10374	1.850e-29	1.3e-11	5.0e+44	4.3e+26	1.770e-29	1.3e-11	4.6e+44	3.1e+26
1426+015	10390	1.912e-29	1.4e-11	5.1e+44	4.5e+26	1.823e-29	1.4e-11	4.7e+44	3.2e+26
1426+015	10392	2.022e-29	1.4e-11	5.4e+44	4.7e+26	1.928e-29	1.4e-11	5.0e+44	3.3e+26
1426+015	10391	2.028e-29	1.4e-11	5.5e+44	4.8e+26	1.947e-29	1.5e-11	5.1e+44	3.4e+26
1426+015	10393	2.034e-29	1.4e-11	5.5e+44	4.8e+26	2.025e-29	1.5e-11	5.3e+44	3.5e+26
1426+015	5348	3.313e-29	2.4e-11	8.9e+44	7.8e+26	3.243e-29	2.4e-11	8.5e+44	5.6e+26
1427+109	8468	5.794e-31	4.1e-13	1.2e+46	1.1e+28	5.407e-31	4.0e-13	1.8e+46	1.2e+28
1433+488	2625	6.878e-30	4.9e-12	4.1e+43	3.6e+25	6.500e-30	4.8e-12	3.7e+43	2.4e+25
1435+638	10421	6.898e-31	4.9e-13	2.4e+46	2.1e+28	6.453e-31	4.8e-13	3.7e+46	2.4e+28
1435-067	5382	8.554e-30	6.1e-12	5.3e+44	4.6e+26	8.972e-30	6.7e-12	5.5e+44	3.6e+26
1441+522	6317	2.899e-30	2.1e-12	4.9e+46	4.3e+28	2.618e-30	2.0e-12	6.7e+46	4.4e+28
1442+101	2051	6.984e-31	5.0e-13	1.1e+47	9.6e+28	6.350e-31	4.7e-13	2.0e+47	1.3e+29
1442+101	2050	8.832e-31	6.3e-13	1.4e+47	1.2e+29	8.309e-31	6.2e-13	2.6e+47	1.7e+29
1443+101	2050	<4.317e-31	<3.1e-13	<2.4e+45	<2.1e+27	<3.806e-31	<2.8e-13	<2.8e+45	<1.9e+27
1448-232	5413	<5.673e-31	<4.0e-13	<2.4e+46	<2.1e+28	<6.319e-31	<4.7e-13	<4.5e+46	<3.0e+28
1451-375	3972	4.160e-30	3.0e-12	1.7e+45	1.5e+27	4.444e-30	3.3e-12	1.9e+45	1.3e+27
1458+718	2690	1.966e-30	1.4e-12	8.6e+45	7.5e+27	1.840e-30	1.4e-12	1.0e+46	6.8e+27
1458+718	494	2.094e-30	1.5e-12	9.1e+45	8.0e+27	2.016e-30	1.5e-12	1.1e+46	7.5e+27
1501+106	6713	5.215e-29	3.7e-11	2.4e+44	2.1e+26	4.869e-29	3.6e-11	2.1e+44	1.4e+26
1502+106	7170	5.310e-31	3.8e-13	1.4e+46	1.2e+28	5.161e-31	3.8e-13	2.1e+46	1.4e+28
1502+106	6713	<1.375e-30	<9.8e-13	<3.5e+46	<3.1e+28	<1.272e-30	<9.5e-13	<5.1e+46	<3.4e+28
1504-166	7307	2.419e-30	1.7e-12	9.8e+45	8.5e+27	2.624e-30	2.0e-12	1.3e+46	9.0e+27
1505+218	4060	<5.949e-31	<4.2e-13	<2.3e+46	<2.0e+28	<5.939e-31	<4.4e-13	<3.7e+46	<2.5e+28
1510-089	2052	6.109e-30	4.3e-12	3.3e+45	2.9e+27	6.659e-30	5.0e-12	3.9e+45	2.6e+27
1510-089	2053	7.666e-30	5.5e-12	4.2e+45	3.6e+27	8.309e-30	6.2e-12	4.9e+45	3.2e+27
1512+370	3973	4.925e-30	3.5e-12	2.8e+45	2.5e+27	4.341e-30	3.2e-12	2.7e+45	1.8e+27
1517+239	4263	<1.076e-30	<7.7e-13	<3.0e+46	<2.6e+28	<1.094e-30	<8.2e-13	<4.9e+46	<3.2e+28
1518+202	10407	<1.344e-31	<9.6e-14	<4.9e+45	<4.3e+27	<1.332e-31	<9.9e-14	<8.0e+45	<5.3e+27
1519+226	5383	3.508e-30	2.5e-12	2.5e+44	2.1e+26	3.544e-30	2.6e-12	2.5e+44	1.6e+26
1522+155	10086	4.283e-31	3.0e-13	8.0e+44	7.0e+26	4.107e-31	3.1e-13	9.1e+44	6.0e+26
1523+214	3983	<1.011e-30	<7.2e-13	<2.9e+46	<2.6e+28	<1.036e-30	<7.7e-13	<4.8e+46	<3.2e+28

TABLE 3B—*Continued*

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5				Fluxes and Luminosities for α_x=1.0			
		Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
1524-136	3911	<6.831e-31	<4.9e-13	<1.4e+46	<1.2e+28	<7.640e-31	<5.7e-13	<2.4e+46	<1.6e+28
1524-136	3910	7.699e-31	5.5e-13	1.6e+46	1.4e+28	8.581e-31	6.4e-13	2.7e+46	1.8e+28
1525+227	10368	1.651e-31	1.2e-13	4.2e+43	3.6e+25	1.660e-31	1.2e-13	4.4e+43	2.9e+25
1525+227	3974	8.991e-31	6.4e-13	2.3e+44	2.0e+26	9.184e-31	6.8e-13	2.4e+44	1.6e+26
1531+359	2649	<3.813e-31	<2.7e-13	<3.5e+43	<3.1e+25	<3.572e-31	<2.7e-13	<3.3e+43	<2.2e+25
1534+580	2614	2.925e-29	2.1e-11	8.7e+43	7.6e+25	2.709e-29	2.0e-11	7.6e+43	5.0e+25
1545+210	2055	1.057e-29	7.5e-12	2.9e+45	2.6e+27	1.079e-29	8.0e-12	3.1e+45	2.1e+27
1545+210	2054	1.142e-29	8.1e-12	3.2e+45	2.8e+27	1.163e-29	8.7e-12	3.4e+45	2.2e+27
1546+027	5397	4.392e-30	3.1e-12	3.2e+45	2.8e+27	4.686e-30	3.5e-12	3.8e+45	2.5e+27
1548+116	2713	<5.628e-31	<4.0e-13	<5.8e+45	<5.1e+27	<5.700e-31	<4.3e-13	<8.3e+45	<5.5e+27
1548+116	524	<1.113e-30	<7.9e-13	<1.2e+46	<1.0e+28	<1.098e-30	<8.2e-13	<1.6e+46	<1.1e+28
1548+114A	2713	2.919e-30	2.1e-12	2.4e+45	2.1e+27	2.955e-30	2.2e-12	2.7e+45	1.8e+27
1548+114A	524	4.362e-30	3.1e-12	3.6e+45	3.1e+27	4.358e-30	3.3e-12	4.0e+45	2.6e+27
1552+085	5384	2.827e-31	2.0e-13	1.5e+43	1.3e+25	2.799e-31	2.1e-13	1.4e+43	9.6e+24
1552+193	2615	7.534e-30	5.4e-12	3.3e+43	2.9e+25	7.568e-30	5.6e-12	3.1e+43	2.1e+25
1555+001	7172	<7.494e-31	<5.3e-13	<1.7e+46	<1.5e+28	<8.077e-31	<6.0e-13	<2.9e+46	<1.9e+28
1556+335	4264	3.833e-31	2.7e-13	7.4e+45	6.5e+27	3.542e-31	2.6e-13	1.0e+46	6.9e+27
1559+088	10438	7.295e-31	5.2e-13	3.3e+46	2.9e+28	7.216e-31	5.4e-13	5.5e+46	3.6e+28
1601+182	3713	<1.367e-31	<9.7e-14	<1.7e+46	<1.5e+28	<1.368e-31	<1.0e-13	<3.2e+46	<2.1e+28
1601+184A	3713	<1.598e-31	<1.1e-13	<7.6e+45	<6.6e+27	<1.601e-31	<1.2e-13	<1.3e+46	<8.5e+27
1601+184B	3713	<1.122e-31	<8.0e-14	<3.3e+45	<2.9e+27	<1.114e-31	<8.3e-14	<5.3e+45	<3.5e+27
1606+289	5719	1.015e-31	7.2e-14	3.2e+45	2.8e+27	1.001e-31	7.5e-14	5.1e+45	3.4e+27
1611+343	7309	5.722e-31	4.1e-13	7.3e+45	6.4e+27	5.164e-31	3.9e-13	9.5e+45	6.3e+27
1611+343	7310	7.037e-31	5.0e-13	9.0e+45	7.8e+27	6.240e-31	4.7e-13	1.1e+46	7.6e+27
1612+266	2056	<8.773e-31	<6.2e-13	<5.8e+44	<5.1e+26	<8.899e-31	<6.6e-13	<6.4e+44	<4.3e+26
1612+266	2057	1.845e-30	1.3e-12	1.2e+45	1.1e+27	1.845e-30	1.4e-12	1.3e+45	8.9e+26
1612+261	2056	9.336e-30	6.6e-12	6.0e+44	5.2e+26	9.223e-30	6.9e-12	5.8e+44	3.9e+26
1612+261	2057	1.075e-29	7.6e-12	6.9e+44	6.0e+26	1.073e-29	8.0e-12	6.8e+44	4.5e+26
1613+658	5385	7.560e-30	5.4e-12	4.7e+44	4.1e+26	7.514e-30	5.6e-12	4.6e+44	3.0e+26
1613+658	10395	1.400e-29	1.0e-11	8.7e+44	7.6e+26	1.331e-29	9.9e-12	8.1e+44	5.4e+26
1613+658	10396	1.411e-29	1.0e-11	8.7e+44	7.6e+26	1.369e-29	1.0e-11	8.4e+44	5.6e+26
1613+658	10375	1.435e-29	1.0e-11	8.9e+44	7.7e+26	1.408e-29	1.1e-11	8.6e+44	5.7e+26
1613+658	10394	1.551e-29	1.1e-11	9.6e+44	8.4e+26	1.474e-29	1.1e-11	9.0e+44	6.0e+26
1613+658	10397	1.583e-29	1.1e-11	9.8e+44	8.5e+26	1.566e-29	1.2e-11	9.6e+44	6.4e+26
1613+055	3716	<1.863e-31	<1.3e-13	<1.2e+46	<1.1e+28	<1.922e-31	<1.4e-13	<2.2e+46	<1.5e+28
1614+051	3716	2.380e-31	1.7e-13	2.8e+46	2.5e+28	2.384e-31	1.8e-13	5.4e+46	3.6e+28
1614+051	7517	3.061e-31	2.2e-13	3.6e+46	3.2e+28	3.203e-31	2.4e-13	7.3e+46	4.8e+28
1615+324	6319	1.282e-30	9.1e-13	1.1e+44	9.7e+25	1.179e-30	8.8e-13	1.0e+44	6.8e+25
1617+175	5350	3.706e-30	2.6e-12	1.8e+44	1.6e+26	3.790e-30	2.8e-12	1.8e+44	1.2e+26
1617+175	484	4.345e-30	3.1e-12	2.1e+44	1.8e+26	4.397e-30	3.3e-12	2.1e+44	1.4e+26
1618+177	5350	1.340e-30	9.5e-13	1.9e+45	1.6e+27	1.394e-30	1.0e-12	2.3e+45	1.5e+27
1618+177	484	1.690e-30	1.2e-12	2.4e+45	2.1e+27	1.717e-30	1.3e-12	2.8e+45	1.9e+27
1622+268	6679	3.056e-31	2.2e-13	1.2e+46	1.1e+28	2.972e-31	2.2e-13	1.9e+46	1.3e+28
1622+268	4053	<5.117e-31	<3.6e-13	<2.0e+46	<1.8e+28	<4.948e-31	<3.7e-13	<3.2e+46	<2.1e+28
1622+269	6679	<9.781e-32	<7.0e-14	<1.1e+46	<9.7e+27	<9.686e-32	<7.2e-14	<2.1e+46	<1.4e+28
1622+238	495	4.618e-31	3.3e-13	2.1e+45	1.9e+27	4.787e-31	3.6e-13	2.9e+45	1.9e+27
1623+271	6679	9.005e-32	6.4e-14	1.2e+45	1.1e+27	8.779e-32	6.5e-14	1.7e+45	1.2e+27
1623+271	4053	<4.737e-31	<3.4e-13	<6.5e+45	<5.7e+27	<4.588e-31	<3.4e-13	<9.1e+45	<6.1e+27
1623+269A	4053	3.029e-31	2.2e-13	9.3e+44	8.1e+26	3.061e-31	2.3e-13	1.2e+45	7.7e+26
1623+269A	6679	4.137e-31	2.9e-13	1.3e+45	1.1e+27	4.099e-31	3.1e-13	1.6e+45	1.0e+27
1623+269A	5720	4.649e-31	3.3e-13	1.4e+45	1.2e+27	4.598e-31	3.4e-13	1.7e+45	1.2e+27
1623+270	6679	<9.322e-32	<6.6e-14	<4.4e+45	<3.8e+27	<9.234e-32	<6.9e-14	<7.3e+45	<4.9e+27
1623+270	4053	<3.019e-31	<2.1e-13	<1.4e+46	<1.2e+28	<2.936e-31	<2.2e-13	<2.3e+46	<1.5e+28
1623+269B	4053	<2.620e-31	<1.9e-13	<7.4e+45	<6.4e+27	<2.657e-31	<2.0e-13	<1.2e+46	<7.8e+27
1623+268A	6679	<8.857e-32	<6.3e-14	<5.2e+45	<4.5e+27	<8.749e-32	<6.5e-14	<8.9e+45	<5.9e+27
1623+268A	4053	<6.427e-31	<4.6e-13	<3.7e+46	<3.3e+28	<6.517e-31	<4.9e-13	<6.6e+46	<4.4e+28
1623+268B	6679	4.985e-32	3.5e-14	3.0e+45	2.6e+27	4.885e-32	3.6e-14	5.1e+45	3.4e+27
1623+268B	4053	<5.545e-31	<3.9e-13	<3.3e+46	<2.9e+28	<5.437e-31	<4.1e-13	<5.7e+46	<3.8e+28
1623+268C	6679	<9.632e-32	<6.9e-14	<6.4e+45	<5.6e+27	<9.416e-32	<7.0e-14	<1.1e+46	<7.3e+27
1623+268C	4053	<4.329e-31	<3.1e-13	<2.9e+46	<2.5e+28	<4.243e-31	<3.2e-13	<4.9e+46	<3.3e+28
1624+269	6679	<8.415e-32	<6.0e-14	<3.4e+45	<3.0e+27	<8.150e-32	<6.1e-14	<5.5e+45	<3.6e+27
1624+269	4053	<7.481e-31	<5.3e-13	<3.0e+46	<2.6e+28	<7.361e-31	<5.5e-13	<4.9e+46	<3.3e+28
1631+627	4054	<1.340e-30	<9.5e-13	<4.1e+46	<3.6e+28	<1.293e-30	<9.6e-13	<6.3e+46	<4.2e+28
1632+391	2058	<6.878e-31	<4.9e-13	<4.6e+45	<4.0e+27	<5.579e-31	<4.2e-13	<5.0e+45	<3.3e+27
1633+630	4054	<1.537e-30	<1.1e-12	<6.0e+46	<5.2e+28	<1.437e-30	<1.1e-12	<9.3e+46	<6.2e+28
1633+382	2058	1.041e-30	7.4e-13	2.6e+46	2.3e+28	9.005e-31	6.7e-13	3.5e+46	2.3e+28
1634+628	4054	<2.294e-30	<1.6e-12	<1.2e+46	<1.1e+28	<2.142e-30	<1.6e-12	<1.5e+46	<1.0e+28
1634+269	8349	8.561e-31	6.1e-13	1.2e+45	1.1e+27	8.720e-31	6.5e-13	1.5e+45	9.7e+26
1634+706	5351	1.314e-30	9.3e-13	1.5e+46	1.3e+28	1.340e-30	1.0e-12	2.1e+46	1.4e+28
1635+119	5425	3.097e-30	2.2e-12	2.5e+44	2.2e+26	3.194e-30	2.4e-12	2.5e+44	1.7e+26
1635+119	567	4.499e-30	3.2e-12	3.6e+44	3.1e+26	4.659e-30	3.5e-12	3.7e+44	2.5e+26
1635+630	4054	<9.963e-31	<7.1e-13	<2.9e+46	<2.5e+28	<9.072e-31	<6.8e-13	<4.2e+46	<2.8e+28
1641+399A	2060	6.878e-30	4.9e-12	1.1e+46	9.9e+27	5.896e-30	4.4e-12	1.1e+46	7.6e+27
1641+399A	2061	7.368e-30	5.2e-12	1.2e+46	1.1e+28	6.260e-30	4.7e-12	1.2e+46	8.0e+27
1641+399A	5694	8.031e-30	5.7e-12	1.3e+46	1.2e+28	6.759e-30	5.0e-12	1.3e+46	8.7e+27
1641+399B	5694	3.011e-30	2.1e-12	9.7e+46	8.5e+28	2.508e-30	1.9e-12	1.3e+47	8.6e+28
1641+399B	2061	3.579e-30	2.5e-12	1.2e+47	1.0e+29	3.065e-30	2.3e-12	1.6e+47	1.1e+29
1655+077	3997	2.210e-30	1.6e-12	4.0e+45	3.5e+27	2.369e-30	1.8e-12	5.1e+45	3.4e+27
1656+053	8469	5.011e-30	3.6e-12	2.1e+46	1.8e+28	5.270e-30	3.9e-12	2.8e+46	1.9e+28
1659+294	2628	6.065e-30	4.3e-12	2.8e+43	2.4e+25	6.208e-30	4.6e-12	2.7e+43	1.8e+25
1703+608	510	6.563e-31	4.7e-13	2.1e+46	1.8e+28	6.374e-31	4.8e-13	3.2e+46	2.1e+28
1704+608	4208	9.946e-31	7.1e-13	5.7e+44	5.0e+26	9.124e-31	6.8e-13	5.7e+44	3.8e+26
1704+608	5688	1.268e-30	9.0e-13	7.3e+44	6.4e+26	1.190e-30	8.9e-13	7.5e+44	5.0e+26
1704+608	2063	1.295e-30	9.2e-13	7.4e+44	6.5e+26	1.209e-30	9.0e-13	7.6e+44	5.0e+26
1704+608	5716	1.315e-30	9.4e-13	7.6e+44	6.6e+26	1.238e-30	9.2e-13	7.8e+44	5.2e+26
1704+608	2062	1.756e-30	1.2e-12	1.0e+45	8.8e+26	1.641e-30	1.2e-12	1.0e+45	6.8e+26
1704+608	510	2.267e-30	1.6e-12	1.3e+45	1.1e+27	2.193e-30	1.6e-12	1.4e+45	9.1e+26
1720+246	420	8.402e-31	6.0e-13	9.8e+43	8.5e+25	8.634e-31	6.4e-13	1.0e+44	6.7e+25
1720+309	2629	1.275e-29	9.1e-12	8.4e+43	7.3e+25	1.280e-29	9.5e-12	8.0e+43	5.3e+25
1721+343	3975	2.430e-29	1.7e-11	4.0e+45	3.5e+27	2.385e-29	1.8e-11	4.0e+45	2.6e+27
1725+044	4230	1.388e-30	9.9e-13	4.9e+44	4.3e+26	1.433e-30	1.1e-12	5.4e+44	3.6e+26
1730-130	10080	1.548e-30	1.1e-12	6.7e+45	5.8e+27	1.830e-30	1.4e-12	1.0e+46	6.7e+27

TABLE 3B—*Continued*

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5: Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Fluxes and Luminosities for α_x=0.5: Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Fluxes and Luminosities for α_x=0.5: Luminosity (0.2-4.5 keV) ergs s^{-1}	Fluxes and Luminosities for α_x=0.5: Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Fluxes and Luminosities for α_x=1.0: Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Fluxes and Luminosities for α_x=1.0: Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Fluxes and Luminosities for α_x=1.0: Luminosity (0.2-4.5 keV) ergs s^{-1}	Fluxes and Luminosities for α_x=1.0: Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
1730-130	7173	2.007e-30	1.4e-12	8.7e+45	7.6e+27	2.356e-30	1.8e-12	1.3e+46	8.7e+27
1730-130	3888	2.132e-30	1.5e-12	9.2e+45	8.1e+27	2.519e-30	1.9e-12	1.4e+46	9.3e+27
1739+522	7174	1.128e-30	8.0e-13	1.4e+46	1.2e+28	1.123e-30	8.4e-13	2.0e+46	1.3e+28
1746+201	7611	<1.937e-31	<1.4e-13	<5.4e+45	<4.7e+27	<2.071e-31	<1.5e-13	<9.2e+45	<6.1e+27
1748+687	2630	1.004e-30	7.1e-13	1.0e+43	8.8e+24	1.032e-30	7.7e-13	9.9e+42	6.6e+24
1756+237	5129	7.468e-31	5.3e-13	1.6e+46	1.4e+28	8.163e-31	6.1e-13	2.7e+46	1.8e+28
1757+236	10755	2.529e-31	1.8e-13	8.1e+45	7.1e+27	2.775e-31	2.1e-13	1.4e+46	9.5e+27
1757+236	10754	<3.463e-31	<2.5e-13	<1.1e+46	<9.7e+27	<3.817e-31	<2.8e-13	<2.0e+46	<1.3e+28
1803+676	4265	4.624e-30	3.3e-12	3.2e+44	2.8e+26	4.718e-30	3.5e-12	3.2e+44	2.1e+26
1821+107	10422	6.021e-31	4.3e-13	7.1e+45	6.2e+27	6.825e-31	5.1e-13	1.2e+46	7.7e+27
1828+487	487	4.803e-30	3.4e-12	1.1e+46	9.7e+27	5.032e-30	3.8e-12	1.4e+46	9.4e+27
1833+326	2650	2.843e-29	2.0e-11	3.5e+44	3.1e+26	3.080e-29	2.3e-11	3.7e+44	2.4e+26
1845+797	5690	1.157e-29	8.2e-12	1.3e+44	1.2e+26	1.190e-29	8.9e-12	1.3e+44	8.8e+25
1936-155	3987	5.117e-31	3.6e-13	1.0e+46	8.8e+27	5.714e-31	4.3e-13	1.7e+46	1.1e+28
1939-104	354	3.686e-30	2.6e-12	3.2e+41	2.8e+23	4.065e-30	3.0e-12	3.3e+41	2.2e+23
1958-179	7177	1.741e-30	1.2e-12	3.5e+45	3.1e+27	1.891e-30	1.4e-12	4.5e+45	3.0e+27
2037-012	8415	<3.240e-31	<2.3e-13	<1.2e+46	<1.0e+28	<3.469e-31	<2.6e-13	<2.1e+46	<1.4e+28
2037+511	2179	<2.825e-30	<2.0e-12	<5.8e+46	<5.1e+28	<3.628e-30	<2.7e-12	<1.1e+47	<7.5e+28
2037-005	8415	6.401e-31	4.6e-13	1.1e+45	9.4e+26	6.635e-31	4.9e-13	1.3e+45	8.7e+26
2038-011	8415	<1.856e-31	<1.3e-13	<8.3e+45	<7.2e+27	<1.975e-31	<1.5e-13	<1.5e+46	<9.8e+27
2112+059A	8437	<8.057e-31	<5.7e-13	<7.7e+44	<6.7e+26	<8.654e-31	<6.5e-13	<9.3e+44	<6.1e+26
2112+059B	8437	<8.607e-31	<6.1e-13	<5.8e+44	<5.0e+26	<9.111e-31	<6.8e-13	<6.7e+44	<4.5e+26
2120+168	504	<3.129e-31	<2.2e-13	<7.7e+45	<6.7e+27	<3.411e-31	<2.5e-13	<1.3e+46	<8.7e+27
2121+053	2064	2.261e-30	1.6e-12	6.2e+46	5.4e+28	2.401e-30	1.8e-12	1.0e+47	6.8e+28
2125-148	528	<2.052e-31	<1.5e-13	<9.6e+45	<8.4e+27	<2.119e-31	<1.6e-13	<1.7e+46	<1.1e+28
2126-150A	528	1.829e-31	1.3e-13	7.6e+45	6.6e+27	1.924e-31	1.4e-13	1.3e+46	8.8e+27
2126-158	5280	5.268e-30	3.7e-12	6.6e+47	5.8e+29	5.525e-30	4.1e-12	1.3e+48	8.8e+29
2126-150B	528	<1.904e-31	<1.4e-13	<7.0e+45	<6.1e+27	<2.000e-31	<1.5e-13	<1.2e+46	<8.0e+27
2128-123	8413	4.886e-30	3.5e-12	5.5e+45	4.8e+27	5.054e-30	3.8e-12	6.4e+45	4.3e+27
2130+099	1972	8.852e-30	6.3e-12	1.2e+44	1.0e+26	9.117e-30	6.8e-12	1.2e+44	7.7e+25
2130+099	1971	1.814e-29	1.3e-11	2.4e+44	2.1e+26	1.879e-29	1.4e-11	2.4e+44	1.6e+26
2134+004	543	1.136e-30	8.1e-13	3.4e+46	2.9e+28	1.126e-30	8.4e-13	5.3e+46	3.5e+28
2135-147	5426	1.014e-29	7.2e-12	1.6e+45	1.4e+27	1.050e-29	7.8e-12	1.6e+45	1.1e+27
2135-147	531	1.298e-29	9.2e-12	2.0e+45	1.7e+27	1.356e-29	1.0e-11	2.1e+45	1.4e+27
2141+175	4647	2.226e-30	1.6e-12	3.9e+44	3.4e+26	2.477e-30	1.8e-12	4.5e+44	3.0e+26
2141+175	9668	2.273e-30	1.6e-12	4.0e+44	3.5e+26	2.520e-30	1.9e-12	4.5e+44	3.0e+26
2141+175	9672	2.450e-30	1.7e-12	4.3e+44	3.8e+26	2.719e-30	2.0e-12	4.9e+44	3.2e+26
2141+175	9667	2.454e-30	1.7e-12	4.3e+44	3.8e+26	2.724e-30	2.0e-12	4.9e+44	3.3e+26
2141+037	3958	<2.358e-31	<1.7e-13	<5.7e+45	<5.0e+27	<2.450e-31	<1.8e-13	<9.3e+45	<6.2e+27
2143+040	3958	<1.203e-32	<8.6e-15	<3.9e+44	<3.4e+26	<1.237e-32	<9.2e-15	<6.4e+44	<4.3e+26
2143-156	4000	1.735e-30	1.2e-12	4.2e+45	3.6e+27	1.746e-30	1.3e-12	5.1e+45	3.4e+27
2145+067	5130	5.307e-30	3.8e-12	2.9e+46	2.5e+28	5.533e-30	4.1e-12	3.9e+46	2.6e+28
2155+034	3959	<2.265e-31	<1.6e-13	<6.4e+45	<5.6e+27	<2.357e-31	<1.8e-13	<1.0e+46	<7.0e+27
2201+315	7182	6.679e-30	4.8e-12	2.4e+45	2.1e+27	7.335e-30	5.5e-12	2.8e+45	1.8e+27
2201+315	3976	8.263e-30	5.9e-12	2.9e+45	2.6e+27	9.230e-30	6.9e-12	3.5e+45	2.3e+27
2201+171	7483	8.667e-31	6.2e-13	5.7e+45	5.0e+27	9.223e-31	6.9e-13	8.2e+45	5.4e+27
2204-408	3722	9.886e-33	7.0e-15	1.1e+45	9.9e+26	8.852e-33	6.6e-15	1.9e+45	1.3e+27
2206-474	6714	1.192e-28	8.5e-11	1.5e+43	1.3e+25	1.111e-28	8.3e-11	1.3e+43	8.7e+24
2209+184	8438	1.364e-29	9.7e-12	2.4e+44	2.1e+26	1.405e-29	1.0e-11	2.4e+44	1.6e+26
2214+139	2616	8.707e-31	6.2e-13	1.4e+43	1.2e+25	8.899e-31	6.6e-13	1.4e+43	9.2e+24
2216-038	2068	2.084e-30	1.5e-12	9.0e+45	7.9e+27	2.199e-30	1.6e-12	1.2e+46	8.1e+27
2221-023	1973	7.355e-31	5.2e-13	8.6e+42	7.5e+24	7.693e-31	5.7e-13	8.6e+42	5.7e+24
2223-052	8022	5.843e-30	4.2e-12	7.5e+46	6.5e+28	6.165e-30	4.6e-12	1.1e+47	7.6e+28
2223-052	519	9.044e-30	6.4e-12	1.2e+47	1.0e+29	9.369e-30	7.0e-12	1.7e+47	1.2e+29
2223-052	4646	1.341e-29	9.5e-12	1.7e+47	1.5e+29	1.404e-29	1.0e-11	2.6e+47	1.7e+29
2223+210	5131	4.631e-30	3.3e-12	1.4e+47	1.2e+29	4.860e-30	3.6e-12	2.4e+47	1.6e+29
2225-055	4017	<1.505e-30	<1.1e-12	<4.7e+46	<4.1e+28	<1.565e-30	<1.2e-12	<7.9e+46	<5.2e+28
2230+114	4042	4.327e-30	3.1e-12	2.6e+46	2.3e+28	4.533e-30	3.4e-12	3.6e+46	2.4e+28
2230+114	7184	7.448e-30	5.3e-12	4.5e+46	3.9e+28	7.998e-30	6.0e-12	6.4e+46	4.3e+28
2232+134	5386	<9.813e-31	<7.0e-13	<5.7e+45	<5.0e+27	<1.003e-30	<7.5e-13	<7.7e+45	<5.1e+27
2233+134	5386	1.475e-30	1.0e-12	6.4e+44	5.6e+26	1.507e-30	1.1e-12	7.0e+44	4.6e+26
2233+136	5386	<5.122e-31	<3.6e-13	<6.0e+46	<5.3e+28	<5.213e-31	<3.9e-13	<1.2e+47	<7.8e+28
2234+282	10087	6.699e-31	4.8e-13	2.1e+45	1.9e+27	7.216e-31	5.4e-13	2.9e+45	1.9e+27
2251+158	492	6.154e-30	4.4e-12	2.4e+46	2.1e+28	6.553e-30	4.9e-12	3.2e+46	2.1e+28
2251+158	3908	7.110e-30	5.1e-12	2.7e+46	2.4e+28	7.587e-30	5.7e-12	3.7e+46	2.5e+28
2251+113	2073	<6.792e-31	<4.8e-13	<2.9e+44	<2.5e+26	<7.070e-31	<5.3e-13	<3.2e+44	<2.1e+26
2251+113	2072	<1.083e-30	<7.7e-13	<4.6e+44	<4.0e+26	<1.121e-30	<8.4e-13	<5.1e+44	<3.4e+26
2253+417	5144	8.402e-31	6.0e-13	1.2e+46	1.1e+28	9.263e-31	6.9e-13	2.0e+46	1.3e+28
2254+024	4024	3.728e-31	2.7e-13	1.3e+46	1.2e+28	3.925e-31	2.9e-13	2.3e+46	1.5e+28
2255+416	5144	6.507e-31	4.6e-13	3.1e+45	2.7e+27	7.308e-31	5.5e-13	4.5e+45	3.0e+27
2300+086	1977	4.854e-29	3.5e-11	4.9e+43	4.3e+25	5.076e-29	3.8e-11	4.8e+43	3.2e+25
2300+086	1978	5.503e-29	3.9e-11	5.6e+43	4.9e+25	5.779e-29	4.3e-11	5.5e+43	3.7e+25
2301+223	2617	1.948e-30	1.4e-12	1.1e+43	9.7e+24	2.059e-30	1.5e-12	1.1e+43	7.4e+24
2305+187	3977	3.599e-30	2.6e-12	1.4e+45	1.3e+27	3.880e-30	2.9e-12	1.6e+45	1.1e+27
2316-000	6719	8.673e-30	6.2e-12	2.6e+43	2.3e+25	8.402e-30	6.3e-12	2.4e+43	1.6e+25
2344+092	538	2.569e-30	1.8e-12	5.6e+45	4.9e+27	2.695e-30	2.0e-12	7.0e+45	4.7e+27
2345-167	2076	1.209e-30	8.6e-13	1.8e+45	1.6e+27	1.086e-30	8.1e-13	1.9e+45	1.3e+27
2345-167	2077	1.443e-30	1.0e-12	2.2e+45	1.9e+27	1.303e-30	9.7e-13	2.3e+45	1.5e+27
2345+184	1982	2.243e-31	1.6e-13	4.2e+44	3.7e+26	2.261e-31	1.7e-13	5.0e+44	3.4e+26
2345+184	1981	6.633e-31	4.7e-13	1.2e+45	1.1e+27	6.706e-31	5.0e-13	1.5e+45	9.9e+26
2348-014	5387	<6.081e-31	<4.3e-13	<2.1e+46	<1.8e+28	<5.982e-31	<4.5e-13	<3.3e+46	<2.2e+28
2349-014	5387	1.260e-29	9.0e-12	1.4e+45	1.3e+27	1.174e-29	8.8e-12	1.4e+45	9.0e+26
2349-015	5387	<8.879e-32	<6.3e-14	<3.7e+45	<3.2e+27	<8.329e-32	<6.2e-14	<5.8e+45	<3.8e+27
2353+072A	3167	1.383e-30	9.8e-13	7.9e+42	6.9e+24	1.442e-30	1.1e-12	7.8e+42	5.2e+24
2353+072B	2651	5.914e-31	4.2e-13	2.9e+44	2.5e+26	6.176e-31	4.6e-13	3.2e+44	2.1e+26
2357-348	4268	3.586e-31	2.6e-13	1.3e+46	1.1e+28	3.036e-31	2.3e-13	1.7e+46	1.2e+28

[a] This table is also published in computer-readable form in the AAS CD-ROM Series, Vol. 2.

TABLE 3C

FLUXES AND LUMINOSITIES FOR ENERGY INDICES OF 1.5 AND 2.0[a]

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5				Fluxes and Luminosities for α_x=1.0			
		Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
0002-422	4247	<5.839e-31	<5.5e-13	<1.8e+47	<7.4e+28	<3.839e-31	<5.5e-13	<3.1e+47	6.7e+28
0003+158	5360	6.284e-30	6.0e-12	8.4e+45	3.5e+27	4.981e-30	7.2e-12	1.1e+46	2.4e+27
0007-000	8450	<7.004e-31	<6.7e-13	<1.2e+47	<4.8e+28	<5.336e-31	<7.7e-13	<2.2e+47	<4.7e+28
0007+106	10125	5.247e-30	5.0e-12	1.7e+44	7.2e+25	4.673e-30	6.7e-12	2.2e+44	4.7e+25
0007+106	6718	2.006e-29	1.9e-11	6.6e+44	2.8e+26	1.736e-29	2.5e-11	8.1e+44	1.8e+26
0007+106	2634	4.243e-29	4.0e-11	1.4e+45	5.8e+26	3.683e-29	5.3e-11	1.7e+45	3.7e+26
0007+171	3999	7.998e-31	7.6e-13	3.9e+46	1.6e+28	6.453e-31	9.3e-13	6.9e+46	1.5e+28
0009-016	8451	<2.878e-31	<2.7e-13	<2.9e+46	<1.2e+28	<2.180e-31	<3.1e-13	<5.2e+46	<1.1e+28
0013-004	8453	<3.084e-31	<2.9e-13	<3.6e+46	<1.5e+28	<2.258e-31	<3.3e-13	<6.3e+46	<1.4e+28
0014+166	5361	<3.112e-31	<3.0e-13	<1.3e+43	<5.5e+24	<2.468e-31	<3.6e-13	<1.5e+43	<3.2e+24
0014+318	2718	7.057e-31	6.7e-13	1.1e+46	4.4e+27	5.972e-31	8.6e-13	1.7e+46	3.8e+27
0014+159	7597	<1.210e-31	<1.1e-13	<1.7e+46	<7.0e+27	<9.469e-32	<1.4e-13	<3.2e+46	<7.0e+27
0014+159	6834	<1.931e-31	<1.8e-13	<2.7e+46	<1.1e+28	<1.525e-31	<2.2e-13	<5.2e+46	<1.1e+28
0015+155	6834	<2.536e-31	<2.4e-13	<4.1e+46	<1.7e+28	<1.974e-31	<2.8e-13	<7.9e+46	<1.7e+28
0016+731	7583	1.224e-30	1.2e-12	8.5e+46	3.5e+28	1.324e-30	1.9e-12	2.1e+47	4.5e+28
0017+154	505	2.369e-31	2.3e-13	2.5e+46	1.0e+28	1.851e-31	2.7e-13	4.5e+46	9.8e+27
0019+011	8452	<3.220e-31	<3.1e-13	<4.0e+46	<1.7e+28	<2.311e-31	<3.3e-13	<6.8e+46	<1.5e+28
0019+011	5114	<8.459e-31	<8.0e-13	<1.0e+47	<4.3e+28	<6.072e-31	<8.7e-13	<1.8e+47	<3.9e+28
0026+129	518	1.128e-29	1.1e-11	1.0e+45	4.2e+26	9.084e-30	1.3e-11	1.2e+45	2.6e+26
0026+129	5417	1.161e-29	1.1e-11	1.1e+45	4.4e+26	9.349e-30	1.3e-11	1.2e+45	2.7e+26
0026+129	9551	1.167e-29	1.1e-11	1.1e+45	4.4e+26	9.369e-30	1.3e-11	1.2e+45	2.7e+26
0026+129	9550	1.180e-29	1.1e-11	1.1e+45	4.4e+26	9.482e-30	1.4e-11	1.2e+45	2.7e+26
0026+129	9553	1.217e-29	1.2e-11	1.1e+45	4.6e+26	9.740e-30	1.4e-11	1.3e+45	2.8e+26
0026+129	9552	1.338e-29	1.3e-11	1.2e+45	5.0e+26	1.072e-29	1.5e-11	1.4e+45	3.0e+26
0037-018	5393	<4.164e-31	<4.0e-13	<7.2e+46	<3.0e+28	<3.088e-31	<4.4e-13	<1.3e+47	<2.9e+28
0038-020	5393	7.096e-31	6.7e-13	1.3e+46	5.6e+27	5.286e-31	7.6e-13	2.0e+46	4.3e+27
0043+008	4020	<4.414e-31	<4.2e-13	<5.7e+46	<2.3e+28	<3.146e-31	<4.5e-13	<9.7e+46	<2.1e+28
0044+030	5362	1.170e-30	1.1e-12	3.7e+45	1.5e+27	8.740e-31	1.3e-12	4.7e+45	1.0e+27
0049+171	8431	1.872e-29	1.8e-11	3.1e+44	1.3e+26	1.513e-29	2.2e-11	3.5e+44	7.6e+25
0049+007	8454	1.417e-32	1.3e-14	2.2e+45	9.2e+26	1.162e-32	1.7e-14	4.4e+45	9.6e+26
0049+014	8455	2.900e-31	2.8e-13	4.8e+46	2.0e+28	2.089e-31	3.0e-13	8.5e+46	1.8e+28
0050+124	2632	2.018e-29	1.9e-11	3.0e+44	1.2e+26	1.706e-29	2.5e-11	3.6e+44	7.7e+25
0051+291	5123	1.205e-30	1.1e-12	9.1e+46	3.8e+28	1.040e-30	1.5e-12	1.8e+47	3.9e+28
0051+146	541	<2.780e-31	<2.6e-13	<2.2e+45	<9.1e+26	<2.251e-31	<3.2e-13	<3.3e+45	<7.2e+26
0052+145	541	<2.945e-31	<2.8e-13	<2.6e+45	<1.1e+27	<2.454e-31	<3.5e-13	<4.1e+45	<8.9e+26
0052+251	5334	1.235e-29	1.2e-11	1.4e+45	5.6e+26	1.009e-29	1.5e-11	1.6e+45	3.5e+26
0054+144	5418	5.693e-30	5.4e-12	7.8e+44	3.2e+26	4.649e-30	6.7e-12	9.3e+44	2.0e+26
0054+144	4248	5.927e-30	5.6e-12	8.1e+44	3.4e+26	4.968e-30	7.2e-12	1.0e+45	2.2e+26
0055+004	8456	<5.251e-31	<5.0e-13	<4.7e+46	<1.9e+28	<3.916e-31	<5.6e-13	<8.0e+46	<1.7e+28
0056-001	3995	1.279e-30	1.2e-12	5.8e+45	2.4e+27	9.641e-31	1.4e-12	7.8e+45	1.7e+27
0057+315	2619	5.850e-29	5.6e-11	4.9e+43	2.0e+25	5.005e-29	7.2e-11	5.8e+43	1.2e+25
0058+019	2717	<1.900e-30	<1.8e-12	<1.8e+47	<7.4e+28	<1.431e-30	<2.1e-12	<3.1e+47	<6.8e+28
0100+130	2009	<5.457e-31	<5.2e-13	<1.5e+47	<6.3e+28	<4.284e-31	<6.2e-13	<3.1e+47	<6.7e+28
0106+013	2011	1.032e-30	9.8e-13	1.3e+47	5.2e+28	7.600e-31	1.1e-12	2.2e+47	4.8e+28
0109+022	8458	<3.377e-31	<3.2e-13	<5.9e+46	<2.5e+28	<2.497e-31	<3.6e-13	<1.1e+47	<2.4e+28
0112-017	5394	1.175e-30	1.1e-12	3.5e+46	1.4e+28	9.270e-31	1.3e-12	5.7e+46	1.2e+28
0115-011	8459	<2.299e-31	<2.2e-13	<3.2e+46	<1.3e+28	<1.806e-31	<2.6e-13	<6.0e+46	<1.3e+28
0117+213	5354	<2.312e-30	<2.2e-12	<9.1e+46	<3.8e+28	<1.898e-30	<2.7e-12	<1.6e+47	<3.5e+28
0119+041	3254	1.095e-30	1.0e-12	3.6e+45	1.5e+27	8.508e-31	1.2e-12	4.9e+45	1.1e+27
0119-013	2633	2.853e-30	2.7e-12	3.3e+43	1.4e+25	2.193e-30	3.2e-12	3.5e+43	7.6e+24
0119-046	5124	<1.230e-30	<1.2e-12	<1.1e+47	<4.8e+28	<9.612e-31	<1.4e-12	<2.1e+47	<4.5e+28
0119+229	8427	<6.618e-31	<6.3e-13	<7.4e+42	<3.1e+24	<5.759e-31	<8.3e-13	<8.9e+42	<1.9e+24
0121-590	523	8.329e-29	7.9e-11	6.6e+44	2.7e+26	5.925e-29	8.5e-11	6.5e+44	1.4e+26
0122-380	4003	<5.788e-31	<5.5e-13	<7.9e+46	<3.3e+28	<3.962e-31	<5.7e-13	<1.3e+47	<2.8e+28
0126+030	8460	<2.217e-31	<2.1e-13	<1.1e+46	<4.7e+27	<1.616e-31	<2.3e-13	<1.8e+46	<3.9e+27
0128+074	8332	<4.508e-31	<4.3e-13	<4.2e+44	<1.8e+26	<3.647e-31	<5.3e-13	<5.5e+44	<1.2e+26
0130+033	4249	1.270e-30	1.2e-12	1.0e+45	4.1e+26	9.502e-31	1.4e-12	1.2e+45	2.6e+26
0130-403	2578	<2.084e-31	<2.0e-13	<8.9e+46	<3.7e+28	<1.330e-31	<1.9e-13	<1.5e+47	<3.3e+28
0130-406	2578	<9.177e-32	<8.7e-14	<1.7e+46	<7.1e+27	<6.164e-32	<8.9e-14	<2.9e+46	<6.2e+27
0131-404A	2578	4.070e-32	3.9e-14	1.6e+45	6.5e+26	2.604e-32	3.7e-14	2.1e+45	4.6e+26
0131+037	4249	1.064e-30	1.0e-12	3.6e+44	1.5e+26	7.467e-31	1.1e-12	3.8e+44	8.3e+25
0131-409B	2578	1.494e-31	1.4e-13	2.7e+46	1.1e+28	9.515e-32	1.4e-13	4.2e+46	9.1e+27
0131-409A	2578	<8.674e-32	<8.2e-14	<2.4e+45	<1.0e+27	<5.552e-32	<8.0e-14	<3.2e+45	<7.0e+26
0132-408	2578	<7.719e-32	<7.3e-14	<1.5e+46	<6.2e+27	<4.946e-32	<7.1e-14	<2.4e+46	<5.2e+27
0133+207	5419	5.688e-30	5.4e-12	6.6e+45	2.7e+27	4.939e-30	7.1e-12	9.3e+45	2.0e+27
0133+207	482	7.527e-30	7.1e-12	8.8e+45	3.6e+27	6.351e-30	9.1e-12	1.2e+46	2.6e+27
0133+207	540	1.024e-29	9.7e-12	1.2e+46	4.9e+27	8.640e-30	1.2e-11	1.6e+46	3.5e+27
0134+033	513	<1.834e-31	<1.7e-13	<4.7e+42	<2.0e+24	<1.334e-31	<1.9e-13	<4.8e+42	<1.0e+24
0134+329	480	5.517e-30	5.2e-12	4.5e+45	1.9e+27	4.494e-30	6.5e-12	5.8e+45	1.2e+27
0135-247	3996	1.035e-30	9.8e-13	7.1e+45	2.9e+27	6.262e-31	9.0e-13	7.9e+45	1.7e+27
0137+060	4250	2.309e-31	2.2e-13	2.3e+44	9.3e+25	1.818e-31	2.6e-13	2.8e+44	6.1e+25
0137-010	4251	1.662e-30	1.6e-12	1.1e+45	4.4e+26	1.263e-30	1.8e-12	1.3e+45	2.8e+26
0140-306	3719	<1.600e-31	<1.5e-13	<7.7e+46	<3.2e+28	<1.087e-31	<1.6e-13	<1.4e+47	<3.1e+28
0143-015	3718	5.174e-32	4.9e-14	2.5e+46	1.0e+28	3.807e-32	5.5e-14	5.1e+46	1.1e+28
0143-010	3714	<2.024e-31	<1.9e-13	<1.0e+47	<4.2e+28	<1.256e-31	<1.8e-13	<1.7e+47	<3.7e+28
0145+042	5115	<3.187e-31	<3.0e-13	<3.4e+46	<1.4e+28	<2.457e-31	<3.5e-13	<6.2e+46	<1.3e+28
0146+017	3727	<1.984e-31	<1.9e-13	<7.3e+46	<3.0e+28	<1.467e-31	<2.1e-13	<1.5e+47	<3.1e+28
0149-397	4021	<2.299e-31	<2.2e-13	<2.6e+46	<1.1e+28	<1.484e-31	<2.1e-13	<3.9e+46	<8.5e+27
0151+045	8333	5.978e-31	5.7e-13	6.1e+44	2.5e+26	4.781e-31	6.9e-13	7.9e+44	1.7e+26
0157+001	5335	1.629e-30	1.5e-12	2.0e+44	8.3e+25	1.089e-30	1.6e-12	2.0e+44	4.2e+25
0159+036	8461	1.467e-31	1.4e-13	2.9e+46	1.2e+28	1.147e-31	1.7e-13	5.8e+46	1.2e+28
0203+151A	7614	1.334e-32	1.3e-14	1.4e+45	5.6e+26	1.174e-32	1.7e-14	2.8e+45	6.1e+26
0203+151B	7614	6.818e-32	6.5e-14	1.5e+46	6.1e+27	5.970e-32	8.6e-14	3.3e+46	7.1e+27
0203+150	7614	1.982e-31	1.9e-13	2.4e+46	9.8e+27	1.757e-31	2.5e-13	5.0e+46	1.1e+28
0203+152	7614	<2.372e-31	<2.3e-13	<3.9e+46	<1.6e+28	<2.073e-31	<3.0e-13	<8.3e+46	<1.8e+28
0205+024	3978	8.309e-30	7.9e-12	9.1e+44	3.8e+26	6.400e-30	9.2e-12	1.0e+45	2.2e+26
0205-379	5388	8.726e-32	8.3e-14	1.7e+46	6.9e+27	5.556e-32	8.0e-14	2.7e+46	5.8e+27
0205+150	7614	<1.699e-31	<1.6e-13	<3.2e+46	<1.3e+28	<1.491e-31	<2.1e-13	<7.0e+46	<1.5e+28
0207-003	8462	<2.322e-31	<2.2e-13	<7.9e+46	<3.3e+28	<1.650e-31	<2.4e-13	<1.5e+47	<3.2e+28
0207-398	4253	2.347e-31	2.2e-13	7.7e+46	3.2e+28	1.484e-31	2.1e-13	1.3e+47	2.8e+28

TABLE 3C—*Continued*

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5: Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Fluxes and Luminosities for α_x=1.0: Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
0210+860	562	9.734e-31	9.2e-13	1.6e+44	6.5e+25	8.912e-31	1.3e-12	2.1e+44	4.6e+25
0210+860	2682	<1.125e-30	<1.1e-12	<1.8e+44	<7.5e+25	<1.059e-30	<1.5e-12	<2.5e+44	<5.4e+25
0212-009	4470	1.749e-29	1.7e-11	4.9e+43	2.0e+25	1.305e-29	1.9e-11	5.0e+43	1.1e+25
0212+735	7584	7.004e-30	6.7e-12	1.3e+48	5.2e+29	7.627e-30	1.1e-11	3.4e+48	7.4e+29
0219+428	2709	2.687e-30	2.6e-12	3.5e+45	1.4e+27	2.440e-30	3.5e-12	5.2e+45	1.1e+27
0225+310	6705	2.014e-29	1.9e-11	1.9e+43	8.0e+24	1.841e-29	2.7e-11	2.4e+43	5.2e+24
0225-014	5118	1.239e-31	1.2e-13	1.3e+46	5.6e+27	8.733e-32	1.3e-13	2.2e+46	4.8e+27
0226-038	4022	7.739e-31	7.3e-13	8.7e+46	3.6e+28	5.229e-31	7.5e-13	1.4e+47	3.0e+28
0229+131	3257	1.332e-30	1.3e-12	1.5e+47	6.2e+28	1.289e-30	1.9e-12	3.5e+47	7.5e+28
0229+341	5142	<3.364e-31	<3.2e-13	<7.4e+45	<3.1e+27	<2.934e-31	<4.2e-13	<1.3e+46	<2.8e+27
0232-090	3143	2.148e-29	2.0e-11	1.6e+44	6.4e+25	1.568e-29	2.3e-11	1.6e+44	3.4e+25
0234+285	3258	1.903e-30	1.8e-12	3.9e+46	1.6e+28	1.770e-30	2.5e-12	7.4e+46	1.6e+28
0237-027	3259	7.388e-31	7.0e-13	1.2e+46	4.9e+27	5.340e-31	7.7e-13	1.7e+46	3.7e+27
0237+040	7185	9.687e-31	9.2e-13	1.1e+46	4.4e+27	7.971e-31	1.1e-12	1.7e+46	3.6e+27
0237-233	2013	1.638e-30	1.6e-12	2.4e+47	9.9e+28	1.136e-30	1.6e-12	4.0e+47	8.7e+28
0237-233	2705	1.720e-30	1.6e-12	2.5e+47	1.0e+29	1.206e-30	1.7e-12	4.3e+47	9.2e+28
0237-233	2014	1.866e-30	1.8e-12	2.7e+47	1.1e+29	1.271e-30	1.8e-12	4.5e+47	9.7e+28
0238+069	3466	1.063e-29	1.0e-11	3.2e+43	1.3e+25	9.740e-30	1.4e-11	4.0e+43	8.7e+24
0242-410	4033	<1.089e-31	<1.0e-13	<1.6e+46	<6.5e+27	<7.593e-32	<1.1e-13	<2.6e+46	<5.7e+27
0246+190	2661	1.799e-30	1.7e-12	6.6e+42	2.8e+24	1.723e-30	2.5e-12	8.8e+42	1.9e+24
0254-404	5389	<7.547e-31	<7.2e-13	<1.2e+47	<5.0e+28	<4.916e-31	<7.1e-13	<1.9e+47	<4.2e+28
0306+169	7790	<5.195e-31	<4.9e-13	<6.6e+46	<2.7e+28	<5.060e-31	<7.3e-13	<1.5e+47	<3.4e+28
0307+169	1929	3.226e-31	3.1e-13	1.1e+44	4.6e+25	3.116e-31	4.5e-13	1.6e+44	3.5e+25
0307+169	1930	<2.953e-30	<2.8e-12	<1.0e+45	<4.2e+26	<2.886e-30	<4.2e-12	<1.5e+45	<3.2e+26
0312-770	5401	7.885e-30	7.5e-12	2.0e+45	8.1e+26	7.202e-30	1.0e-11	2.7e+45	5.8e+26
0333+321	3886	1.474e-29	1.4e-11	3.4e+47	1.4e+29	1.499e-29	2.2e-11	7.1e+47	1.5e+29
0336-019	3261	5.480e-31	5.2e-13	4.0e+45	1.7e+27	4.883e-31	7.0e-13	6.6e+45	1.4e+27
0336-019	7162	1.124e-30	1.1e-12	8.3e+45	3.4e+27	1.017e-30	1.5e-12	1.4e+46	3.0e+27
0340+048	5116	2.098e-30	2.0e-12	1.6e+45	6.6e+26	2.111e-30	3.0e-12	2.5e+45	5.5e+26
0400+258	7164	<5.437e-31	<5.2e-13	<6.6e+46	<2.7e+28	<4.975e-31	<7.2e-13	<1.4e+47	<3.1e+28
0400+258	3994	<6.898e-31	<6.6e-13	<8.4e+46	<3.5e+28	<6.388e-31	<9.2e-13	<1.9e+47	<4.0e+28
0403-132	9528	2.074e-30	2.0e-12	5.1e+45	2.1e+27	1.616e-30	2.3e-12	6.8e+45	1.5e+27
0403-132	7629	2.780e-30	2.6e-12	6.9e+45	2.9e+27	2.166e-30	3.1e-12	9.1e+45	2.0e+27
0405-123	3906	7.719e-30	7.3e-12	1.9e+46	8.0e+27	5.891e-30	8.5e-12	2.5e+46	5.4e+27
0405-123	3907	9.548e-30	9.1e-12	2.4e+46	9.9e+27	7.534e-30	1.1e-11	3.2e+46	7.0e+27
0409+229	8978	4.278e-31	4.1e-13	8.9e+45	3.7e+27	4.360e-31	6.3e-13	1.8e+46	4.0e+27
0410+110	1935	6.203e-30	5.9e-12	3.2e+45	1.3e+27	6.356e-30	9.2e-12	5.1e+45	1.1e+27
0410+110	1936	7.269e-30	6.9e-12	3.8e+45	1.6e+27	7.408e-30	1.1e-11	6.0e+45	1.3e+27
0414-060	521	3.312e-30	3.1e-12	1.9e+46	7.9e+27	2.819e-30	4.1e-12	2.9e+46	6.4e+27
0415+379	2669	3.283e-29	3.1e-11	3.0e+44	1.2e+26	3.591e-29	5.2e-11	4.5e+44	9.8e+25
0418-550	1938	5.319e-30	5.1e-12	3.1e+41	1.3e+23	3.363e-30	4.8e-12	2.7e+41	5.8e+22
0418-550	1937	7.872e-30	7.5e-12	4.7e+41	1.9e+23	4.879e-30	7.0e-12	3.9e+41	8.5e+22
0420-388	4008	3.886e-31	3.7e-13	1.8e+47	7.7e+28	2.701e-31	3.9e-13	3.5e+47	7.6e+28
0420-388	3721	4.799e-31	4.6e-13	2.3e+47	9.5e+28	3.189e-31	4.6e-13	4.2e+47	9.0e+28
0420-014	2016	4.030e-30	3.8e-12	3.6e+46	1.5e+28	3.726e-30	5.4e-12	6.3e+46	1.4e+28
0420-014	2015	5.865e-30	5.6e-12	5.3e+46	2.2e+28	5.346e-30	7.7e-12	9.0e+46	2.0e+28
0424-131	4029	2.267e-31	2.2e-13	3.0e+46	1.2e+28	1.800e-31	2.6e-13	5.8e+46	1.2e+28
0430+052	351	4.786e-29	4.5e-11	2.0e+44	8.3e+25	4.717e-29	6.8e-11	2.7e+44	5.9e+25
0430+052	1939	5.066e-29	4.8e-11	2.1e+44	8.8e+25	5.009e-29	7.2e-11	2.9e+44	6.3e+25
0430+052	350	8.183e-29	7.8e-11	3.4e+44	1.4e+26	8.004e-29	1.2e-10	4.6e+44	1.0e+26
0434-104	2640	1.949e-29	1.9e-11	9.2e+43	3.8e+25	1.743e-29	2.5e-11	1.1e+44	2.5e+25
0438-166	3558	<8.965e-32	<8.5e-14	<8.5e+45	<3.5e+27	<7.554e-32	<1.1e-13	<1.7e+46	<3.6e+27
0438-166	3557	<1.406e-31	<1.3e-13	<1.3e+46	<5.5e+27	<1.168e-31	<1.7e-13	<2.6e+46	<5.6e+27
0438-436	4011	6.911e-31	6.6e-13	2.4e+47	9.9e+28	4.334e-31	6.2e-13	4.0e+47	8.6e+28
0439-164	3557	5.528e-32	5.3e-14	7.7e+45	3.2e+27	4.435e-32	6.4e-14	1.5e+46	3.3e+27
0440-003	2018	<1.096e-30	<1.0e-12	<7.9e+45	<3.3e+27	<9.835e-31	<1.4e-12	<1.3e+46	<2.8e+27
0440-003	2017	<1.234e-30	<1.2e-12	<8.9e+45	<3.7e+27	<1.126e-30	<1.6e-12	<1.5e+46	<3.2e+27
0454-234	7165	7.110e-31	6.7e-13	8.5e+45	3.5e+27	5.037e-31	7.3e-13	1.2e+46	2.5e+27
0458-020	7166	1.029e-30	9.8e-13	1.6e+47	6.8e+28	9.157e-31	1.3e-12	3.6e+47	7.8e+28
0513-002	2641	6.646e-29	6.3e-11	2.8e+44	1.2e+26	6.372e-29	9.2e-11	3.7e+44	8.0e+25
0518+165	489	1.224e-30	1.2e-12	6.5e+45	2.7e+27	1.317e-30	1.9e-12	1.3e+46	2.7e+27
0518-458	2670	1.643e-29	1.6e-11	7.3e+43	3.0e+25	1.183e-29	1.7e-11	7.3e+43	1.6e+25
0528-250	4014	<4.707e-31	<4.5e-13	<1.5e+47	<6.0e+28	<3.126e-31	<4.5e-13	<2.5e+47	<5.5e+28
0537-441	7499	1.541e-30	1.5e-12	1.3e+46	5.4e+27	1.192e-30	1.7e-12	1.9e+46	4.1e+27
0537-441	547	2.599e-30	2.5e-12	2.2e+46	9.1e+27	2.102e-30	3.0e-12	3.3e+46	7.2e+27
0537-286	3720	1.142e-30	1.1e-12	5.4e+47	2.2e+29	7.595e-31	1.1e-12	9.8e+47	2.1e+29
0538+498	483	1.159e-30	1.1e-12	2.5e+45	1.1e+27	1.226e-30	1.8e-12	4.5e+45	9.8e+26
0605-085	10684	1.950e-30	1.9e-12	1.5e+46	6.3e+27	2.075e-30	3.0e-12	3.0e+46	6.5e+27
0605-085	7287	3.265e-30	3.1e-12	2.6e+46	1.1e+28	3.491e-30	5.0e-12	5.1e+46	1.1e+28
0605-085	7288	3.471e-30	3.3e-12	2.7e+46	1.1e+28	3.713e-30	5.3e-12	5.4e+46	1.2e+28
0607-157	7289	1.264e-30	1.2e-12	7.6e+44	3.1e+26	1.290e-30	1.9e-12	1.2e+45	2.6e+26
0637-752	8494	1.111e-29	1.1e-11	4.0e+46	1.7e+28	1.056e-29	1.5e-11	6.6e+46	1.4e+28
0637-752	5404	1.698e-29	1.6e-11	6.1e+46	2.5e+28	1.617e-29	2.3e-11	1.0e+47	2.2e+28
0642+449	3712	1.636e-30	1.6e-12	1.1e+48	4.4e+29	1.598e-30	2.3e-12	3.0e+48	6.4e+29
0655+542	2621	1.166e-29	1.1e-11	8.8e+43	3.7e+25	1.018e-29	1.5e-11	1.1e+44	2.3e+25
0710+118	490	1.215e-30	1.2e-12	6.7e+45	2.8e+27	1.212e-30	1.7e-12	1.2e+46	2.6e+27
0730+659	5226	<3.330e-31	<3.2e-13	<3.0e+46	<1.3e+28	<2.607e-31	<3.8e-13	<5.5e+46	<1.2e+28
0732+588	2607	8.117e-30	7.7e-12	4.8e+43	2.0e+25	6.891e-30	9.9e-12	5.6e+43	1.2e+25
0736+017	2019	3.182e-30	3.0e-12	5.6e+44	2.3e+26	2.756e-30	4.0e-12	7.1e+44	1.5e+26
0736+017	2020	3.671e-30	3.5e-12	6.4e+44	2.7e+26	3.241e-30	4.7e-12	8.4e+44	1.8e+26
0738+313	3993	1.321e-30	1.3e-12	4.3e+45	1.8e+27	1.112e-30	1.6e-12	6.2e+45	1.3e+27
0740+380	499	1.150e-30	1.1e-12	1.6e+46	6.7e+27	1.009e-30	1.5e-12	2.7e+46	5.9e+27
0752+393	2622	1.004e-29	9.5e-12	4.5e+43	1.9e+25	8.554e-30	1.2e-11	5.3e+43	1.1e+25
0758+143	8979	3.329e-31	3.2e-13	6.6e+45	2.7e+27	2.472e-31	3.6e-13	9.8e+45	2.1e+27
0802+103	10181	2.376e-31	2.3e-13	2.2e+46	9.3e+27	1.662e-31	2.4e-13	3.7e+46	7.9e+27
0802+103	2711	<4.851e-31	<4.6e-13	<4.6e+46	<1.9e+28	<3.582e-31	<5.2e-13	<7.9e+46	<1.7e+28
0804+761	5336	1.664e-29	1.6e-11	7.1e+44	2.9e+26	1.238e-29	1.8e-11	7.5e+44	1.6e+26
0805+046	2021	2.288e-31	2.2e-13	8.1e+46	3.4e+28	1.802e-31	2.6e-13	1.7e+47	3.7e+28
0805+046	2022	<3.675e-31	<3.5e-13	<1.3e+47	<5.4e+28	<2.736e-31	<3.9e-13	<2.6e+47	<5.6e+28
0805+047	2022	<3.015e-31	<2.9e-13	<3.4e+46	<1.4e+28	<2.237e-31	<3.2e-13	<5.9e+46	<1.3e+28
0809+483	493	4.012e-31	3.8e-13	3.1e+45	1.3e+27	3.191e-31	4.6e-13	4.6e+45	1.0e+27
0824+110	5125	3.683e-31	3.5e-13	5.8e+46	2.4e+28	2.756e-31	4.0e-13	1.1e+47	2.3e+28

TABLE 3C—*Continued*

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5				Fluxes and Luminosities for α_x=1.0			
		Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
0827+243	3264	8.229e-31	7.8e-13	8.0e+45	3.3e+27	6.164e-31	8.9e-13	1.1e+46	2.4e+27
0833+654	501	9.661e-31	9.2e-13	1.5e+46	6.4e+27	7.620e-31	1.1e-12	2.4e+46	5.2e+27
0834-201	7296	1.370e-30	1.3e-12	4.2e+47	1.7e+29	1.266e-30	1.8e-12	1.0e+48	2.2e+29
0834-201	7297	1.698e-30	1.6e-12	5.2e+47	2.1e+29	1.556e-30	2.2e-12	1.2e+48	2.7e+29
0834+654	6964	3.770e-32	3.6e-14	5.3e+45	2.2e+27	3.105e-32	4.5e-14	1.1e+46	2.3e+27
0835+580	503	5.199e-31	4.9e-13	2.2e+46	9.2e+27	4.180e-31	6.0e-13	3.9e+46	8.4e+27
0835+583	503	<1.840e-31	<1.7e-13	<7.6e+46	<3.1e+28	<1.477e-31	<2.1e-13	<1.7e+47	<3.6e+28
0836+654	6964	<1.868e-31	<1.8e-13	<1.6e+46	<6.6e+27	<1.540e-31	<2.2e-13	<3.0e+46	<6.6e+27
0837-120	8933	1.788e-29	1.7e-11	3.4e+45	1.4e+27	1.555e-29	2.2e-11	4.4e+45	9.5e+26
0838+133A	486	1.387e-30	1.3e-12	5.6e+45	2.3e+27	1.121e-30	1.6e-12	7.9e+45	1.7e+27
0838+770	5363	1.560e-30	1.5e-12	1.2e+44	4.9e+25	1.091e-30	1.6e-12	1.2e+44	2.6e+25
0838+131	486	<3.028e-31	<2.9e-13	<2.5e+46	<1.0e+28	<2.314e-31	<3.3e-13	<4.4e+46	<9.5e+27
0838+133B	486	<1.833e-31	<1.7e-13	<1.3e+46	<5.5e+27	<1.455e-31	<2.1e-13	<2.4e+46	<5.1e+27
0843+161	5364	<3.766e-31	<3.6e-13	<2.9e+45	<1.2e+27	<2.745e-31	<4.0e-13	<3.9e+45	<8.4e+26
0843+349	5337	<4.123e-31	<3.9e-13	<1.9e+46	<8.0e+27	<3.183e-31	<4.6e-13	<3.2e+46	<7.0e+27
0844+349	5337	5.850e-30	5.6e-12	9.7e+43	4.0e+25	4.465e-30	6.4e-12	1.0e+44	2.2e+25
0848+155	2026	2.104e-31	2.0e-13	2.2e+46	9.0e+27	1.549e-31	2.2e-13	3.8e+46	8.1e+27
0848+155	2025	<9.336e-31	<8.9e-13	<9.6e+46	<4.0e+28	<7.130e-31	<1.0e-12	<1.7e+47	<3.7e+28
0848+163	3979	<4.646e-31	<4.4e-13	<4.2e+46	<1.7e+28	<3.305e-31	<4.8e-13	<6.9e+46	<1.5e+28
0850+140	500	6.699e-31	6.4e-13	1.1e+46	4.4e+27	5.024e-31	7.2e-13	1.6e+46	3.4e+27
0855+188	2028	<2.128e-31	<2.0e-13	<2.6e+45	<1.1e+27	<1.588e-31	<2.3e-13	<3.7e+45	<8.0e+26
0855+188	2027	<3.689e-31	<3.5e-13	<4.5e+45	<1.9e+27	<2.772e-31	<4.0e-13	<6.5e+45	<1.4e+27
0859-140	3905	9.793e-31	9.3e-13	2.7e+46	1.1e+28	8.448e-31	1.2e-12	4.8e+46	1.0e+28
0859-140	3904	2.184e-30	2.1e-12	6.0e+46	2.5e+28	1.884e-30	2.7e-12	1.1e+47	2.3e+28
0859-140	3903	2.405e-30	2.3e-12	6.6e+46	2.7e+28	2.091e-30	3.0e-12	1.2e+47	2.5e+28
0903+169	481	2.092e-30	2.0e-12	2.2e+45	9.3e+26	1.643e-30	2.4e-12	2.8e+45	6.1e+26
0906+430	2685	8.899e-31	8.5e-13	3.4e+45	1.4e+27	5.877e-31	8.5e-13	3.9e+45	8.4e+26
0906+015	2030	1.214e-30	1.2e-12	1.5e+46	6.2e+27	8.746e-31	1.3e-12	2.1e+46	4.5e+27
0906+015	2029	1.248e-30	1.2e-12	1.5e+46	6.4e+27	9.343e-31	1.3e-12	2.2e+46	4.8e+27
0906+484	3962	3.962e-31	3.8e-13	2.4e+43	9.9e+24	2.666e-31	3.8e-13	2.3e+43	5.0e+24
0910+403	1941	2.748e-31	2.6e-13	2.7e+45	1.1e+27	1.764e-31	2.5e-13	3.2e+45	6.9e+26
0915+165	3467	1.505e-29	1.4e-11	4.8e+43	2.0e+25	1.163e-29	1.7e-11	5.1e+43	1.1e+25
0923+201	5365	1.712e-30	1.6e-12	3.0e+44	1.2e+26	1.321e-30	1.9e-12	3.4e+44	7.3e+25
0923+129	6708	1.301e-29	1.2e-11	4.2e+43	1.7e+25	9.886e-30	1.4e-11	4.4e+43	9.5e+24
0923+392	554	2.873e-30	2.7e-12	1.2e+46	5.1e+27	1.806e-30	2.6e-12	1.4e+46	2.9e+27
0927+217	5229	<5.727e-31	<5.4e-13	<5.8e+46	<2.4e+28	<4.298e-31	<6.2e-13	<1.0e+47	<2.2e+28
0934+013	2642	8.137e-30	7.7e-12	8.0e+43	3.3e+25	6.374e-30	9.2e-12	8.7e+43	1.9e+25
0937+391	8409	7.799e-31	7.4e-13	2.4e+45	9.9e+26	5.053e-31	7.3e-13	2.7e+45	5.8e+26
0938+117A	530	<8.369e-32	<8.0e-14	<1.4e+46	<5.7e+27	<6.003e-32	<8.6e-14	<2.4e+46	<5.2e+27
0938+120A	530	<1.670e-31	<1.6e-13	<1.7e+46	<7.0e+27	<1.199e-31	<1.7e-13	<2.9e+46	<6.2e+27
0938+120B	530	<2.791e-31	<2.7e-13	<5.3e+46	<2.2e+28	<2.007e-31	<2.9e-13	<9.5e+46	<2.0e+28
0938+117B	530	<2.436e-31	<2.3e-13	<3.4e+46	<1.4e+28	<1.742e-31	<2.5e-13	<5.9e+46	<1.3e+28
0939+121	530	<2.376e-31	<2.3e-13	<1.7e+46	<7.1e+27	<1.720e-31	<2.5e-13	<2.8e+46	<6.1e+27
0939+117	530	<2.564e-31	<2.4e-13	<2.2e+46	<9.1e+27	<1.942e-31	<2.8e-13	<3.8e+46	<8.3e+27
0945+076	1943	1.043e-30	9.9e-13	3.2e+43	1.3e+25	7.521e-31	1.1e-12	3.3e+43	7.1e+24
0953+254	3265	9.204e-31	8.7e-13	4.1e+45	1.7e+27	6.553e-31	9.4e-13	5.2e+45	1.1e+27
0955+326	2712	<7.143e-31	<6.8e-13	<1.5e+45	<6.1e+26	<4.645e-31	<6.7e-13	<1.6e+45	<3.5e+26
0958+290	2687	1.402e-31	1.3e-13	2.3e+43	9.5e+24	9.329e-32	1.3e-13	2.2e+43	4.9e+24
0959-443	5405	2.573e-30	2.4e-12	1.8e+46	7.5e+27	2.623e-30	3.8e-12	3.4e+46	7.3e+27
1001+054	3963	<3.358e-31	<3.2e-13	<4.0e+43	<1.7e+25	<2.337e-31	<3.4e-13	<4.1e+43	<8.8e+24
1004-217	5406	<1.261e-30	<1.2e-12	<7.9e+44	<3.3e+26	<1.070e-30	<1.5e-12	<1.1e+45	<2.3e+26
1004+130	563	<3.290e-31	<3.1e-13	<9.8e+43	<4.1e+25	<2.547e-31	<3.7e-13	<1.1e+44	<2.5e+25
1008+133	5367	<4.653e-31	<4.4e-13	<1.1e+46	<4.7e+27	<3.590e-31	<5.2e-13	<1.8e+46	<3.8e+27
1011+250	2031	1.433e-30	1.4e-12	7.5e+46	3.1e+28	9.919e-31	1.4e-12	1.1e+47	2.5e+28
1011-282	5407	3.295e-30	3.1e-12	1.1e+45	4.6e+26	2.823e-30	4.1e-12	1.4e+45	3.1e+26
1011-040	8432	<5.251e-31	<5.0e-13	<7.1e+42	<2.9e+24	<4.035e-31	<5.8e-13	<7.6e+42	<1.6e+24
1017+203	913	<2.422e-31	<2.3e-13	<2.9e+46	<1.2e+28	<1.686e-31	<2.4e-13	<4.8e+46	<1.0e+28
1020-103	3964	6.146e-30	5.8e-12	1.2e+45	4.8e+26	5.069e-30	7.3e-12	1.4e+45	3.1e+26
1020+201	1945	4.578e-30	4.3e-12	1.5e+41	6.3e+22	3.098e-30	4.5e-12	1.4e+41	3.0e+22
1020+201	1946	2.172e-29	2.1e-11	7.2e+41	3.0e+23	1.494e-29	2.2e-11	6.7e+41	1.5e+23
1028+313	4256	6.672e-30	6.3e-12	9.9e+44	4.1e+26	4.390e-30	6.3e-12	9.5e+44	2.1e+26
1028+290	2644	8.037e-30	7.6e-12	1.2e+44	4.8e+25	5.374e-30	7.7e-12	1.1e+44	2.3e+25
1038+064	5126	4.116e-30	3.9e-12	9.8e+46	4.1e+28	3.086e-30	4.4e-12	1.5e+47	3.2e+28
1040+123	497	1.204e-30	1.1e-12	1.5e+46	6.3e+27	8.660e-31	1.2e-12	2.1e+46	4.6e+27
1048-090	5369	4.952e-30	4.7e-12	3.4e+45	1.4e+27	3.532e-30	5.1e-12	3.8e+45	8.3e+26
1050-184	5408	7.096e-31	6.7e-13	1.5e+45	6.4e+26	5.447e-31	7.8e-13	2.0e+45	4.3e+26
1054-034	4025	<2.642e-31	<2.5e-13	<3.2e+46	<1.3e+28	<2.049e-31	<3.0e-13	<6.0e+46	<1.3e+28
1058+726	5230	1.074e-30	1.0e-12	9.2e+44	3.8e+26	7.733e-31	1.1e-12	1.0e+45	2.3e+26
1100+772	478	6.904e-30	6.6e-12	3.7e+45	1.6e+27	5.139e-30	7.4e-12	4.3e+45	9.4e+26
1100-264	4002	7.580e-31	7.2e-13	9.8e+46	4.0e+28	6.567e-31	9.5e-13	2.0e+47	4.4e+28
1103+728	1948	1.776e-30	1.7e-12	5.4e+41	2.2e+23	1.281e-30	1.8e-12	5.3e+41	1.1e+23
1103+728	1947	5.816e-30	5.5e-12	1.8e+42	7.3e+23	4.127e-30	5.9e-12	1.7e+42	3.7e+23
1111+408	488	1.468e-30	1.4e-12	7.1e+45	3.0e+27	9.661e-31	1.4e-12	8.4e+45	1.8e+27
1113+182	3927	<1.187e-31	<1.1e-13	<1.0e+46	<4.2e+27	<7.461e-32	<1.1e-13	<1.5e+46	<3.2e+27
1114+183	3927	<1.849e-31	<1.8e-13	<1.6e+46	<6.6e+27	<1.156e-31	<1.7e-13	<2.3e+46	<4.9e+27
1115+080	5355	1.174e-30	1.1e-12	7.2e+46	3.0e+28	8.879e-31	1.3e-12	1.2e+47	2.6e+28
1116+215	5339	6.258e-30	5.9e-12	9.3e+44	3.8e+26	3.852e-30	5.5e-12	8.4e+44	1.8e+26
1119+120	8428	6.336e-30	6.0e-12	6.0e+43	2.5e+25	4.551e-30	6.6e-12	6.0e+43	1.3e+25
1122+546	2646	3.615e-30	3.4e-12	5.5e+42	2.3e+24	2.145e-30	3.1e-12	4.4e+42	9.6e+23
1123+434	5231	<1.505e-31	<1.4e-13	<1.6e+46	<6.5e+27	<1.009e-31	<1.5e-13	<2.5e+46	<5.3e+27
1126-041	8429	3.479e-31	3.3e-13	5.0e+42	2.1e+24	2.885e-31	4.2e-13	5.8e+42	1.3e+24
1127-145	7300	1.731e-30	1.6e-12	3.4e+46	1.4e+28	1.306e-30	1.9e-12	5.1e+46	1.1e+28
1127-145	7301	1.973e-30	1.9e-12	3.8e+46	1.6e+28	1.499e-30	2.2e-12	5.8e+46	1.3e+28
1128+315	3965	3.485e-30	3.3e-12	1.6e+45	6.6e+26	2.334e-30	3.4e-12	1.6e+45	3.5e+26
1136-374	7209	6.113e-29	5.8e-11	1.8e+43	7.6e+24	5.866e-29	8.4e-11	2.4e+43	5.2e+24
1137+660	5421	2.655e-30	2.5e-12	9.1e+45	3.8e+27	1.607e-30	2.3e-12	9.6e+45	2.1e+27
1137+660	485	2.744e-30	2.6e-12	9.4e+45	3.9e+27	1.623e-30	2.3e-12	9.7e+45	2.1e+27
1146-037	5411	5.547e-30	5.3e-12	3.8e+45	1.6e+27	3.819e-30	5.5e-12	4.1e+45	8.8e+26
1155+557	4548	6.805e-30	6.5e-12	4.0e+41	1.7e+23	4.351e-30	6.3e-12	3.5e+41	7.5e+22
1157+014	5117	<2.723e-31	<2.6e-13	<2.7e+46	<1.1e+28	<1.839e-31	<2.6e-13	<4.3e+46	<9.2e+27
1157+532	5232	1.272e-31	1.2e-13	1.3e+46	5.3e+27	8.051e-32	1.2e-13	1.9e+46	4.1e+27
1202+281	4258	8.342e-30	7.9e-12	1.1e+45	4.4e+26	5.415e-30	7.8e-12	1.0e+45	2.2e+26

TABLE 3C—*Continued*

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5: Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Fluxes and Luminosities for α_x=1.0: Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
1206-399	5412	1.305e-30	1.2e-12	1.4e+46	5.7e+27	1.209e-30	1.7e-12	2.4e+46	5.2e+27
1207+398	353	<8.263e-32	<7.9e-14	<1.4e+46	<5.9e+27	<5.497e-32	<7.9e-14	<2.3e+46	<5.0e+27
1208+396	352	9.164e-30	8.7e-12	3.0e+41	1.3e+23	6.135e-30	8.8e-12	2.8e+41	6.0e+22
1208+322	3966	1.061e-30	1.0e-12	9.8e+44	4.1e+26	6.666e-31	9.6e-13	9.9e+44	2.1e+26
1208+398	353	<7.865e-32	<7.5e-14	<3.1e+45	<1.3e+27	<5.271e-32	<7.6e-14	<4.5e+45	<9.8e+26
1209+107A	4055	4.894e-32	4.6e-14	6.8e+45	2.8e+27	3.335e-32	4.8e-14	1.1e+46	2.4e+27
1209+107B	4055	<3.446e-31	<3.3e-13	<3.0e+46	<1.2e+28	<2.360e-31	<3.4e-13	<4.7e+46	<1.0e+28
1209+109	4055	<3.401e-31	<3.2e-13	<4.1e+46	<1.7e+28	<2.298e-31	<3.3e-13	<6.6e+46	<1.4e+28
1211+143	5341	5.178e-29	4.9e-11	1.6e+45	6.4e+26	3.780e-29	5.4e-11	1.6e+45	3.5e+26
1214+074	6711	3.699e-30	3.5e-12	6.7e+41	2.8e+23	2.387e-30	3.4e-12	5.9e+41	1.3e+23
1215+300	6712	1.933e-29	1.8e-11	1.0e+43	4.3e+24	1.261e-29	1.8e-11	9.2e+42	2.0e+24
1216+069	5374	3.107e-30	3.0e-12	2.0e+45	8.3e+26	2.071e-30	3.0e-12	2.1e+45	4.5e+26
1217+023	9612	7.070e-30	6.7e-12	2.1e+45	8.7e+26	4.846e-30	7.0e-12	2.2e+45	4.7e+26
1217+023	9613	7.607e-30	7.2e-12	2.2e+45	9.3e+26	5.224e-30	7.5e-12	2.3e+45	5.0e+26
1217+023	9611	7.640e-30	7.3e-12	2.3e+45	9.3e+26	5.240e-30	7.5e-12	2.3e+45	5.0e+26
1217+023	5423	7.739e-30	7.4e-12	2.3e+45	9.5e+26	5.297e-30	7.6e-12	2.4e+45	5.1e+26
1217+023	9610	7.812e-30	7.4e-12	2.3e+45	9.6e+26	5.345e-30	7.7e-12	2.4e+45	5.1e+26
1217+023	532	1.146e-29	1.1e-11	3.4e+45	1.4e+27	7.998e-30	1.2e-11	3.6e+45	7.7e+26
1218+339	3239	5.307e-31	5.0e-13	2.2e+46	9.2e+27	3.224e-31	4.6e-13	2.9e+46	6.2e+27
1219+755	5424	2.004e-29	1.9e-11	4.0e+44	1.7e+26	1.446e-29	2.1e-11	4.0e+44	8.7e+25
1219+044	3267	2.119e-30	2.0e-12	2.2e+46	9.2e+27	1.446e-30	2.1e-12	2.9e+46	6.3e+27
1221+758	5233	<3.065e-31	<2.9e-13	<1.6e+46	<6.6e+27	<2.226e-31	<3.2e-13	<2.6e+46	<5.5e+27
1222+226	4056	<8.601e-31	<8.2e-13	<1.4e+47	<5.7e+28	<5.816e-31	<8.4e-13	<2.3e+47	<5.0e+28
1222+228B	4056	<5.175e-31	<4.9e-13	<4.2e+46	<1.7e+28	<3.528e-31	<5.1e-13	<6.6e+46	<1.4e+28
1222+228A	4056	5.472e-31	5.2e-13	6.1e+46	2.5e+28	3.700e-31	5.3e-13	9.7e+46	2.1e+28
1223+252	565	9.720e-31	9.2e-13	3.7e+44	1.5e+26	6.175e-31	8.9e-13	3.6e+44	7.8e+25
1223+227	4056	<3.434e-31	<3.3e-13	<3.1e+46	<1.3e+28	<2.273e-31	<3.3e-13	<4.8e+46	<1.0e+28
1225+317	542	9.502e-31	9.0e-13	1.4e+47	5.7e+28	5.957e-31	8.6e-13	2.1e+47	4.5e+28
1226+023	5692	7.766e-29	7.4e-11	8.9e+45	3.7e+27	5.117e-29	7.4e-11	8.6e+45	1.9e+27
1226+023	2037	9.674e-29	9.2e-11	1.1e+46	4.6e+27	6.578e-29	9.5e-11	1.1e+46	2.4e+27
1226+023	9310	1.337e-28	1.3e-10	1.5e+46	6.4e+27	8.667e-29	1.2e-10	1.4e+46	3.1e+27
1228+078	4052	<3.635e-31	<3.5e-13	<2.7e+46	<1.1e+28	<2.453e-31	<3.5e-13	<4.1e+46	<8.9e+27
1228+076	4052	<5.806e-31	<5.5e-13	<4.8e+46	<2.0e+28	<3.793e-31	<5.5e-13	<7.2e+46	<1.6e+28
1228+077	4052	<3.809e-31	<3.6e-13	<7.1e+46	<2.9e+28	<2.497e-31	<3.6e-13	<1.2e+47	<2.5e+28
1229+078A	4052	2.173e-31	2.1e-13	2.0e+46	8.1e+27	1.423e-31	2.0e-13	3.0e+46	6.4e+27
1229+116	279	<1.446e-31	<1.4e-13	<1.0e+46	<4.3e+27	<1.008e-31	<1.5e-13	<1.6e+46	<3.5e+27
1229-021	5127	6.480e-31	6.2e-13	8.4e+45	3.5e+27	4.584e-31	6.6e-13	1.2e+46	2.5e+27
1229+204	3967	9.674e-30	9.2e-12	1.6e+44	6.6e+25	7.077e-30	1.0e-11	1.6e+44	3.5e+25
1229+078B	4052	<7.149e-31	<6.8e-13	<2.9e+46	<1.2e+28	<4.654e-31	<6.7e-13	<4.1e+46	<8.8e+27
1229+077	4052	<5.151e-31	<4.9e-13	<1.6e+47	<6.6e+28	<3.329e-31	<4.8e-13	<2.7e+47	<5.8e+28
1230+120	279	5.051e-31	4.8e-13	4.3e+46	1.8e+28	3.502e-31	5.0e-13	6.9e+46	1.5e+28
1235+264	9974	<8.746e-32	<8.3e-14	<1.9e+46	<7.9e+27	<5.343e-32	<7.7e-14	<2.9e+46	<6.4e+27
1237-101	4036	7.454e-31	7.1e-13	3.9e+45	1.6e+27	5.614e-31	8.1e-13	5.3e+45	1.1e+27
1241+166	3241	4.055e-31	3.9e-13	9.4e+44	3.9e+26	2.820e-31	4.1e-13	1.1e+45	2.4e+26
1241+176	5343	5.264e-31	5.0e-13	1.3e+46	5.2e+27	3.398e-31	4.9e-13	1.7e+46	3.6e+27
1243+346	529	<1.058e-31	<1.0e-13	<1.7e+46	<7.0e+27	<6.488e-32	<9.3e-14	<2.6e+46	<5.5e+27
1244+026	8433	1.081e-29	1.0e-11	9.8e+43	4.1e+25	7.176e-30	1.0e-11	9.0e+43	2.0e+25
1244+345	529	<2.130e-31	<2.0e-13	<2.0e+46	<8.4e+27	<1.395e-31	<2.0e-13	<3.1e+46	<6.7e+27
1244+346A	529	1.547e-32	1.5e-14	1.3e+45	5.5e+26	9.515e-33	1.4e-14	1.9e+45	4.1e+26
1244+346B	529	<2.972e-31	<2.8e-13	<4.8e+46	<2.0e+28	<1.823e-31	<2.6e-13	<7.3e+46	<1.6e+28
1244+347	529	<1.454e-31	<1.4e-13	<3.1e+46	<1.3e+28	<8.965e-32	<1.3e-13	<4.8e+46	<1.0e+28
1245+345	529	<2.430e-31	<2.3e-13	<2.8e+46	<1.1e+28	<1.597e-31	<2.3e-13	<4.3e+46	<9.3e+27
1245+343	529	<1.716e-31	<1.6e-13	<1.3e+46	<5.3e+27	<1.052e-31	<1.5e-13	<1.8e+46	<3.9e+27
1245+342	529	<1.313e-31	<1.2e-13	<1.5e+46	<6.2e+27	<8.040e-32	<1.2e-13	<2.2e+46	<4.7e+27
1246+344	529	<1.223e-31	<1.2e-13	<1.8e+46	<7.4e+27	<7.468e-32	<1.1e-13	<2.7e+46	<5.8e+27
1246+377	3980	<1.837e-31	<1.7e-13	<4.1e+45	<1.7e+27	<1.148e-31	<1.7e-13	<5.2e+45	<1.1e+27
1246+346	529	6.452e-31	6.1e-13	2.5e+44	1.0e+26	4.227e-31	6.1e-13	2.5e+44	5.5e+25
1246-057	4004	<3.327e-31	<3.2e-13	<4.9e+46	<2.0e+28	<2.239e-31	<3.2e-13	<8.1e+46	<1.7e+28
1250+568	479	7.932e-31	7.5e-13	4.6e+44	1.9e+26	4.969e-31	7.2e-13	4.5e+44	9.8e+25
1252+119	4037	1.075e-30	1.0e-12	8.4e+45	3.5e+27	7.593e-31	1.1e-12	1.1e+46	2.4e+27
1253+359	5390	<7.029e-32	<6.7e-14	<8.3e+45	<3.4e+27	<4.364e-32	<6.3e-14	<1.2e+46	<2.6e+27
1253-055	4645	4.598e-30	4.4e-12	9.8e+45	4.0e+27	3.139e-30	4.5e-12	1.1e+46	2.4e+27
1253-055	544	5.871e-30	5.6e-12	1.2e+46	5.2e+27	3.887e-30	5.6e-12	1.4e+46	3.0e+27
1253+358	5390	<6.459e-32	<6.1e-14	<3.2e+44	<1.3e+26	<4.029e-32	<5.8e-14	<3.6e+44	<7.7e+25
1253+361	5390	<7.183e-32	<6.8e-14	<3.0e+44	<1.2e+26	<4.513e-32	<6.5e-14	<3.3e+44	<7.1e+25
1253+360	5390	<6.472e-32	<6.1e-14	<1.9e+45	<8.1e+26	<4.060e-32	<5.8e-14	<2.5e+45	<5.5e+26
1254+571	8957	<4.516e-31	<4.3e-13	<3.0e+42	<1.2e+24	<2.973e-31	<4.3e-13	<2.7e+42	<5.8e+23
1254+047	5375	<6.270e-31	<6.0e-13	<7.8e+45	<3.3e+27	<4.347e-31	<6.3e-13	<1.0e+46	<2.3e+27
1254+356A	5390	2.252e-31	2.1e-13	6.5e+45	2.7e+27	1.413e-31	2.0e-13	8.4e+45	1.8e+27
1254+360	5390	5.563e-32	5.3e-14	2.2e+45	9.2e+26	3.590e-32	5.2e-14	3.1e+45	6.7e+26
1255+359	5390	4.105e-31	3.9e-13	8.4e+44	3.5e+26	2.610e-31	3.8e-13	8.9e+44	1.9e+26
1256+357	5391	3.358e-31	3.2e-13	2.7e+46	1.1e+28	2.076e-31	3.0e-13	3.8e+46	8.3e+27
1256+357	5390	3.387e-31	3.2e-13	2.7e+46	1.1e+28	2.078e-31	3.0e-13	3.8e+46	8.3e+27
1256+355	5391	<1.042e-31	<9.9e-14	<6.8e+45	<2.8e+27	<6.443e-32	<9.3e-14	<9.5e+45	<2.1e+27
1257+361	5391	<7.481e-32	<7.1e-14	<5.0e+44	<2.1e+26	<4.691e-32	<6.8e-14	<5.7e+44	<1.2e+26
1257+359	5391	<5.070e-32	<4.8e-14	<3.0e+43	<1.3e+25	<3.135e-32	<4.5e-14	<2.9e+43	<6.3e+24
1257+356	5391	<5.665e-32	<5.4e-14	<4.0e+45	<1.7e+27	<3.540e-32	<5.1e-14	<5.6e+45	<1.2e+27
1258+287	2041	<3.590e-31	<3.4e-13	<1.2e+45	<5.2e+26	<2.175e-31	<3.1e-13	<1.3e+45	<2.8e+26
1258+286A	2041	<3.628e-31	<3.4e-13	<3.2e+46	<1.3e+28	<2.224e-31	<3.2e-13	<4.6e+46	<9.9e+27
1258+356	5392	4.113e-31	3.9e-13	2.5e+44	1.0e+26	2.523e-31	3.6e-13	2.4e+44	5.1e+25
1258+343	5717	<2.112e-31	<2.0e-13	<1.2e+45	<4.9e+26	<1.327e-31	<1.9e-13	<1.3e+45	<2.9e+26
1258+286B	2041	<4.062e-31	<3.9e-13	<1.2e+46	<5.1e+27	<2.516e-31	<3.6e-13	<1.6e+46	<3.4e+27
1258+342	5717	1.543e-31	1.5e-13	1.4e+46	5.8e+27	9.601e-32	1.4e-13	2.0e+46	4.4e+27
1259+357	5392	<1.390e-31	<1.3e-13	<1.5e+46	<6.3e+27	<8.614e-32	<1.2e-13	<2.2e+46	<4.8e+27
1259+344A	5717	<3.644e-31	<3.5e-13	<3.4e+46	<1.4e+28	<2.255e-31	<3.2e-13	<5.0e+46	<1.1e+28
1259+361	5392	1.412e-31	1.3e-13	5.8e+44	2.4e+26	8.627e-32	1.2e-13	6.2e+44	1.4e+26
1259+359	5391	8.560e-32	8.1e-14	1.9e+45	7.7e+26	5.289e-32	7.6e-14	2.3e+45	5.0e+26
1259+359	5392	<1.100e-31	<1.0e-13	<2.4e+45	<9.9e+26	<6.813e-32	<9.8e-14	<3.0e+45	<6.4e+26
1259+344B	5717	<2.570e-31	<2.4e-13	<8.5e+46	<3.5e+28	<1.588e-31	<2.3e-13	<1.4e+47	<3.0e+28
1259+360	5392	<9.578e-32	<9.1e-14	<6.4e+45	<2.6e+27	<5.908e-32	<8.5e-14	<8.9e+45	<1.9e+27
1300+360	5392	<6.605e-32	<6.3e-14	<2.6e+44	<1.1e+26	<4.096e-32	<5.9e-14	<2.8e+44	<6.1e+25
1300-243	4034	<4.750e-31	<4.5e-13	<7.3e+46	<3.0e+28	<4.492e-31	<6.5e-13	<1.7e+47	<3.6e+28

TABLE 3C—*Continued*

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5: Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Fluxes and Luminosities for α_x=1.0: Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
1301+359	5392	<5.660e-32	<5.4e-14	<2.1e+45	<8.8e+26	<3.518e-32	<5.1e-14	<2.8e+45	<6.1e+26
1301+361	5392	1.347e-32	1.3e-14	8.2e+44	3.4e+26	8.415e-33	1.2e-14	1.1e+45	2.5e+26
1301+358A	5392	1.204e-30	1.1e-12	7.4e+44	3.1e+26	7.501e-31	1.1e-12	7.2e+44	1.5e+26
1301+358B	5392	<5.678e-32	<5.4e-14	<5.0e+44	<2.1e+26	<3.517e-32	<5.1e-14	<5.9e+44	<1.3e+26
1301+356	5392	1.495e-31	1.4e-13	1.6e+46	6.7e+27	9.140e-32	1.3e-13	2.3e+46	5.1e+27
1302+358	5392	<1.008e-31	<9.6e-14	<1.0e+46	<4.2e+27	<6.297e-32	<9.1e-14	<1.5e+46	<3.2e+27
1302+357	5392	<6.295e-32	<6.0e-14	<1.5e+45	<6.3e+26	<3.914e-32	<5.6e-14	<1.9e+45	<4.2e+26
1302-102	3968	6.891e-30	6.5e-12	3.1e+45	1.3e+27	5.334e-30	7.7e-12	3.6e+45	7.9e+26
1303+355	5392	<1.183e-31	<1.1e-13	<1.3e+45	<5.2e+26	<7.015e-32	<1.0e-13	<1.4e+45	<3.1e+26
1303+357A	5392	<1.112e-31	<1.1e-13	<5.7e+45	<2.4e+27	<6.674e-32	<9.6e-14	<7.5e+45	<1.6e+27
1303+362	5392	<9.862e-32	<9.4e-14	<2.8e+45	<1.2e+27	<6.123e-32	<8.8e-14	<3.7e+45	<7.9e+26
1303+358	5392	<1.338e-31	<1.3e-13	<1.2e+44	<4.8e+25	<7.939e-32	<1.1e-13	<1.1e+44	<2.4e+25
1303+360	5392	<6.688e-32	<6.4e-14	<1.3e+46	<5.5e+27	<3.979e-32	<5.7e-14	<2.0e+46	<4.3e+27
1304+310	2046	<4.378e-31	<4.2e-13	<5.0e+44	<2.1e+26	<2.741e-31	<3.9e-13	<5.1e+44	<1.1e+26
1304+346	2608	2.852e-30	2.7e-12	4.9e+44	2.0e+26	1.749e-30	2.5e-12	4.4e+44	9.6e+25
1307+085	5344	9.210e-30	8.7e-12	1.0e+45	4.2e+26	6.427e-30	9.3e-12	1.0e+45	2.2e+26
1309-056	4260	1.778e-31	1.7e-13	2.6e+46	1.1e+28	1.244e-31	1.8e-13	4.4e+46	9.5e+27
1310-108	8434	8.620e-30	8.2e-12	4.1e+43	1.7e+25	6.279e-30	9.0e-12	4.1e+43	8.9e+24
1311+362	5128	<1.371e-31	<1.3e-13	<1.6e+46	<6.6e+27	<8.349e-32	<1.2e-13	<2.3e+46	<5.0e+27
1316+179	5546	1.226e-31	1.2e-13	3.1e+45	1.3e+27	8.408e-32	1.2e-13	4.4e+45	9.6e+26
1318+290A	525	<3.892e-31	<3.7e-13	<2.3e+46	<9.7e+27	<2.420e-31	<3.5e-13	<3.2e+46	<7.0e+27
1321+294	3982	<1.618e-31	<1.5e-13	<1.7e+45	<7.0e+26	<9.821e-32	<1.4e-13	<1.9e+45	<4.2e+26
1328+254	498	4.973e-31	4.7e-13	6.8e+45	2.8e+27	3.072e-31	4.4e-13	8.1e+45	1.8e+27
1328+307	491	4.599e-31	4.4e-13	3.4e+45	1.4e+27	2.839e-31	4.1e-13	3.8e+45	8.3e+26
1330+022	1956	5.252e-30	5.0e-12	1.2e+45	5.0e+26	3.410e-30	4.9e-12	1.2e+45	2.5e+26
1331+170	4023	3.915e-31	3.7e-13	4.5e+46	1.9e+28	2.639e-31	3.8e-13	7.3e+46	1.6e+28
1332+552	3969	5.482e-31	5.2e-13	1.2e+46	5.1e+27	3.377e-31	4.9e-13	1.6e+46	3.4e+27
1333+176	5376	4.649e-31	4.4e-13	1.1e+45	4.4e+26	2.996e-31	4.3e-13	1.2e+45	2.5e+26
1333+286	4016	<2.350e-31	<2.2e-13	<2.0e+46	<8.5e+27	<1.460e-31	<2.1e-13	<2.9e+46	<6.3e+27
1335-127	7168	7.799e-30	7.4e-12	1.7e+46	7.0e+27	6.370e-30	9.2e-12	2.3e+46	5.0e+27
1340+606	496	1.585e-31	1.5e-13	1.6e+45	6.8e+26	1.076e-31	1.5e-13	2.1e+45	4.6e+26
1346-036	4261	<2.481e-31	<2.4e-13	<4.3e+46	<1.8e+28	<1.708e-31	<2.5e-13	<7.4e+46	<1.6e+28
1351+640	520	<6.140e-31	<5.8e-13	<2.0e+43	<8.2e+24	<4.094e-31	<5.9e-13	<1.9e+43	<4.0e+24
1351+695	10596	3.291e-29	3.1e-11	1.2e+44	5.0e+25	2.279e-29	3.3e-11	1.2e+44	2.5e+25
1352+183	5377	5.339e-30	5.1e-12	5.6e+44	2.3e+26	3.553e-30	5.1e-12	5.4e+44	1.2e+26
1352+011	5378	9.382e-32	8.9e-14	1.5e+45	6.3e+26	6.745e-32	9.7e-14	2.2e+45	4.7e+26
1354-152	7169	1.390e-30	1.3e-12	1.2e+47	4.9e+28	1.308e-30	1.9e-12	2.5e+47	5.5e+28
1355-416	3970	8.726e-30	8.3e-12	4.8e+45	2.0e+27	7.401e-30	1.1e-11	6.3e+45	1.4e+27
1358+043	8334	1.175e-30	1.1e-12	1.4e+45	5.7e+26	7.792e-31	1.1e-12	1.5e+45	3.2e+26
1402-012	5396	1.429e-31	1.4e-13	3.2e+46	1.3e+28	1.137e-31	1.6e-13	6.4e+46	1.4e+28
1402+044	3717	4.950e-32	4.7e-14	2.6e+46	1.1e+28	3.506e-32	5.0e-14	5.1e+46	1.1e+28
1402+261	5379	2.587e-30	2.5e-12	3.2e+44	1.3e+26	1.625e-30	2.3e-12	3.0e+44	6.4e+25
1404+226	5380	5.064e-31	4.8e-13	2.1e+43	8.5e+24	3.368e-31	4.8e-13	1.9e+43	4.2e+24
1407+265	5381	4.593e-30	4.4e-12	4.5e+46	1.9e+28	2.907e-30	4.2e-12	5.4e+46	1.2e+28
1407+524	3547	<2.293e-31	<2.2e-13	<2.7e+46	<1.1e+28	<1.474e-31	<2.1e-13	<4.2e+46	<9.1e+27
1408+523	3547	<2.415e-31	<2.3e-13	<3.4e+46	<1.4e+28	<1.562e-31	<2.2e-13	<5.3e+46	<1.1e+28

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5: Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Fluxes and Luminosities for α_x=1.0: Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
1414+091	10437	<1.951e-31	<1.9e-13	<3.4e+46	<1.4e+28	<1.363e-31	<2.0e-13	<5.9e+46	<1.3e+28
1414+252	356	<1.859e-31	<1.8e-13	<1.4e+46	<5.8e+27	<1.227e-31	<1.8e-13	<2.1e+46	<4.6e+27
1415+254	356	<1.143e-31	<1.1e-13	<1.9e+46	<7.8e+27	<7.683e-32	<1.1e-13	<3.1e+46	<6.8e+27
1416-129	5347	1.279e-29	1.2e-11	9.4e+44	3.9e+26	1.170e-29	1.7e-11	1.2e+45	2.7e+26
1416-129	10386	1.474e-29	1.4e-11	1.1e+45	4.5e+26	1.302e-29	1.9e-11	1.4e+45	3.0e+26
1416-129	10388	1.779e-29	1.7e-11	1.3e+45	5.4e+26	1.568e-29	2.3e-11	1.7e+45	3.6e+26
1416-129	10373	1.790e-29	1.7e-11	1.3e+45	5.5e+26	1.648e-29	2.4e-11	1.7e+45	3.8e+26
1416-129	10389	1.950e-29	1.9e-11	1.4e+45	5.9e+26	1.785e-29	2.6e-11	1.9e+45	4.1e+26
1416-129	10387	1.970e-29	1.9e-11	1.4e+45	6.0e+26	1.812e-29	2.6e-11	1.9e+45	4.1e+26
1416+067	502	8.985e-31	8.5e-13.	3.1e+46	1.3e+28	6.101e-31	8.8e-13	4.5e+46	9.7e+27
1417-192	1959	8.912e-30	8.5e-12	5.5e+44	2.3e+26	8.037e-30	1.2e-11	7.1e+44	1.5e+26
1417-192	1960	1.075e-29	1.0e-11	6.6e+44	2.7e+26	9.846e-30	1.4e-11	8.7e+44	1.9e+26
1422+202	7306	5.552e-31	5.3e-13	4.4e+45	1.8e+27	3.963e-31	5.7e-13	5.8e+45	1.2e+27
1422+202	4396	5.663e-31	5.4e-13	4.4e+45	1.8e+27	4.009e-31	5.8e-13	5.8e+45	1.3e+27
1425+267	3971	7.236e-31	6.9e-13	5.7e+44	2.3e+26	4.770e-31	6.9e-13	5.9e+44	1.3e+26
1426+015	10374	1.458e-29	1.4e-11	4.5e+44	1.9e+26	1.030e-29	1.5e-11	4.5e+44	9.7e+25
1426+015	10390	1.496e-29	1.4e-11	4.6e+44	1.9e+26	1.053e-29	1.5e-11	4.6e+44	9.9e+25
1426+015	10392	1.583e-29	1.5e-11	4.9e+44	2.0e+26	1.114e-29	1.6e-11	4.8e+44	1.0e+26
1426+015	10393	1.603e-29	1.5e-11	4.9e+44	2.0e+26	1.132e-29	1.6e-11	4.9e+44	1.1e+26
1426+015	10391	1.768e-29	1.7e-11	5.4e+44	2.3e+26	1.332e-29	1.9e-11	5.8e+44	1.3e+26
1426+015	5348	2.772e-29	2.6e-11	8.5e+44	3.5e+26	2.044e-29	2.9e-11	8.9e+44	1.9e+26
1427+109	8468	4.294e-31	4.1e-13	2.6e+46	1.1e+28	2.905e-31	4.2e-13	3.9e+46	8.5e+27
1433+488	2625	5.263e-30	5.0e-12	3.5e+43	1.4e+25	3.644e-30	5.2e-12	3.3e+43	7.1e+24
1435+638	10421	5.134e-31	4.9e-13	5.8e+46	2.4e+28	3.474e-31	5.0e-13	9.2e+46	2.0e+28
1435-067	5382	8.514e-30	8.1e-12	6.3e+44	2.6e+26	7.189e-30	1.0e-11	7.6e+44	1.6e+26
1441+522	6317	1.993e-30	1.9e-12	9.2e+46	3.8e+28	1.293e-30	1.9e-12	1.3e+47	2.8e+28
1442+101	2051	4.899e-31	4.7e-13	3.7e+47	1.5e+29	3.226e-31	4.6e-13	7.0e+47	1.5e+29
1442+101	2050	6.666e-31	6.3e-13	5.0e+47	2.1e+29	4.548e-31	6.5e-13	9.9e+47	2.1e+29
1443+101	2050	<2.839e-31	<2.7e-13	<3.4e+45	<1.4e+27	<1.816e-31	<2.6e-13	<4.1e+45	<8.9e+26
1448-232	5413	<6.563e-31	<6.2e-13	<9.4e+46	<3.9e+28	<6.313e-31	<9.1e-13	<2.2e+47	<4.8e+28
1451-375	3972	4.352e-30	4.1e-12	2.4e+45	1.0e+27	3.856e-30	5.6e-12	3.3e+45	7.2e+26
1458+718	2690	1.479e-30	1.4e-12	1.3e+46	5.4e+27	1.018e-30	1.5e-12	1.7e+46	3.6e+27
1458+718	494	1.676e-30	1.6e-12	1.5e+46	6.1e+27	1.195e-30	1.7e-12	2.0e+46	4.2e+27
1501+106	6713	3.894e-29	3.7e-11	2.0e+44	8.1e+25	2.668e-29	3.8e-11	1.8e+44	4.0e+25
1502+106	7170	4.326e-31	4.1e-13	3.3e+46	1.4e+28	3.102e-31	4.5e-13	5.5e+46	1.2e+28
1502+106	6713	<1.008e-30	<9.6e-13	<7.8e+46	<3.2e+28	<6.871e-31	<9.9e-13	<1.2e+47	<2.6e+28
1504-166	7307	2.623e-30	2.5e-12	2.1e+46	8.7e+27	2.391e-30	3.4e-12	3.5e+46	7.7e+27
1505+218	4060	<5.247e-31	<5.0e-13	<6.6e+46	<2.7e+28	<4.044e-31	<5.8e-13	<1.2e+47	<2.6e+28
1510-089	2052	6.699e-30	6.4e-12	5.2e+45	2.2e+27	6.163e-30	8.9e-12	7.6e+45	1.6e+27
1510-089	2053	8.316e-30	7.9e-12	6.5e+45	2.7e+27	7.593e-30	1.1e-11	9.3e+45	2.0e+27
1512+370	3973	3.213e-30	3.1e-12	2.7e+45	1.1e+27	2.030e-30	2.9e-12	2.7e+45	5.8e+26
1517+239	4263	<9.859e-31	<9.4e-13	<8.5e+46	<3.5e+28	<7.772e-31	<1.1e-12	<1.5e+47	<3.3e+28
1518+202	10407	<1.170e-31	<1.1e-13	<1.4e+46	<5.8e+27	<8.991e-32	<1.3e-13	<2.6e+46	<5.6e+27
1519+226	5383	3.178e-30	3.0e-12	2.7e+44	1.1e+26	2.495e-30	3.6e-12	3.0e+44	6.5e+25
1522+155	10086	3.387e-31	3.2e-13	1.1e+45	4.5e+26	2.393e-31	3.4e-13	1.3e+45	2.9e+26
1523+214	3983	<9.449e-31	<9.0e-13	<8.5e+46	<3.5e+28	<7.547e-31	<1.1e-12	<1.6e+47	<3.4e+28

TABLE 3C—*Continued*

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5: Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Fluxes and Luminosities for α_x=1.0: Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
1524-136	3911	<7.998e-31	<7.6e-13	<4.7e+46	<1.9e+28	<7.799e-31	<1.1e-12	<1.0e+47	<2.2e+28
1524-136	3910	8.925e-31	8.5e-13	5.2e+46	2.2e+28	8.627e-31	1.2e-12	1.1e+47	2.4e+28
1525+227	10368	1.482e-31	1.4e-13	4.9e+43	2.0e+25	1.158e-31	1.7e-13	5.9e+43	1.3e+25
1525+227	3974	8.329e-31	7.9e-13	2.8e+44	1.2e+26	6.616e-31	9.5e-13	3.3e+44	7.2e+25
1531+359	2649	<2.843e-31	<2.7e-13	<3.2e+43	<1.3e+25	<1.924e-31	<2.8e-13	<3.1e+43	<6.8e+24
1534+580	2614	2.142e-29	2.0e-11	6.9e+43	2.9e+25	1.445e-29	2.1e-11	6.4e+43	1.4e+25
1545+210	2055	9.747e-30	9.3e-12	3.6e+45	1.5e+27	7.686e-30	1.1e-11	4.3e+45	9.3e+26
1545+210	2054	1.052e-29	1.0e-11	3.9e+45	1.6e+27	8.316e-30	1.2e-11	4.7e+45	1.0e+27
1546+027	5397	4.553e-30	4.3e-12	4.9e+45	2.0e+27	3.972e-30	5.7e-12	6.9e+45	1.5e+27
1548+116	2713	<5.121e-31	<4.9e-13	<1.3e+46	<5.3e+27	<4.016e-31	<5.8e-13	<2.1e+46	<4.5e+27
1548+116	524	<9.528e-31	<9.1e-13	<2.4e+46	<9.9e+27	<7.189e-31	<1.0e-12	<3.7e+46	<8.0e+27
1548+114A	2713	2.646e-30	2.5e-12	3.3e+45	1.4e+27	2.067e-30	3.0e-12	4.2e+45	9.0e+26
1548+114A	524	3.809e-30	3.6e-12	4.7e+45	2.0e+27	2.880e-30	4.1e-12	5.8e+45	1.3e+27
1552+085	5384	2.424e-31	2.3e-13	1.5e+43	6.2e+24	1.816e-31	2.6e-13	1.6e+43	3.5e+24
1552+193	2615	6.718e-30	6.4e-12	3.2e+43	1.3e+25	5.193e-30	7.5e-12	3.4e+43	7.3e+24
1555+001	7172	<7.998e-31	<7.6e-13	<5.4e+46	<2.3e+28	<7.183e-31	<1.0e-12	<1.1e+47	<2.4e+28
1556+335	4264	2.802e-31	2.7e-13	1.5e+46	6.2e+27	1.901e-31	2.7e-13	2.3e+46	4.9e+27
1559+088	10438	6.281e-31	6.0e-13	9.8e+46	4.1e+28	4.758e-31	6.9e-13	1.8e+47	3.9e+28
1601+182	3713	<1.203e-31	<1.1e-13	<6.5e+46	<2.7e+28	<9.170e-32	<1.3e-13	<1.4e+47	<3.0e+28
1601+184A	3713	<1.416e-31	<1.3e-13	<2.3e+46	<9.7e+27	<1.089e-31	<1.6e-13	<4.4e+46	<9.6e+27
1601+184B	3713	<9.787e-32	<9.3e-14	<9.0e+45	<3.7e+27	<7.514e-32	<1.1e-13	<1.6e+46	<3.5e+27
1606+289	5719	8.614e-32	8.2e-14	8.6e+45	3.6e+27	6.408e-32	9.2e-14	1.5e+46	3.2e+27
1611+343	7309	3.941e-31	3.7e-13	1.3e+46	5.3e+27	2.565e-31	3.7e-13	1.7e+46	3.8e+27
1611+343	7310	4.667e-31	4.4e-13	1.5e+46	6.2e+27	2.982e-31	4.3e-13	2.0e+46	4.4e+27
1612+266	2056	<8.070e-31	<7.7e-13	<7.8e+44	<3.2e+26	<6.440e-31	<9.3e-13	<1.0e+45	<2.2e+26
1612+266	2057	1.639e-30	1.6e-12	1.6e+45	6.6e+26	1.273e-30	1.8e-12	2.0e+45	4.3e+26
1612+261	2056	8.077e-30	7.7e-12	6.1e+44	2.5e+26	6.187e-30	8.9e-12	6.8e+44	1.5e+26
1612+261	2057	9.482e-30	9.0e-12	7.2e+44	3.0e+26	7.308e-30	1.1e-11	8.0e+44	1.7e+26
1613+658	5385	6.537e-30	6.2e-12	4.8e+44	2.0e+26	4.907e-30	7.1e-12	5.2e+44	1.1e+26
1613+658	10395	1.096e-29	1.0e-11	8.1e+44	3.3e+26	7.766e-30	1.1e-11	8.2e+44	1.8e+26
1613+658	10375	1.131e-29	1.1e-11	8.3e+44	3.4e+26	8.044e-30	1.2e-11	8.5e+44	1.8e+26
1613+658	10394	1.214e-29	1.2e-11	8.9e+44	3.7e+26	8.607e-30	1.2e-11	9.1e+44	2.0e+26
1613+658	10396	1.229e-29	1.2e-11	9.0e+44	3.7e+26	9.263e-30	1.3e-11	9.8e+44	2.1e+26
1613+658	10397	1.355e-29	1.3e-11	1.0e+45	4.1e+26	1.012e-29	1.5e-11	1.1e+45	2.3e+26
1613+055	3716	<1.772e-31	<1.7e-13	<4.4e+46	<1.8e+28	<1.438e-31	<2.1e-13	<9.2e+46	<2.0e+28
1614+051	3716	2.150e-31	2.0e-13	1.1e+47	4.7e+28	1.719e-31	2.5e-13	2.5e+47	5.4e+28
1614+051	7517	3.014e-31	2.9e-13	1.6e+47	6.6e+28	2.511e-31	3.6e-13	3.7e+47	7.9e+28
1615+324	6319	9.217e-31	8.8e-13	9.7e+43	4.0e+25	6.152e-31	8.9e-13	9.4e+43	2.0e+25
1617+175	5350	3.452e-30	3.3e-12	1.9e+44	8.0e+25	2.758e-30	4.0e-12	2.2e+44	4.8e+25
1617+175	484	3.982e-30	3.8e-12	2.2e+44	9.3e+25	3.178e-30	4.6e-12	2.6e+44	5.5e+25
1618+177	5350	1.308e-30	1.2e-12	3.0e+45	1.2e+27	1.088e-30	1.6e-12	4.2e+45	9.1e+26
1618+177	484	1.550e-30	1.5e-12	3.6e+45	1.5e+27	1.225e-30	1.8e-12	4.8e+45	1.0e+27
1622+268	6679	2.541e-31	2.4e-13	3.3e+46	1.4e+28	1.888e-31	2.7e-13	6.0e+46	1.3e+28
1622+268	4053	<4.254e-31	<4.0e-13	<5.6e+46	<2.3e+28	<3.205e-31	<4.6e-13	<1.0e+47	<2.2e+28
1622+269	6679	<8.425e-32	<8.0e-14	<4.2e+46	<1.7e+28	<6.347e-32	<9.1e-14	<8.7e+46	<1.9e+28
1622+238	495	4.439e-31	4.2e-13	4.2e+45	1.7e+27	3.624e-31	5.2e-13	6.4e+45	1.4e+27
1623+271	6679	7.501e-32	7.1e-14	2.6e+45	1.1e+27	5.563e-32	8.0e-14	4.1e+45	9.0e+26
1623+271	4053	<3.906e-31	<3.7e-13	<1.4e+46	<5.7e+27	<2.888e-31	<4.2e-13	<2.1e+46	<4.6e+27
1623+269A	4053	2.744e-31	2.6e-13	1.6e+45	6.5e+26	2.145e-31	3.1e-13	2.2e+45	4.8e+26
1623+269A	6679	3.552e-31	3.4e-13	2.0e+45	8.4e+26	2.662e-31	3.8e-13	2.8e+45	6.0e+26
1623+269A	5720	3.976e-31	3.8e-13	2.3e+45	9.4e+26	2.974e-31	4.3e-13	3.1e+45	6.7e+26
1623+270	6679	<8.000e-32	<7.6e-14	<1.3e+46	<5.4e+27	<5.992e-32	<8.6e-14	<2.4e+46	<5.2e+27
1623+270	4053	<2.490e-31	<2.4e-13	<4.1e+46	<1.7e+28	<1.825e-31	<2.6e-13	<7.3e+46	<1.6e+28
1623+269B	4053	<2.388e-31	<2.3e-13	<2.0e+46	<8.5e+27	<1.869e-31	<2.7e-13	<3.7e+46	<8.0e+27
1623+268A	6679	<7.582e-32	<7.2e-14	<1.6e+46	<6.7e+27	<5.695e-32	<8.2e-14	<3.1e+46	<6.7e+27
1623+268A	4053	<5.851e-31	<5.6e-13	<1.3e+47	<5.2e+28	<4.573e-31	<6.6e-13	<2.5e+47	<5.4e+28
1623+268B	6679	4.194e-32	4.0e-14	9.3e+45	3.9e+27	3.120e-32	4.5e-14	1.8e+46	3.8e+27
1623+268B	4053	<4.642e-31	<4.4e-13	<1.0e+47	<4.3e+28	<3.418e-31	<4.9e-13	<1.9e+47	<4.2e+28
1623+268C	6679	<8.081e-32	<7.7e-14	<2.0e+46	<8.4e+27	<6.009e-32	<8.7e-14	<3.9e+46	<8.4e+27
1623+268C	4053	<3.622e-31	<3.4e-13	<9.1e+46	<3.8e+28	<2.668e-31	<3.8e-13	<1.7e+47	<3.7e+28
1624+269	6679	<6.918e-32	<6.6e-14	<9.4e+45	<3.9e+27	<5.091e-32	<7.3e-14	<1.7e+46	<3.6e+27
1624+269	4053	<6.300e-31	<6.0e-13	<8.6e+46	<3.5e+28	<4.646e-31	<6.7e-13	<1.5e+47	<3.3e+28
1631+627	4054	<1.088e-30	<1.0e-12	<1.0e+47	<4.3e+28	<7.911e-31	<1.1e-12	<1.8e+47	<3.8e+28
1632+391	2058	<3.825e-31	<3.6e-13	<5.6e+45	<2.3e+27	<2.270e-31	<3.3e-13	<6.5e+45	<1.4e+27
1633+630	4054	<1.172e-30	<1.1e-12	<1.5e+47	<6.3e+28	<8.269e-31	<1.2e-12	<2.6e+47	<5.6e+28
1633+382	2058	6.596e-31	6.3e-13	4.9e+46	2.0e+28	4.138e-31	6.0e-13	6.9e+46	1.5e+28
1634+628	4054	<1.726e-30	<1.6e-12	<1.9e+46	<8.1e+27	<1.199e-30	<1.7e-12	<2.6e+46	<5.6e+27
1634+269	8349	7.858e-31	7.5e-13	1.9e+45	7.7e+26	6.166e-31	8.9e-13	2.5e+45	5.3e+26
1634+706	5351	1.222e-30	1.2e-12	3.4e+46	1.4e+28	9.806e-31	1.4e-12	5.6e+46	1.2e+28
1635+119	5425	2.939e-30	2.8e-12	2.8e+44	1.2e+26	2.374e-30	3.4e-12	3.3e+44	7.2e+25
1635+119	567	4.343e-30	4.1e-12	4.2e+44	1.7e+26	3.582e-30	5.2e-12	5.0e+44	1.1e+26
1635+630	4054	<7.177e-31	<6.8e-13	<6.4e+46	<2.6e+28	<4.925e-31	<7.1e-13	<1.0e+47	<2.2e+28
1641+399A	2060	4.237e-30	4.0e-12	1.2e+46	4.9e+27	2.603e-30	3.7e-12	1.2e+46	2.7e+27
1641+399A	2061	4.428e-30	4.2e-12	1.2e+46	5.1e+27	2.676e-30	3.9e-12	1.3e+46	2.7e+27
1641+399A	5694	4.743e-30	4.5e-12	1.3e+46	5.4e+27	2.849e-30	4.1e-12	1.3e+46	2.9e+27
1641+399B	5694	1.745e-30	1.7e-12	1.8e+47	7.4e+28	1.042e-30	1.5e-12	2.5e+47	5.4e+28
1641+399B	2061	2.187e-30	2.1e-12	2.2e+47	9.2e+28	1.331e-30	1.9e-12	3.2e+47	6.9e+28
1655+077	3997	2.308e-30	2.2e-12	7.1e+45	3.0e+27	2.016e-30	2.9e-12	1.1e+46	2.3e+27
1656+053	8469	5.031e-30	4.8e-12	4.2e+46	1.7e+28	4.298e-30	6.2e-12	6.6e+46	1.4e+28
1659+294	2628	5.639e-30	5.4e-12	2.8e+43	1.2e+25	4.476e-30	6.4e-12	3.1e+43	6.7e+24
1703+608	510	5.364e-31	5.1e-13	5.3e+46	2.2e+28	3.872e-31	5.6e-13	8.9e+46	1.9e+28
1704+608	4208	7.183e-31	6.8e-13	6.0e+44	2.5e+26	4.858e-31	7.0e-13	6.4e+44	1.4e+26
1704+608	5688	9.561e-31	9.1e-13	7.9e+44	3.3e+26	6.569e-31	9.5e-13	8.7e+44	1.9e+26
1704+608	2063	9.707e-31	9.2e-13	8.1e+44	3.3e+26	6.679e-31	9.6e-13	8.8e+44	1.9e+26
1704+608	5716	1.008e-30	9.6e-13	8.4e+44	3.5e+26	7.050e-31	1.0e-12	9.3e+44	2.0e+26
1704+608	2062	1.317e-30	1.3e-12	1.1e+45	4.5e+26	9.064e-31	1.3e-12	1.2e+45	2.6e+26
1704+608	510	1.835e-30	1.7e-12	1.5e+45	6.3e+26	1.317e-30	1.9e-12	1.7e+45	3.8e+26
1720+246	420	7.991e-31	7.6e-13	1.2e+44	4.8e+25	6.552e-31	9.4e-13	1.4e+44	3.0e+25
1720+309	2629	1.128e-29	1.1e-11	8.2e+43	3.4e+25	8.594e-30	1.2e-11	8.6e+43	1.9e+25
1721+343	3975	2.049e-29	1.9e-11	4.3e+45	1.8e+27	1.524e-29	2.2e-11	4.7e+45	1.0e+27
1725+044	4230	1.358e-30	1.3e-12	6.6e+44	2.7e+26	1.165e-30	1.7e-12	8.7e+44	1.9e+26
1730-130	10080	2.059e-30	2.0e-12	1.8e+46	7.4e+27	2.204e-30	3.2e-12	3.6e+46	7.7e+27

TABLE 3C—*Continued*

Name	Sequence Number	Fluxes and Luminosities for α_x=0.5: Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}	Fluxes and Luminosities for α_x=1.0: Flux Density (1 keV) ergs cm^{-2} s^{-1}Hz^{-1}	Flux (0.16-3.5 keV) ergs cm^{-2}s^{-1}	Luminosity (0.2-4.5 keV) ergs s^{-1}	Luminosity Density (2 keV,ℓ_x) ergs s^{-1}Hz^{-1}
1730-130	7173	2.634e-30	2.5e-12	2.3e+46	9.5e+27	2.805e-30	4.0e-12	4.5e+46	9.8e+27
1730-130	3888	2.835e-30	2.7e-12	2.5e+46	1.0e+28	3.040e-30	4.4e-12	4.9e+46	1.1e+28
1739+522	7174	9.813e-31	9.3e-13	3.0e+46	1.2e+28	7.428e-31	1.1e-12	4.7e+46	1.0e+28
1746+201	7611	<2.065e-31	<2.0e-13	<1.8e+46	<7.3e+27	<1.901e-31	<2.7e-13	<3.8e+46	<8.1e+27
1748+687	2630	9.455e-31	9.0e-13	1.1e+43	4.4e+24	7.607e-31	1.1e-12	1.2e+43	2.5e+24
1756+237	5129	8.296e-31	7.9e-13	5.1e+46	2.1e+28	7.772e-31	1.1e-12	1.1e+47	2.3e+28
1757+236	10755	2.837e-31	2.7e-13	2.9e+46	1.2e+28	2.681e-31	3.9e-13	6.4e+46	1.4e+28
1757+236	10754	<3.920e-31	<3.7e-13	<4.0e+46	<1.7e+28	<3.722e-31	<5.4e-13	<8.9e+46	<1.9e+28
1803+676	4265	4.303e-30	4.1e-12	3.6e+44	1.5e+26	3.457e-30	5.0e-12	4.1e+44	8.9e+25
1821+107	10422	7.308e-31	6.9e-13	2.2e+46	8.9e+27	7.381e-31	1.1e-12	4.5e+46	9.8e+27
1828+487	487	4.778e-30	4.5e-12	2.0e+46	8.2e+27	4.050e-30	5.8e-12	3.0e+46	6.4e+27
1833+326	2650	3.073e-29	2.9e-11	4.3e+44	1.8e+26	2.792e-29	4.0e-11	5.4e+44	1.2e+26
1845+797	5690	1.091e-29	1.0e-11	1.4e+44	5.9e+25	8.773e-30	1.3e-11	1.6e+44	3.4e+25
1936-155	3987	5.951e-31	5.7e-13	3.3e+46	1.4e+28	5.740e-31	8.3e-13	7.0e+46	1.5e+28
1939-104	354	4.189e-30	4.0e-12	3.9e+41	1.6e+23	4.004e-30	5.8e-12	5.0e+41	1.1e+23
1958-179	7177	1.896e-30	1.8e-12	6.6e+45	2.7e+27	1.737e-30	2.5e-12	1.1e+46	2.3e+27
2037-012	8415	<3.418e-31	<3.2e-13	<4.1e+46	<1.7e+28	<3.059e-31	<4.4e-13	<8.7e+46	<1.9e+28
2037+511	2179	<4.503e-30	<4.3e-12	<2.6e+47	<1.1e+29	<5.396e-30	<7.8e-12	<7.0e+47	<1.5e+29
2037-005	8415	6.354e-31	6.0e-13	1.8e+45	7.4e+26	5.545e-31	8.0e-13	2.7e+45	5.8e+26
2038-011	8415	<1.933e-31	<1.8e-13	<3.0e+46	<1.2e+28	<1.717e-31	<2.5e-13	<6.4e+46	<1.4e+28
2112+059A	8437	<8.495e-31	<8.1e-13	<1.2e+45	<5.2e+26	<7.514e-31	<1.1e-12	<1.8e+45	<3.9e+26
2112+059B	8437	<8.813e-31	<8.4e-13	<8.7e+44	<3.6e+26	<7.699e-31	<1.1e-12	<1.2e+45	<2.6e+26
2120+168	504	<3.421e-31	<3.2e-13	<2.5e+46	<1.0e+28	<3.119e-31	<4.5e-13	<5.1e+46	<1.1e+28
2121+053	2064	2.330e-30	2.2e-12	1.9e+47	8.0e+28	2.037e-30	2.9e-12	3.9e+47	8.4e+28
2125-148	528	<1.978e-31	<1.9e-13	<3.2e+46	<1.3e+28	<1.643e-31	<2.4e-13	<6.6e+46	<1.4e+28
2126-150A	528	1.830e-31	1.7e-13	2.6e+46	1.1e+28	1.548e-31	2.2e-13	5.3e+46	1.1e+28
2126-158	5280	5.236e-30	5.0e-12	2.9e+48	1.2e+30	4.412e-30	6.4e-12	6.9e+48	1.5e+30
2126-150B	528	<1.902e-31	<1.8e-13	<2.3e+46	<9.4e+27	<1.612e-31	<2.3e-13	<4.6e+46	<1.0e+28
2128-123	8413	4.677e-30	4.4e-12	8.3e+45	3.4e+27	3.811e-30	5.5e-12	1.1e+46	2.4e+27
2130+099	1972	8.382e-30	8.0e-12	1.3e+44	5.2e+25	6.772e-30	9.8e-12	1.4e+44	3.1e+25
2130+099	1971	1.738e-29	1.7e-11	2.6e+44	1.1e+26	1.413e-29	2.0e-11	2.9e+44	6.4e+25
2134+004	543	9.919e-31	9.4e-13	9.1e+46	3.8e+28	7.646e-31	1.1e-12	1.6e+47	3.5e+28
2135-147	5426	9.700e-30	9.2e-12	1.9e+45	7.8e+26	7.885e-30	1.1e-11	2.3e+45	4.9e+26
2135-147	531	1.274e-29	1.2e-11	2.5e+45	1.0e+27	1.059e-29	1.5e-11	3.1e+45	6.6e+26
2141+175	4647	2.566e-30	2.4e-12	5.8e+44	2.4e+26	2.452e-30	3.5e-12	8.2e+44	1.8e+26
2141+175	9668	2.601e-30	2.5e-12	5.8e+44	2.4e+26	2.477e-30	3.6e-12	8.3e+44	1.8e+26
2141+175	9672	2.809e-30	2.7e-12	6.3e+44	2.6e+26	2.679e-30	3.9e-12	9.0e+44	1.9e+26
2141+175	9667	2.815e-30	2.7e-12	6.3e+44	2.6e+26	2.684e-30	3.9e-12	9.0e+44	1.9e+26
2141+037	3958	<2.308e-31	<2.2e-13	<1.7e+46	<6.9e+27	<1.941e-31	<2.8e-13	<3.2e+46	<6.8e+27
2143+040	3958	<1.150e-32	<1.1e-14	<1.2e+45	<4.8e+26	<9.522e-33	<1.4e-14	<2.3e+45	<4.9e+26
2143-156	4000	1.558e-30	1.5e-12	6.7e+45	2.8e+27	1.217e-30	1.8e-12	9.2e+45	2.0e+27
2145+067	5130	5.170e-30	4.9e-12	5.9e+46	2.4e+28	4.261e-30	6.1e-12	9.2e+46	2.0e+28
2155+034	3959	<2.212e-31	<2.1e-13	<1.9e+46	<7.9e+27	<1.841e-31	<2.7e-13	<3.6e+46	<7.9e+27
2201+315	7182	7.507e-30	7.1e-12	3.7e+45	1.5e+27	7.103e-30	1.0e-11	5.3e+45	1.2e+27
2201+315	3976	9.634e-30	9.1e-12	4.7e+45	1.9e+27	9.323e-30	1.3e-11	7.0e+45	1.5e+27
2201+171	7483	8.932e-31	8.5e-13	1.3e+46	5.3e+27	7.746e-31	1.1e-12	2.2e+46	4.7e+27
2204-408	3722	6.679e-33	6.3e-15	3.4e+45	1.4e+27	4.297e-33	6.2e-15	6.0e+45	1.3e+27
2206-474	6714	8.819e-29	8.4e-11	1.2e+43	4.9e+24	5.971e-29	8.6e-11	1.1e+43	2.3e+24
2209+184	8438	1.302e-29	1.2e-11	2.6e+44	1.1e+26	1.067e-29	1.5e-11	3.0e+44	6.4e+25
2214+139	2616	8.150e-31	7.7e-13	1.5e+43	6.1e+24	6.592e-31	9.5e-13	1.7e+43	3.6e+24
2216-038	2068	2.102e-30	2.0e-12	1.8e+46	7.5e+27	1.794e-30	2.6e-12	2.9e+46	6.3e+27
2221-023	1973	7.249e-31	6.9e-13	9.4e+42	3.9e+24	6.052e-31	8.7e-13	1.1e+43	2.4e+24
2223-052	8022	5.889e-30	5.6e-12	1.9e+47	7.9e+28	5.013e-30	7.2e-12	3.4e+47	7.4e+28
2223-052	519	8.753e-30	8.3e-12	2.8e+47	1.2e+29	7.269e-30	1.0e-11	5.0e+47	1.1e+29
2223-052	4646	1.325e-29	1.3e-11	4.3e+47	1.8e+29	1.110e-29	1.6e-11	7.6e+47	1.6e+29
2223+210	5131	4.592e-30	4.4e-12	4.4e+47	1.8e+29	3.842e-30	5.5e-12	8.5e+47	1.8e+29
2225-055	4017	<1.463e-30	<1.4e-12	<1.4e+47	<6.0e+28	<1.209e-30	<1.7e-12	<2.8e+47	<6.0e+28
2230+114	4042	4.310e-30	4.1e-12	5.6e+46	2.3e+28	3.661e-30	5.3e-12	9.2e+46	2.0e+28
2230+114	7184	7.832e-30	7.4e-12	1.0e+47	4.2e+28	6.884e-30	9.9e-12	1.7e+47	3.7e+28
2232+134	5386	<9.177e-31	<8.7e-13	<1.1e+46	<4.7e+27	<7.395e-31	<1.1e-12	<1.8e+46	<3.8e+27
2233+134	5386	1.378e-30	1.3e-12	8.3e+44	3.4e+26	1.110e-30	1.6e-12	1.0e+45	2.3e+26
2233+136	5386	<4.767e-31	<4.5e-13	<2.5e+47	<1.0e+29	<3.854e-31	<5.5e-13	<5.6e+47	<1.2e+29
2234+282	10087	7.090e-31	6.7e-13	4.3e+45	1.8e+27	6.273e-31	9.0e-13	6.9e+45	1.5e+27
2251+158	492	6.391e-30	6.1e-12	4.8e+46	2.0e+28	5.632e-30	8.1e-12	7.8e+46	1.7e+28
2251+158	3908	7.414e-30	7.0e-12	5.6e+46	2.3e+28	6.554e-30	9.4e-12	9.1e+46	2.0e+28
2251+113	2073	<6.646e-31	<6.3e-13	<3.9e+44	<1.6e+26	<5.547e-31	<8.0e-13	<5.1e+44	<1.1e+26
2251+113	2072	<1.042e-30	<9.9e-13	<6.2e+44	<2.6e+26	<8.581e-31	<1.2e-12	<7.9e+44	<1.7e+26
2253+417	5144	9.661e-31	9.2e-13	3.7e+46	1.5e+28	9.488e-31	1.4e-12	7.7e+46	1.7e+28
2254+024	4024	3.742e-31	3.6e-13	4.4e+46	1.8e+28	3.180e-31	4.6e-13	8.9e+46	1.9e+28
2255+416	5144	7.726e-31	7.3e-13	7.6e+45	3.1e+27	7.666e-31	1.1e-12	1.4e+46	3.1e+27
2300+086	1977	4.791e-29	4.6e-11	5.2e+43	2.2e+25	4.013e-29	5.8e-11	6.0e+43	1.3e+25
2300+086	1978	5.480e-29	5.2e-11	6.0e+43	2.5e+25	4.612e-29	6.6e-11	6.9e+43	1.5e+25
2301+223	2617	1.971e-30	1.9e-12	1.2e+43	5.1e+24	1.684e-30	2.4e-12	1.4e+43	3.1e+24
2305+187	3977	3.816e-30	3.6e-12	2.1e+45	8.7e+26	3.375e-30	4.9e-12	2.9e+45	6.2e+26
2316-000	6719	7.090e-30	6.7e-12	2.3e+43	9.5e+24	5.168e-30	7.4e-12	2.3e+43	4.9e+24
2344+092	538	2.562e-30	2.4e-12	9.8e+45	4.1e+27	2.172e-30	3.1e-12	1.5e+46	3.1e+27
2345-167	2076	8.283e-31	7.9e-13	2.1e+45	8.7e+26	5.407e-31	7.8e-13	2.3e+45	5.0e+26
2345-167	2077	9.972e-31	9.5e-13	2.5e+45	1.0e+27	6.530e-31	9.4e-13	2.8e+45	6.1e+26
2345+184	1982	2.024e-31	1.9e-13	6.5e+44	2.7e+26	1.588e-31	2.3e-13	8.9e+44	1.9e+26
2345+184	1981	5.998e-31	5.7e-13	1.9e+45	8.0e+26	4.683e-31	6.7e-13	2.6e+45	5.7e+26
2348-014	5387	<5.121e-31	<4.9e-13	<5.6e+46	<2.3e+28	<3.770e-31	<5.4e-13	<9.7e+46	<2.1e+28
2349-014	5387	9.409e-30	8.9e-12	1.3e+45	5.5e+26	6.470e-30	9.3e-12	1.4e+45	2.9e+26
2349-015	5387	<6.719e-32	<6.4e-14	<9.4e+45	<3.9e+27	<4.656e-32	<6.7e-14	<1.6e+46	<3.4e+27
2353+072A	3167	1.350e-30	1.3e-12	8.4e+42	3.5e+24	1.117e-30	1.6e-12	9.6e+42	2.1e+24
2353+072B	2651	5.840e-31	5.5e-13	4.0e+44	1.7e+26	4.922e-31	7.1e-13	5.3e+44	1.1e+26
2357-348	4268	2.140e-31	2.0e-13	2.4e+46	1.0e+28	1.290e-31	1.9e-13	3.5e+46	7.6e+27

[a] This table is also published in computer-readable form in the AAS CD-ROM Series, Vol. 2.

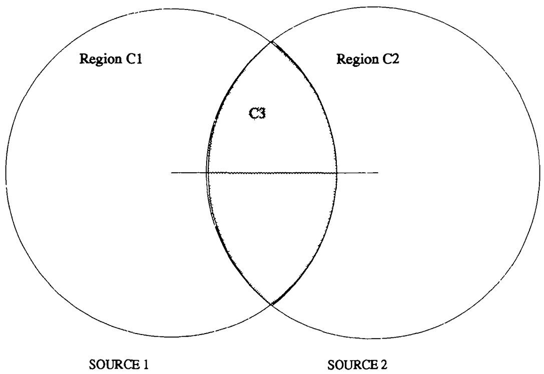

FIG. 1.—Schematic diagram showing the respective regions of overlapping source circles from which counts C_1, C_2, and C_3 are extracted.

increase the contaminating counts. The fraction of counts, x, from one source falling inside the 3′ circle around a nearby source, varies with source separation and with the pulse-height (PH) distribution of the counts, which in turn depends on the detector gain and the source spectrum. Since these sources are contaminating one another, we do not know the exact PH distribution for either source which limits the accuracy of our corrections for this effect. To quantify this situation, we examined the fraction of counts falling into a circle around a putative nearby source as a function of separation distance using seven observations of bright Seyfert galaxies and quasars covering a full range of the IPC gain: 12–18. For the source separations of interest (2′–4′), the correction factor, x, was mostly dependent on the detector gain with separation a secondary factor. Mean values appropriate for the different gain ranges are shown in Table 4; we note that these values of x are quite comparable to the scattering correction factor of 1.8% for isolated sources quoted in the previous section. Given the detector gain for the observation of interest, a correction based on the first results for S_1 and S_2 was computed and applied to N_1 and N_2. Values for S_1, S_2, and σ_1 were then recomputed.

This iterative process was repeated for five cycles which was usually more than sufficient for convergence. On a few occasions unphysical conditions (such as negative count rates) were encountered. We then decreased x to $x - 0.005$ under the assumption that the source spectrum is flatter than average, and restarted the iteration using the original net counts. For estimates of S_1 less than 0, no iterative correction was applied since any contamination effect is insufficient to produce a positive net count rate for the target.

In the case of N's or S's being negative and $|N_1| \simeq |N_2|$, the estimate of σ_1 can become unstable due to a small denominator. To guard against unreasonably high error estimates, the error appropriate for the noncontaminated case, $\sqrt{C_1 + C_3}$, was substituted if its value was lower than σ_1.

3.3. *Deep Survey Fields*

A background map for each observation is generated during the standard Rev1B processing by combining (1) the instrument flat field (DSMAP) generated from source-subtracted deep survey fields, which accounts for cosmic-ray background and non-uniformities in the detector; and (2) the diffuse background (BEMAP) generated from data taken while looking at the bright Earth, which includes contributions from the sky and from solar-scattered X-rays. The contribution of the DSMAP is determined by the exposure time and that of the BEMAP from the source-subtracted background count rate in the image. In the standard processing, a first pass is made through the image using a local background estimate to detect and subtract sources in order to determine the background rate and evaluate the BEMAP contribution. A second source detection pass is then made using the combined DSMAP and BEMAP to find fainter sources. The final source list includes sources detected in both passes. For standard processing no subsequent correction is made to the background map to correct for any additional sources found in the second pass. While such a correction would be negligible in most cases, long observations may contain a number of weak sources which are not initially detected. This would result in an overestimate of the background rate and thus the level of the background map. We developed an iterative procedure to regenerate the background map after the second source detection search, repeat the search, and generate a final background map. This procedure was applied to fields with >20000 s of exposure time with the exception of those containing obvious diffuse sources. In these fields, no second source detection pass is made due to the large uncertainties involved, which in turn may lead to an overestimate of the background level and the failure to detect a relatively weak point source. The change in background level was significant only for the BF fields (sequence numbers 5390, 5391, 5392), which contain an unusually large number of weak sources.

3.4. *Partially Obscured Objects*

There are a number of cases where the 3′ circle around a quasar position partially overlaps the IPC ribs which obscure X-rays from a source, or where the circle is partially off the edge of the detector. For these, detection was determined from the counts available in a smaller box so the detection sensitivity is reduced. The source counts were measured from an unobscured half- or three-quarter circle and corrected for the fraction of area not used. If more than half the circle was obscured more than 5% of the time (due to small motions of the satellite), then the source was not processed and is listed as obscured or on the field edge in Table 5. Otherwise, the source counts were used to estimate the flux or upper limit in the usual way. The obscuration seriously decreases the area over which PH counts can be obtained from the image and in the case of the ribs presents an additional energy-dependent effect,

TABLE 4

CORRECTION FACTOR, x, AS A FUNCTION OF DETECTOR GAIN

Gain	Correction Factor, x
≤14.0	0.025
14.0 < Gain ≤ 15.0	0.020
>15.0	0.015

preventing accurate determination of a PSF correction. A mean PSF correction of 1.8% (see § 3.1) was applied for the partially obscured objects. Quasars processed in this way are noted in Table 2 (notes 2 and 3).

3.5. *Quasars Not Processed*

A number of objects could not be processed for a variety of reasons including multiple nearby sources, excessive obscuration by ribs/edge, mispointing, no aspect solution (useful information may still be obtainable for these objects), or unresolved computer processing errors (which may eventually be resolved). For completeness, they are listed in Table 5 along with the reason for their omission. For the user's convenience we also list omitted objects misclassified as quasars in the *Einstein Observatory* Catalog of Observations (5th edition), objects with no redshift and thus questionable quasars; a set of

TABLE 5A

OBJECTS NOT INCLUDED IN THIS PAPER[a]

Name	Sequence Number	Explanation
0002+51	8701	No aspect (~1000 s of exposure)
0008−22	6727	Classification unknown (search for quasars)
0017+20	6728	Classification unknown (search for quasars)
0026+346	5141	No *z*
0057+311	2619	Obscured
0108+389	8464	X-ray–selected target
0131−402	2578	Obscured
0131−405	2578	Unresolved error
0131−404B	2578	Unresolved error
0131−406	2578	Unresolved error
0131−413	2578	At field edge
0132−403	2578	Obscured
0132−406	2578	Incorrect optical position analyzed
0139+044	4057	No *z*
0143+077	4058	No *z*
0207−14	6729	Classification unknown (search for quasars)
0250−22	6730	Classification unknown (search for quasars)
0321−53	4254	Mispointed (intended target at 0321−337)
0323−24	6731	Classification unknown (search for quasars)
0327−24	6732	Classification unknown (search for quasars)
0332+07	6733	Classification unknown (search for quasars)
0348−04	6734	Classification unknown (search for quasars)
0349−139	2346	No *z*
0350−09	2710	Mispointed (3C 95 intended target at 0349−14)
0404−128	10648	Unknown classification, no *z*
0458+13	6735	Classification unknown (search for quasars)
0548−322	2707	BL Lac
0602+67	6736	Classification unknown (search for quasars)
0627−19	6737	Classification unknown (search for quasars)
0731+653	5227	Incorrect optical position analyzed
0809+04	2719	Mispointed (unknown classification for target at 0829+47)
0830+112	2023	X-ray–selected target
0830+112	2024	X-ray–selected target
0844+186	4059	No *z* (target differs from X-ray–selected QSO 5′ away)
0855+14	8980	No aspect (satellite probably mispointed)
0912+297	2716	BL Lac
0920+39	6738	Classification unknown (search for quasars)
0931−11	6739	Classification unknown (search for quasars)
0938+119	530	Unresolved error
1107−11	6740	Classification unknown (search for quasars)
1107+379	3238	Radio galaxy
1138+041	5356	Nearby sources; target is a PG quasar
1143−28	6741	Classification unknown (search for quasars)
1215+303	2715	BL Lac
1219+285	2035	BL Lac
1227+074	4052	Obscured
1243−16	6742	Classification unknown (search for quasars)
1254+359	5390	Unresolved error (BF 30)
1254+362	5390	Obscured (BF 38)
1254+59	2612	Mispointed (Mnk 231 intended target at 1254+37)
1254+356B	5390	Nearby sources (BF41)
1300+362	5392	Nearby sources (BF 202)
1302+361	5392	Nearby sources plus obscured (BF 247)
1303+31	2046	Mispointed (B264 intended target at 1259+32)
1303+357B	5392	At edge of field of view requiring unmasking (BF 275)
1318+290B	525	Analysis to be done (TON 156)
1330+10	10352	Unknown classification
1413+135	5143	BL Lac
1430−15	6743	Classification unknown (search for quasars)
1505+220	4060	No *z*
1515+231	8047	No *z*
1519+257	4061	No *z*
1527+208	4062	No *z*
1548+114B	524	Nearby sources
1642+690	7192	No aspect (~2200 s of exposure)
1749+701	2720	BL Lac
1928+738	7589	No aspect (~3000 s of exposure)
2044−027	8981	Short exposure (~300 s); analysis to be done
2047+09	6744	Classification unknown (search for quasars)
2117+02	552	BL Lac
2201+044	553	BL Lac
2251−178	2074	X-ray–selected target
2252−09	6746	Classification unknown (search for quasars)
2330+08	6747	Classification unknown (search for quasars)

NOTE.—See text for details.
[a] This table is also published in computer-readable form in the AAS CD-ROM Series, Vol. 2.

TABLE 5B

OBJECTS INCLUDED IN THIS PAPER, WITH INCOMPLETE ANALYSIS FOR INDIVIDUAL OBSERVATIONS LISTED HERE[a]

Name	Sequence Number	Explanation
0121−590	6726	No aspect (~1800 s of exposure)
1258+356	5391	Unresolved error (BF 141)
1259+357	5391	Obscured (BF 161)
1259+361	5391	Obscured (BF 164)
1259+360	5391	Obscured (BF 170)
1622+268	5720	Analysis to be done (KP 70)
1622+269	4053	Obscured (KP 71)
1622+269	5720	Analysis to be done (KP 71)
1623+271	5720	Analysis to be done (KP 72)
1623+270	5720	Analysis to be done (KP 73)
1623+269B	6679	Nearby sources (KP 74)
1623+269B	5720	Analysis to be done (KP 74)
1623+268A	5720	Analysis to be done (KP 76)
1623+268B	5720	Analysis to be done (KP 77)
1623+268C	5720	Analysis to be done (KP 78)
1624+269	5720	Analysis to be done (KP 79)
2141+175	9669	No aspect (satellite mispointed)
2141+175	9670	No aspect (satellite mispointed)

[a] This table is also published in computer-readable form in the AAS CD-ROM Series, Vol. 2.

objects listed as quasars in the Yellow Book (Seq. 6727–6747) which in reality were targets hypothesized, but not confirmed, as quasars with possible high X-ray luminosity, and a few objects not yet properly processed due to coordinate errors. Table 5A lists such objects which have been omitted from this paper, while Table 5B is comprised of objects for which results are reported here but for which one or more observation sets (sequences) have not yet been fully analyzed.

3.6. *Optical Data*

Optical B and/or V magnitudes, collated primarily from the quasar catalogues (Hewitt & Burbidge 1987, 1989, hereafter HB87 and HB89; Véron-Cetty & Véron 1987, hereafter VV87), are listed in Table 6 along with the reference. For these two catalogs, magnitudes of quasars without color data are quoted as "V." In many cases the original references provide additional information (such as photographic magnitude which approximates B). To the extent possible, we rechecked the literature for objects without color information in the catalogues. Where applicable, we changed "V" magnitudes in the catalogs to B in Table 6 and indicated such objects by a 2 in the Note column. Additional reference information is provided by other entries to the Note column of Table 6 for several quasars for which the catalog magnitudes have been superseded. In some cases, such as the PG quasars, we used the original reference (e.g., Schmidt & Green 1983) and B magnitudes, which occasionally differ slightly from the values in HB87 and HB89, and VV87. When V magnitudes from the quasar catalogs for PG quasars are included in Table 6, the $B - V$ color does not always agree with the color difference quoted in the quasar catalogs. For other samples, such as Sramek & Weedman (1980) and Anderson (1990), the available magnitudes are essentially B and are quoted as such in Table 6 without an accompanying note, even though HB87 and HB89 and VV87 may list the same data as V magnitudes. We calculated the 2500 Å (rest frame) optical luminosity, l_o, from the B magnitude, where available, assuming a power-law energy distribution with slope (α_o) of 0.5. This calculation was made using a magnitude-to-flux conversion constant of 48.36 for B magnitudes (Hayes & Latham 1975) leading to the following equation for the emitted flux at 2500 Å:

$$\log [f_{\rm em}(2500)] = -19.34 + \alpha_0 \log \left(\frac{2500}{4400}\right) - (1 - \alpha_0) \log [1 + z] - 0.4(B - A_B + \Delta B) . \quad (6)$$

When no B magnitude was available, the V magnitude was used with a conversion constant of 48.60 (Oke 1974) leading to a constant of −19.44 in the equation above.

When no B magnitude was available, the V magnitude was used with a conversion constant of 48.60 (Oke 1974) leading to a constant of −19.44 in the equation above.

The correction for reddening along the line of sight through our Galaxy assumes the constant gas-to-dust ratio given by Burstein & Heiles (1978) so that

$$E_{B-V} = \max [0,(-0.055 + 1.987 \times 10^{-22} N_{\rm H})] , \quad (7)$$

where $N_{\rm H}$ is the Galactic value as used to determine the X-ray luminosity. Following Allen (1973), we then take

$$A_V = 3E_{B-V}$$
$$A_B = A_V + E_{B-V} = 4E_{B-V} . \quad (8)$$

The correction for the presence of emission lines in the B, V filter range uses the formula

$$\Delta B = 2.5 \log_{10} \left[1 + W_\lambda(1 + z) \frac{R_B(\lambda)}{\int R_B(\lambda) d\lambda}\right] , \quad (9)$$

where W_λ is the rest frame equivalent width in Å of the emission line; $\lambda = \lambda_{\rm rest}(1 + z)$, is the observed wavelength of the line at redshift z; and R_B is the response of the B filter in Å^{-1} (and similarly for V; Marshall 1983). Adopted mean equivalent widths for prominent emission lines were taken from Wilkes (1986) and are shown in Table 7. No correction was made for the contribution of starlight which is expected to be important at low l_o ($\log l_o \le 29$). This does effect the results of our analysis (see § 5.3).

We note that the values of $\log l_o$ (the spectral luminosity at 2500 Å in units of erg s^{-1} Hz^{-1} computed using eq. [6] assuming $\alpha_o = 0.5$) are lower than those reported in earlier papers (Marshall et al. 1984; AT86; Worrall et al. 1987) by 0.06 on average. This is due to a combination of updated constants for the magnitude-to-flux conversion, a more accurate reddening correction, and generally smaller corrections for emission lines due to updated equivalent width measurements. This mean change results in a negligible change in the resulting α_{ox} values of 0.002.

The effective optical-to-X-ray power-law slope, α_{ox}, also listed in Table 6, was computed following the definition:

$$\alpha_{ox} = -\frac{\log (l_x/l_0)}{\log (\nu_x/\nu_{\rm opt})} , \quad (10)$$

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TABLE 6

OPTICAL DATA[a]

Name	Seq	B	Note	Ref	V	Ref	Log(ℓ_o) ergs $s^{-1}Hz^{-1}$	α_{ox} (for $\alpha_x = 0.5$)
0002 − 422	4247	17.44		VV87	17.21	VV87	32.44	≥ 1.42
0003 + 158	5360	15.96		SG83	16.40	VV87	31.21	1.34
0007 − 000	8450				17.	HB89	32.32	≥ 1.46
0007 + 106	10125	16.11		SG83	15.40	HB89	29.74	1.40
0007 + 106	2634	16.11	1	SG83	15.40	HB89	29.74	1.05
0007 + 106	6718	16.11		SG83	15.40	HB89	29.74	1.17
0007 + 171	3999				18.0	VV87	31.56	1.32
0009 − 016	8451	18.1	2	HB89			31.88	≥ 1.50
0013 − 004	8453				17.	HB89	32.23	≥ 1.60
0014 + 166	5361		14		16.23	HB89	29.56	≥ 1.74
0014 + 318	2718				18.5	SIMBA	30.96	1.28
0014 + 159	6834	20.4		ANDP			31.06	≥ 1.22
0014 + 159	7597	20.4	1	ANDP			31.06	≥ 1.29
0015 + 155	6834	20.6	2	HB89			30.99	≥ 1.12
0016 + 731	7583		15		18.	HB89	32.12	1.48
0017 + 154	505	18.44		VV87	18.21	VV87	31.77	1.50
0019 + 011	5114	18.9	2	HB89			31.61	≥ 1.18
0019 + 011	8452	18.9	1,2	HB89			31.61	≥ 1.34
0026 + 129	9552	14.95		SG83	15.41	VV87	30.58	1.39
0026 + 129	9553	14.95		SG83	15.41	VV87	30.58	1.40
0026 + 129	9550	14.95		SG83	15.41	VV87	30.58	1.41
0026 + 129	9551	14.95		SG83	15.41	VV87	30.58	1.41
0026 + 129	518	14.95	1	SG83	15.41	VV87	30.58	1.41
0026 + 129	5417	14.95		SG83	15.41	VV87	30.58	1.41
0037 − 018	5393	18.	2	HB89			32.01	≥ 1.42
0038 − 020	5393		4		18.00	VV87	31.19	1.31
0043 + 008	4020				17.	HB89	32.26	≥ 1.53
0044 + 030	5362	15.97		SG83			31.49	1.59
0049 + 171	8431	15.88		SG83			29.49	1.18
0049 + 007	8454		4		17.0	VV87	32.34	2.14
0049 + 014	8455				17.	HB89	32.31	1.59
0050 + 124	2632	14.39		SG83	14.03	VV87	30.07	1.42
0051 + 291	5123				17.8	HB89	31.81	1.30
0051 + 146	541	17.69		HB89	17.79	HB89	31.21	≥ 1.61
0052 + 145	541	17.71		HB89	17.81	HB89	31.25	≥ 1.61
0052 + 251	5334	15.42		SG83			30.48	1.33
0054 + 144	5418	16.6		HB89	16.7	HB89	30.09	1.28
0054 + 144	4248	16.6	1	HB89	16.7	HB89	30.09	1.28
0055 + 004	8456	17.7	2	HB89			31.98	≥ 1.46
0056 − 001	3995	17.53		VV87	17.33	VV87	31.01	1.34
0057 + 315	2619	15.25		VV87	14.81	VV87	28.50	1.11
0058 + 019	2717	17.48		VV87	17.16	VV87	32.09	≥ 1.28
0100 + 130	2009	16.97		VV87	16.57	VV87	32.62	≥ 1.55
0106 + 013	2011	18.54		VV87	18.39	VV87	31.75	1.21
0109 + 022	8458	17.8	2	HB89			32.10	≥ 1.48
0112 − 017	5394				17.41	HB89	31.63	1.35
0115 − 011	8459	18.3	2	HB89			31.89	≥ 1.51
0117 + 213	5354	16.05		SG83			32.42	≥ 1.51
0119 + 041	3254				19.5	HB89	29.98	1.03
0119 − 013	2633	15.74		VV87	15.17	VV87	29.39	1.50
0119 − 046	5124	17.34		VV87	16.88	VV87	32.17	≥ 1.39
0119 + 229	8427	15.41		SG83			29.56	≥ 1.85
0121 − 590	523	13.45		VV87	13.25	VV87	30.10	1.26
0122 − 380	4003				16.5	HB89	32.47	≥ 1.55
0126 + 030	8460	17.8	2	HB89			31.74	≥ 1.57
0128 + 074	8332	18.31		VV87	18.02	VV87	30.15	≥ 1.43
0130 + 033	4249	17.01		VV87	17.04	VV87	30.56	1.42
0130 − 403	2578	17.68		VV87	17.02	VV87	32.48	≥ 1.55
0130 − 406	2578	19.	2	HB89			31.63	≥ 1.49
0131 − 404*A*	2578	19.	2	HB89			31.17	1.64
0131 + 037	4249	18.7	2	HB89	18.9	HB89	29.56	1.17
0131 − 409*B*	2578	19.5	5	HB89			31.42	1.31
0131 − 409*A*	2578	19.0	5	HB89			31.07	≥ 1.52
0132 − 408	2578	20.5	5	HB89			31.05	≥ 1.27
0133 + 207	482	18.15	1	VV87	18.10	VV87	30.34	1.01
0133 + 207	540	18.15		VV87	18.10	VV87	30.34	0.96
0133 + 207	5419	18.15		VV87	18.10	VV87	30.34	1.06
0134 + 033	513	17.92		HB89	17.6	HB89	28.82	≥ 1.60
0134 + 329	480	16.62		VV87	16.20	VV87	30.77	1.27
0135 − 247	3996	17.52		VV87	17.33	VV87	31.16	1.32
0137 + 060	4250	16.8		VV87	17.0	VV87	30.75	1.76
0137 − 010	4251	16.37		VV87	16.49	VV87	30.75	1.49
0140 − 306	3719				18.5	HB89	32.06	≥ 1.44
0143 − 015	3718	18.8	2	HB89			32.10	1.66
0143 − 010	3714				19.	HB89	31.81	≥ 1.27
0145 + 042	5115	18.8	2	HB89			31.63	≥ 1.39
0146 + 017	3727	18.6	2	HB89			32.05	≥ 1.45
0149 − 397	4021				17.9	HB89	31.85	≥ 1.47
0151 + 045	8333	17.01		VV87	16.91	VV87	30.70	1.58
0157 + 001	5335	15.20		SG83	15.69	VV87	30.55	1.63
0159 + 036	8461	18.2	2	HB89			32.01	1.58
0203 + 151*A*	7614	20.3	2	HB89			31.09	1.74
0203 + 151*B*	7614	18.7		ANDP			31.91	1.68
0203 + 150	7614	19.9	2	HB89			31.30	1.35
0203 + 152	7614	20.3		ANDP			31.17	≥ 1.23
0205 + 024	3978	15.67		VV87	15.41	VV87	30.33	1.33
0205 − 379	5388				17.4	HB89	32.20	1.69
0205 + 150	7614	20.5	2	HB89			31.14	≥ 1.25
0207 − 003	8462	17.7	2	HB89			32.37	≥ 1.55
0207 − 398	4253	17.35		HB89	17.15	HB89	32.50	1.57
0210 + 860	2682				19.	HB89	29.09	≥ 1.17
0210 + 860	562		1		19.	HB89	29.09	1.19
0212 − 009	4470	14.48		VV87	13.81	VV87	29.25	1.38
0212 + 735	7584				19.	HB89	32.11	1.06
0219 + 428	2709	15.83		HB89	15.5	HB89	31.37	1.57
0225 + 310	6705	14.83	13	VV87	13.86	VV87	28.78	1.39
0225 − 014	5118				18.15	HB89	31.73	1.56
0226 − 038	4022	17.03		VV87	16.96	VV87	32.33	1.46
0229 + 131	3257	17.96		VV87	17.71	VV87	32.15	1.38
0229 + 341	5142	20.7		VV87	19.0	VV87	30.40	≥ 1.14
0232 − 090	3143	14.64		VV87	14.28	VV87	29.58	1.31
0234 + 285	3258				18.91	HB89	30.99	1.10

TABLE 6—*Continued*

Name	Seq	B	Note	Ref	V	Ref	Log(ℓ_o) ergs s^{-1}Hz^{-1}	α_{ox} (for $\alpha_x = 0.5$)
0237 − 027	3259				21.0	HB89	29.94	0.84
0237 + 040	7185		15		18.5	HB89	30.82	1.21
0237 − 233	2014	16.78		VV87	16.63	VV87	32.48	1.34
0237 − 233	2705	16.78		VV87	16.63	VV87	32.48	1.37
0237 − 233	2013	16.78	1	VV87	16.63	VV87	32.48	1.37
0238 + 069	3466	15.46		VV87	14.69	VV87	29.02	1.40
0242 − 410	4033				18.1	HB89	31.84	≥ 1.58
0246 + 190	2661	15.86		VV87	14.81	VV87	29.01	1.67
0254 − 404	5389	17.4	2	HB89			32.22	≥ 1.37
0306 + 169	7790	20.3	2	HB89			31.29	≥ 1.19
0307 + 169	1929	19.54	1	VV87	18.75	VV87	29.45	1.40
0307 + 169	1930	19.54		VV87	18.75	VV87	29.45	≥ 1.04
0312 − 770	5401	16.26		VV87	16.10	VV87	30.54	1.32
0333 + 321	3886	18.50	6	HB89			31.54	0.97
0336 − 019	7162	18.96	1	VV87	18.41	VV87	30.75	1.23
0336 − 019	3261	18.96		VV87	18.41	VV87	30.75	1.35
0340 + 048	5116	19.52		VV87	19.17	VV87	29.83	1.13
0400 + 258	3994	18.	1,2	HB89			32.12	≥ 1.47
0400 + 258	7164	18.	2	HB89			32.12	≥ 1.50
0403 − 132	7629	17.37	1	VV87	17.09	VV87	30.87	1.25
0403 − 132	9528	17.37		VV87	17.09	VV87	30.87	1.30
0405 − 123	3907	14.75		VV87	14.57	VV87	31.92	1.45
0405 − 123	3906	14.75	1	VV87	14.57	VV87	31.92	1.48
0409 + 229	8978	19.6		HB89	18.7	HB89	31.04	1.39
0410 + 110	1936	18.96		VV87	18.01	VV87	29.99	1.04
0410 + 110	1935	18.96	1	VV87	18.01	VV87	29.99	1.07
0414 − 060	521	16.24		VV87	15.94	VV87	31.68	1.44
0415 + 379	2669	19.75		VV87	18.05	VV87	28.45	0.85
0418 − 550	1937	13.93	1	VV87	13.17	VV87	27.79	1.54
0418 − 550	1938	13.93		VV87	13.17	VV87	27.79	1.61
0420 − 388	4008	17.70		VV87	16.92	VV87	32.52	1.48
0420 − 388	3721	17.70	1	VV87	16.92	VV87	32.52	1.43
0420 − 014	2015	18.34	1	HB89	17.76	HB89	31.10	1.06
0420 − 014	2016	18.34		HB89	17.76	HB89	31.10	1.13
0424 − 131	4029				17.5	HB89	32.09	1.60
0430 + 052	350	14.40	7	VV87	13.80	VV87	29.69	1.27
0430 + 052	1939	14.40	1,7	VV87	13.80	VV87	29.69	1.36
0430 + 052	351	14.40	7	VV87	13.80	VV87	29.69	1.37
0434 − 104	2640	15.08		VV87	14.51	VV87	29.33	1.34
0438 − 166	3557	18.3	3	ANDP	17.65	VV87	31.82	≥ 1.62
0438 − 166	3558	18.3	1,3	ANDP	17.65	VV87	31.81	≥ 1.70
0438 − 436	4011				18.8	HB89	31.87	1.14
0439 − 164	3557	19.3		ANDP			31.51	1.61
0440 − 003	2018	19.59	1	VV87	19.22	VV87	30.48	≥ 1.14
0440 − 003	2017	19.59		VV87	19.22	VV87	30.48	≥ 1.12
0454 − 234	7165	18.5	2	VV87			30.97	1.28
0458 − 020	7166	18.4	2	HB89			31.94	1.28
0513 − 002	2641	14.30		VV87	13.92	VV87	29.70	1.31
0518 + 165	489	19.37		VV87	18.84	VV87	31.00	1.40
0518 − 458	2670	16.64		VV87	15.77	VV87	28.57	1.04
0528 − 250	4014	18.17		VV87	17.34	VV87	32.15	≥ 1.34
0537 − 441	547	17.00	1	VV87	16.48	VV87	31.48	1.34
0537 − 441	7499	17.00		VV87	16.48	VV87	31.48	1.41
0537 − 286	3720	20.0	2	VV87			31.60	0.93
0538 + 498	483	18.45		VV87	17.80	VV87	30.96	1.51
0605 − 085	7288				18.5	VV87	31.11	1.21
0605 − 085	7287		1		18.5	VV87	31.11	1.22
0605 − 085	10684				18.5	VV87	31.11	1.31
0607 − 157	7289		16		20.2	HB89	29.30	1.04
0637 − 752	5404	16.08		VV87	15.75	VV87	31.67	1.25
0637 − 752	8494	16.08	1	VV87	15.75	VV87	31.67	1.32
0642 + 449	3712	19.57		VV87	18.49	VV87	32.19	1.14
0655 + 542	2621	15.31		VV87	14.61	VV87	29.44	1.39
0710 + 118	490	17.06		VV87	16.60	VV87	31.53	1.58
0730 + 659	5226	19.85		VV87	19.3	VV87	31.16	≥ 1.22
0732 + 588	2607	14.77		VV87	14.37	VV87	29.50	1.51
0736 + 017	2020	16.90		VV87	16.47	VV87	30.12	1.34
0736 + 017	2019	16.90	1	VV87	16.47	VV87	30.12	1.36
0738 + 313	3993	16.21		HB89	16.14	HB89	31.46	1.58
0740 + 380	499	18.05		VV87	17.60	VV87	31.30	1.35
0752 + 393	2622	16.01		VV87	15.50	VV87	28.90	1.29
0758 + 143	8979	20.84		VV87	20.32	VV87	30.23	1.06
0802 + 103	2711	18.65	1	VV87	18.40	VV87	31.62	≥ 1.32
0802 + 103	10181	18.65		VV87	18.40	VV87	31.62	1.42
0804 + 761	5336	15.15		SG83			30.14	1.28
0805 + 046	2021	18.53	1	VV87	18.16	VV87	32.09	1.46
0805 + 046	2022	18.53		VV87	18.16	VV87	32.09	≥ 1.37
0805 + 047	2022	20.1		SW80			31.12	≥ 1.18
0809 + 483	493	18.36		VV87	17.79	VV87	30.93	1.44
0824 + 110	5125				18.5	HB89	31.72	1.34
0827 + 243	3264	17.62		HB89	17.26	HB89	31.28	1.41
0833 + 654	501	18.76		VV87	18.21	VV87	31.02	1.23
0834 − 201	7297				19.4	HB89	31.70	1.03
0834 − 201	7296		1		19.4	HB89	31.70	1.07
0834 + 654	6964	19.2		ANDP			31.55	1.69
0835 + 580	503	18.11		HB89	17.62	HB89	31.63	1.43
0835 + 583	503	19.1		ANDP			31.97	≥ 1.43
0836 + 654	6964	19.0	2	HB89			31.49	≥ 1.46
0837 − 120	8933	15.78		VV87	15.76	VV87	30.59	1.24
0838 + 133*A*	486	18.58		VV87	18.15	VV87	30.58	1.20
0838 + 770	5363	16.30		SG83			29.91	1.48
0838 + 131	486	19.1	2	HB89			31.43	≥ 1.34
0838 + 133*B*	486	19.0	2	HB89			31.41	≥ 1.45
0843 + 161	5364	18.00	8	HB89	18.00	HB89	31.02	≥ 1.47
0843 + 349	5337	18.5	2	HB89			31.44	≥ 1.38
0844 + 349	5337	14.00		SG83			30.21	1.64
0848 + 155	2025	18.02	1	VV87	17.93	VV87	31.91	≥ 1.32
0848 + 155	2026	18.02		VV87	17.93	VV87	31.91	1.56
0848 + 163	3979	16.9	2	HB89	17.1	HB89	32.30	≥ 1.58
0850 + 140	500	17.76		VV87	17.42	VV87	31.39	1.42
0855 + 188	2027	17.3	1,2	HB89	17.5	HB89	31.47	≥ 1.59
0855 + 188	2028	17.3	2	HB89	17.5	HB89	31.47	≥ 1.68
0859 − 140	3903	16.79		VV87	16.59	VV87	32.03	1.41
0859 − 140	3904	16.79		VV87	16.59	VV87	32.03	1.43
0859 − 140	3905	16.79	1	VV87	16.59	VV87	32.03	1.56
0903 + 169	481	18.48		VV87	18.27	VV87	30.11	1.13
0906 + 430	2685	18.80		VV87	18.30	VV87	30.43	1.17
0906 + 015	2030	18.26	1	VV87	17.79	VV87	31.09	1.23

TABLE 6—*Continued*

Name	Seq	B	Note	Ref	V	Ref	Log(ℓ_o) ergs s^{-1} Hz^{-1}	α_{ox} (for $\alpha_x = 0.5$)
0906 + 015	2029	18.26		VV87	17.79	VV87	31.09	1.24
0906 + 484	3962	16.46		VV87	16.06	VV87	29.75	1.68
0910 + 403	1941				19.0	HB89	30.53	1.27
0915 + 165	3467	14.88	4	VV87	14.23	VV87	29.15	1.35
0923 + 201	5365	16.04		SG83			30.38	1.54
0923 + 129	6708	14.93		SG83			29.14	1.36
0923 + 392	554	17.92		VV87	17.86	VV87	30.82	1.10
0927 + 217	5229	19.32		VV87	19.0	VV87	31.39	≥ 1.20
0934 + 013	2642	16.29		SG83	15.98	VV87	29.10	1.25
0937 + 391	8409				18.	HB89	30.53	1.26
0938 + 117*A*	530				19.9	HB89	31.15	≥ 1.35
0938 + 120*A*	530				19.5	HB89	31.18	≥ 1.31
0938 + 120*B*	530				20.2	HB89	31.08	≥ 1.10
0938 + 117*B*	530				18.6	HB89	31.64	≥ 1.38
0939 + 121	530				19.0	HB89	31.25	≥ 1.33
0939 + 117	530				19.8	HB89	31.00	≥ 1.20
0945 + 076	1943	17.31		VV87	16.33	VV87	29.14	1.40
0953 + 254	3265	17.46		VV87	17.21	VV87	31.02	1.39
0955 + 326	2712	15.88		VV87	15.78	VV87	31.37	≥ 1.65
0958 + 290	2687	18.21		VV87	17.27	VV87	29.46	1.58
0959 − 443	5405				17.	VV87	31.49	1.41
1001 + 054	3963	16.13		SG83	16.23	VV87	30.16	≥ 1.76
1004 − 217	5406	17.05		VV87	16.89	VV87	30.54	≥ 1.48
1004 + 130	563	15.93		SG83	15.15	VV87	30.64	≥ 1.84
1008 + 133	5367	16.24		SG83	16.29	VV87	32.15	≥ 1.72
1011 + 250	2031	16.59		VV87	16.57	VV87	32.22	1.43
1011 − 282	5407	16.80		VV87	16.88	VV87	30.40	1.36
1011 − 040	8432	15.49		SG83			29.54	≥ 1.82
1017 + 203	913	20.2		ANDP			31.08	≥ 1.18
1020 − 103	3964	16.25		VV87	16.11	VV87	30.36	1.32
1020 + 201	1945	12.61	1	VV87	11.79	VV87	28.07	1.86
1020 + 201	1946	12.61		VV87	11.79	VV87	28.07	1.60
1028 + 313	4256	17.07		VV87	16.71	VV87	29.87	1.10
1028 + 290	2644	16.69		VV87	16.18	VV87	29.06	1.14
1038 + 064	5126	16.86		VV87	16.70	VV87	31.87	1.25
1040 + 123	497	17.75		VV87	17.29	VV87	31.30	1.31
1048 − 090	5369	16.00		SG83	16.79	VV87	30.92	1.34
1050 − 184	5408	16.99		VV87	17.06	VV87	30.98	1.54
1054 − 034	4025				18.	HB89	31.86	≥ 1.49
1058 + 726	5230	17.4	9	VV87	17.9	VV87	30.44	1.38
1100 + 772	478	15.86		SG83	15.72	VV87	30.89	1.32
1100 − 264	4002	16.08		VV87	16.02	VV87	32.84	1.71
1103 + 728	1948	13.12		VV87	12.40	VV87	28.82	1.95
1103 + 728	1947	13.12	1	VV87	12.40	VV87	28.82	1.75
1111 + 408	488	18.13		VV87	17.98	VV87	30.79	1.19
1113 + 182	3927	19.5	2	HB89			31.24	≥ 1.37
1114 + 183	3927	19.7	2	HB89			31.16	≥ 1.27
1115 + 080	5355	15.84		SG83			32.61	1.62
1116 + 215	5339	15.17		SG83			30.63	1.39
1119 + 120	8428	14.65		SG83	14.93	VV87	29.69	1.51
1122 + 546	2646	16.00	4	VV87	15.18	VV87	28.36	1.33
1123 + 434	5231	18.98		VV87	18.4	VV87	31.52	≥ 1.43
1126 − 041	8429	15.43		SG83	14.61	VV87	29.62	1.92
1127 − 145	7301	17.17		VV87	16.90	VV87	31.70	1.34

Name	Seq	B	Note	Ref	V	Ref	Log(ℓ_o) ergs s^{-1} Hz^{-1}	α_{ox} (for $\alpha_x = 0.5$)
1127 − 145	7300	17.17	1	VV87	16.90	VV87	31.70	1.35
1128 + 315	3965	16.6	2	HB89			30.51	1.29
1136 − 374	7209	13.99		VV87	13.43	VV87	28.68	1.37
1137 + 660	485	16.50	1	VV87	16.32	VV87	31.31	1.30
1137 + 660	5421	16.50		VV87	16.32	VV87	31.31	1.31
1146 − 037	5411	16.96		VV87	16.90	VV87	30.52	1.16
1155 + 557	4548	13.11		VV87	12.10	VV87	28.12	1.70
1157 + 014	5117	18.23		VV87	17.74	VV87	31.80	≥ 1.45
1157 + 532	5232	19.99		VV87	19.7	VV87	31.10	1.29
1202 + 281	4258	15.02		SG83	15.60	VV87	30.63	1.38
1206 − 399	5412	17.49		VV87	16.98	VV87	31.49	1.45
1207 + 398	353	19.65		VV87	19.4	VV87	31.35	≥ 1.40
1208 + 396	352·	12.56		VV87	11.85	VV87	28.09	1.74
1208 + 322	3966	15.8		HB89	16.	HB89	31.10	1.59
1208 + 398	353	19.30		ANDP			31.06	≥ 1.50
1209 + 107*A*	4055	17.71		HB89	17.76	HB89	32.09	1.81
1209 + 107*B*	4055	20.5	2	HB89			30.84	≥ 1.07
1209 + 109	4055	21.0	2	HB89			30.76	≥ 0.99
1211 + 143	5341	14.63		SG83			30.19	1.16
1214 + 074	6711	14.70		VV87	13.60	VV87	27.97	1.56
1215 + 300	6712	14.0	2	VV87			28.72	1.39
1216 + 069	5374	15.68		SG83			31.01	1.45
1217 + 023	9610	16.51		VV87	16.53	VV87	30.38	1.18
1217 + 023	5423	16.51		VV87	16.53	VV87	30.38	1.18
1217 + 023	9611	16.51		VV87	16.53	VV87	30.38	1.18
1217 + 023	9613	16.51		VV87	16.53	VV87	30.38	1.18
1217 + 023	9612	16.51		VV87	16.53	VV87	30.38	1.19
1217 + 023	532	16.51	1	VV87	16.53	VV87	30.38	1.12
1218 + 339	3239	18.80		HB89	18.61	HB89	31.28	1.23
1219 + 755	5424	15.64		VV87	15.24	VV87	29.62	1.17
1219 + 044	3267	17.88		VV87	17.98	VV87	31.18	1.18
1221 + 758	5233	19.06		VV87	18.80	VV87	31.25	≥ 1.33
1222 + 226	4056	18.0	2	VV87			31.98	≥ 1.27
1222 + 228*B*	4056	21.8	2	HB89			30.30	≥ 0.80
1222.+ 228*A*	4056	15.49		SG83			32.93	1.76
1223 + 252	565	17.35		VV87	17.12	VV87	30.14	1.37
1223 + 227	4056	20.5	2	HB89			30.86	≥ 1.06
1225 + 317	542	16.15		VV87	15.87	VV87	32.73	1.53
1226 + 023	9310	12.86		SG83	12.80	VV87	31.46	1.25
1226 + 023	2037	12.86	1	SG83	12.80	VV87	31.46	1.31
1226 + 023	5692	12.86		SG83	12.80	VV87	31.46	1.34
1228 + 078	4052	17.41		VV87	17.47	VV87	32.02	≥ 1.53
1228 + 076	4052	19.6		SW80			31.18	≥ 1.11
1228 + 077	4052	17.58		HB89	17.59	HB89	32.20	≥ 1.46
1229 + 078*A*	4052	20.7		SW80			30.78	1.10
1229 + 116	279	19.7	2	HB89			31.09	≥ 1.34
1229 − 021	5127	17.23		VV87	16.75	VV87	31.51	1.49
1229 + 204	3967	14.65		SG83	15.30	VV87	29.93	1.44
1229 + 078*B*	4052	21.3	2	HB89			30.27	≥ 0.81
1229 + 077	4052	22.10	10	HB89			30.58	≥ 0.71
1230 + 120	279	19.1	2	HB89			31.40	1.22
1235 + 264	9974	20.2	2	HB89			31.20	≥ 1.28
1237 − 101	4036	18.08		VV87	18.11	VV87	30.85	1.35
1241 + 166	3241	19.23		HB89	19.	HB89	30.07	1.25

TABLE 6—*Continued*

Name	Seq	B	Note	Ref	V	Ref	Log(ℓ_o) ergs s^{-1}Hz^{-1}	α_{ox} (for $\alpha_x = 0.5$)
1241 + 176	5343	15.38		SG83			32.46	1.78
1243 + 346	529	20.0	2	HB89			31.18	≥ 1.28
1244 + 026	8433	16.15		SG83			29.07	1.16
1244 + 345	529	20.0	2	HB89			31.08	≥ 1.22
1244 + 346*A*	529	20.0	2	HB89			31.04	1.63
1244 + 346*B*	529	19.5	2	HB89			31.39	≥ 1.19
1244 + 347	529	18.	2	HB89			32.07	≥ 1.54
1245 + 345	529	18.23		VV87	17.94	VV87	31.85	≥ 1.47
1245 + 343	529	20.8		SW80			30.66	≥ 1.10
1245 + 342	529	20.5		SW80			30.94	≥ 1.19
1246 + 344	529	19.	2	HB89			31.59	≥ 1.42
1246 + 377	3980	17.29		HB89	16.98	HB89	31.67	≥ 1.65
1246 + 346	529	18.29		VV87	17.83	VV87	29.78	1.31
1246 − 057	4004	17.09		HB89	16.73	HB89	32.36	≥ 1.58
1250 + 568	479	17.76		VV87	17.93	VV87	30.15	1.34
1252 + 119	4037	16.99		VV87	16.64	VV87	31.43	1.44
1253 + 359	5390	19.71		VV87	19.60	VV87	31.27	≥ 1.43
1253 − 055	544	18.01	1	VV87	17.75	VV87	30.52	0.98
1253 − 055	4645	18.01		VV87	17.75	VV87	30.52	1.03
1253 + 358	5390	19.17		VV87	19.03	VV87	30.38	≥ 1.54
1253 + 361	5390	19.71		VV87	19.50	VV87	30.09	≥ 1.44
1253 + 360	5390	19.67		VV87	19.51	VV87	30.82	≥ 1.46
1254 + 571	8957	14.68		VV87	13.84	VV87	29.52	≥ 1.92
1254 + 047	5375	15.84		SG83			32.05	≥ 1.70
1254 + 356*A*	5390	18.92		HB89	18.60	HB89	31.11	1.36
1254 + 360	5390	19.80		VV87	19.47	VV87	30.86	1.47
1255 + 359	5390	18.61		HB89	18.56	HB89	30.27	1.32
1256 + 357	5390	18.36		HB89	17.96	HB89	31.67	1.36
1256 + 357	5391	18.36	1	HB89	17.96	HB89	31.67	1.37
1256 + 355	5391	19.75		VV87	19.82	VV87	31.04	≥ 1.35
1257 + 361	5391	19.67		VV87	19.51	VV87	30.29	≥ 1.44
1257 + 359	5391	19.91		VV87	19.27	VV87	29.29	≥ 1.46
1257 + 356	5391	19.79		VV87	19.21	VV87	31.05	≥ 1.45
1258 + 287	2041	17.3	17	HB89	17.0	HB89	30.99	≥ 1.53
1258 + 286*A*	2041	17.82		HB89	17.75	HB89	31.92	≥ 1.44
1258 + 356	5392	18.37	18	HB89	18.48	HB89	29.91	1.34
1258 + 343	5717	17.95		VV87	17.66	VV87	30.92	≥ 1.53
1258 + 286*B*	2041	19.	2	HB89			31.09	≥ 1.25
1258 + 342	5717	20.10	10	HB89			31.02	1.24
1259 + 357	5392	19.87		VV87	19.43	VV87	31.18	≥ 1.29
1259 + 344*A*	5717	17.92		HB89	17.87	HB89	31.91	≥ 1.43
1259 + 361	5392	19.63		HB89	19.27	HB89	30.12	1.32
1259 + 359	5392	19.33	1	VV87	18.72	VV87	30.84	≥ 1.42
1259 + 359	5391	19.33		VV87	18.72	VV87	30.84	1.45
1259 + 344*B*	5717	19.1	2	HB89			31.80	≥ 1.28
1259 + 360	5392	19.39		VV87	19.21	VV87	31.19	≥ 1.42
1300 + 360	5392	19.78		HB89	19.73	HB89	30.05	≥ 1.43
1300 − 243	4034	17.89		VV87	17.85	VV87	32.20	≥ 1.53
1301 + 359	5392	19.80		VV87	19.50	VV87	30.84	≥ 1.46
1301 + 361	5392	19.62	19	HB89	19.57	HB89	31.07	1.72
1301 + 358*A*	5392	19.09	20	HB89	18.65	HB89	29.63	1.06
1301 + 358*B*	5392	19.76		VV87	19.27	VV87	30.36	≥ 1.47
1301 + 356	5392	19.89		VV87	19.29	HB89	31.17	1.27
1302 + 358	5392	19.19		VV87	18.77	VV87	31.42	≥ 1.45
1302 + 357	5392	18.79	20	HB89	18.39	HB89	31.10	≥ 1.59
1302 − 102	3968	15.09		SG83	15.23	VV87	31.12	1.45
1303 + 355	5392	19.79		VV87	19.39	VV87	30.42	≥ 1.32
1303 + 357*A*	5392	19.47		VV87	19.35	VV87	31.06	≥ 1.37
1303 + 362	5392	19.55		VV87	19.40	VV87	30.85	≥ 1.40
1303 + 358	5392	19.58		VV87	19.36	VV87	29.56	≥ 1.33
1303 + 360	5392	19.56	2	HB89	19.42	HB89	31.43	≥ 1.41
1304 + 310	2046	18.7		VV87	18.4	VV87	30.02	≥ 1.29
1304 + 346	2608	17.38		VV87	16.97	VV87	29.81	1.18
1307 + 085	5344	15.28		SG83	15.32	VV87	30.47	1.34
1309 − 056	4260	17.85		VV87	17.44	VV87	32.05	1.58
1310 − 108	8434	15.55		SG83			29.04	1.32
1311 + 362	5128	18.47		VV87	18.41	VV87	31.76	≥ 1.50
1316 + 179	5546	19.20		ANDP			30.95	1.45
1318 + 290*A*	525	17.46		VV87	17.27	VV87	31.93	≥ 1.49
1321 + 294	3982	16.91		VV87	16.83	VV87	31.56	≥ 1.72
1328 + 254	498	18.31		VV87	17.67	VV87	31.09	1.32
1328 + 307	491	17.51		VV87	17.25	VV87	31.19	1.46
1330 + 022	1956	19.19		VV87	18.27	VV87	29.20	0.81
1331 + 170	4023	16.84		VV87	16.71	VV87	32.41	1.61
1332 + 552	3969				16.	VV87	32.05	1.61
1333 + 176	5376	15.64		SG83			31.50	1.76
1333 + 286	4016	18.93		HB89	18.74	HB89	31.47	≥ 1.35
1335 − 127	7168	18.5	2	VV87			30.39	0.93
1340 + 606	496	18.51		VV87	18.12	VV87	30.92	1.51
1346 − 036	4261	17.33		VV87	17.27	VV87	32.28	≥ 1.58
1351 + 640	520	15.42		SG83	14.84	VV87	29.91	≥ 1.76
1351 + 695	10596	15.15		VV87	14.46	VV87	29.09	1.14
1352 + 183	5377	15.71		SG83			30.28	1.35
1352 + 011	5378	16.03		SG83			32.06	2.00
1354 − 152	7169	18.5	2	VV87			31.79	1.27
1355 − 416	3970	15.76		VV87	15.86	VV87	31.01	1.35
1358 + 043	8334	16.39		HB89	16.31	HB89	30.96	1.50
1402 − 012	5396	18.37		VV87	18.16	VV87	31.98	1.56
1402 + 044	3717	18.5	2	HB89			32.25	1.71
1402 + 261	5379	15.57		SG83			30.40	1.48
1404 + 226	5380	15.82		SG83			29.84	1.73
1407 + 265	5381	15.73		SG83			32.01	1.36
1407 + 524	3547	20.1		ANDP			31.12	≥ 1.18
1408 + 523	3547	20.2		ANDP			31.10	≥ 1.15
1414 + 091	10437	18.4	2	HB89			31.85	≥ 1.47
1414 + 252	356	19.7	2	HB89			31.11	≥ 1.28
1415 + 254	356	19.3	2	HB89			31.47	≥ 1.41
1416 − 129	10387	15.40		SG83			30.39	1.31
1416 − 129	10389	15.40		SG83			30.39	1.31
1416 − 129	10388	15.40		SG83			30.39	1.31
1416 − 129	10373	15.40		SG83			30.39	1.32
1416 − 129	10386	15.40		SG83			30.39	1.34
1416 − 129	5347	15.40	1	SG83			30.39	1.38
1416 + 067	502	17.12		VV87	16.79	VV87	31.89	1.43
1417 − 192	1960	17.60		VV87	16.66	VV87	29.45	1.08
1417 − 192	1959	17.60	1	VV87	16.66	VV87	29.45	1.10
1422 + 202	4396	18.09		VV87	17.65	VV87	30.99	1.37
1422 + 202	7306	18.09	1	VV87	17.65	VV87	30.99	1.39

TABLE 6—*Continued*

Name	Seq	B	Note	Ref	V	Ref	Log(ℓ_o) ergs s^{-1}Hz^{-1}	α_{ox} (for $\alpha_x = 0.5$)
1425 + 267	3971	15.67		SG83	15.68	VV87	31.09	1.69
1426 + 015	5348	15.05	1	SG83	14.87	VV87	30.04	1.21
1426 + 015	10393	15.05		SG83	14.87	VV87	30.04	1.29
1426 + 015	10391	15.05		SG83	14.87	VV87	30.04	1.29
1426 + 015	10392	15.05		SG83	14.87	VV87	30.04	1.29
1426 + 015	10390	15.05		SG83	14.87	VV87	30.04	1.30
1426 + 015	10374	15.05		SG83	14.87	VV87	30.04	1.30
1427 + 109	8468	18.5	2	VV87			31.51	1.34
1433 + 488	2625	16.22		VV87	15.25	VV87	28.90	1.28
1435 + 638	10421				15.0	VV87	33.01	1.80
1435 − 067	5382	15.54		SG83			30.29	1.39
1441 + 522	6317	20.05		VV87	19.97	VV87	30.80	0.83
1442 + 101	2050	18.58		VV87	17.78	VV87	32.39	1.27
1442 + 101	2051	18.58	1	VV87	17.78	VV87	32.39	1.31
1443 + 101	2050	20.4	2	VV87			30.21	≥ 1.11
1448 − 232	5413	17.13		VV87	16.96	VV87	32.52	≥ 1.61
1451 − 375	3972	16.78		VV87	16.69	VV87	30.63	1.33
1458 + 718	494	17.24	1	VV87	16.78	VV87	31.37	1.33
1458 + 718	2690	17.24		VV87	16.78	VV87	31.37	1.34
1501 + 106	6713	15.09		SG83	14.27	VV87	29.24	1.12
1502 + 106	6713	18.97		HB89	18.56	HB89	31.41	≥ 1.12
1502 + 106	7170	18.97	1	HB89	18.56	HB89	31.41	1.28
1504 − 166	7307		16		18.2	HB89	30.90	1.14
1505 + 218	4060	18.98		HB89	19.18	HB89	31.61	≥ 1.27
1510 − 089	2053	16.69		HB89	16.52	HB89	30.83	1.26
1510 − 089	2052	16.69	1	HB89	16.52	HB89	30.83	1.29
1512 + 370	3973	15.48		HB89	15.5	HB89	31.19	1.46
1517 + 239	4263	16.2		HB89	16.4	HB89	32.60	≥ 1.60
1518 + 202	10407	19.9	2	HB89			31.24	≥ 1.38
1519 + 226	5383	16.09		SG83			30.07	1.44
1522 + 155	10086				17.5	HB89	30.75	1.50
1523 + 214	3983	18.17		VV87	17.96	VV87	31.84	≥ 1.32
1524 − 136	3911		1,15		21.	HB89	30.54	≥ 0.94
1524 − 136	3910		15		21.	HB89	30.54	0.92
1525 + 227	3974	16.79	1	VV87	16.72	VV87	30.36	1.56
1525 + 227	10368	16.79		VV87	16.72	VV87	30.36	1.84
1531 + 359	2649				17.8	VV87	29.31	≥ 1.47
1534 + 580	2614	15.56		VV87	14.96	VV87	28.86	1.14
1545 + 210	2055	16.05		SG83	16.69	VV87	30.70	1.26
1545 + 210	2054	16.05	1	SG83	16.69	VV87	30.70	1.25
1546 + 027	5397	17.96		VV87	17.79	VV87	30.40	1.14
1548 + 116	524	21.5	1	SW80			30.05	≥ 0.79
1548 + 116	2713	21.5		SW80			30.05	≥ 0.90
1548 + 114*A*	524	17.47	1	VV87	17.23	VV87	30.57	1.18
1548 + 114*A*	2713	17.47		VV87	17.23	VV87	30.57	1.25
1552 + 085	5384	16.02		SG83			29.96	1.86
1552 + 193	2615	16.42	4	VV87	15.72	VV87	28.71	1.25
1555 + 001	7172				19.3	HB89	31.21	≥ 1.16
1556 + 335	4264	17.49		VV87	17.	VV87	31.87	1.56
1559 + 088	10438	16.7		H92			32.53	1.56
1601 + 182	3713				19.5	HB89	31.66	≥ 1.34
1601 + 184*A*	3713	20.2	2	HB89			31.13	≥ 1.27
1601 + 184*B*	3713	19.5	2	HB89			31.28	≥ 1.47
1606 + 289	5719				19.	HB89	31.38	1.51

Name	Seq	B	Note	Ref	V	Ref	Log(ℓ_o) ergs s^{-1}Hz^{-1}	α_{ox} (for $\alpha_x = 0.5$)
1611 + 343	7310	17.5	1,2	VV87			31.72	1.47
1611 + 343	7309	17.5	2	VV87			31.72	1.50
1612 + 266	2056	17.3	1,2	HB89			30.56	≥ 1.48
1612 + 266	2057	17.3	2	HB89			30.56	1.35
1612 + 261	2057	16.00		SG83	15.41	VV87	30.07	1.26
1612 + 261	2056	16.00	1	SG83	15.41	VV87	30.07	1.29
1613 + 658	10375	15.37		SG83	15.23	VV87	30.27	1.30
1613 + 658	5385	15.37	1	SG83	15.23	VV87	30.27	1.41
1613 + 658	10397	15.37		SG83	15.23	VV87	30.27	1.28
1613 + 658	10394	15.37		SG83	15.23	VV87	30.27	1.29
1613 + 658	10396	15.37		SG83	15.23	VV87	30.27	1.30
1613 + 658	10395	15.37		SG83	15.23	VV87	30.27	1.30
1613 + 055	3716	19.0		ANDP			31.79	≥ 1.44
1614 + 051	7517	19.5	1,2	VV87			31.92	1.31
1614 + 051	3716	19.5	2	VV87			31.92	1.35
1615 + 324	6319				16.	VV87	30.00	1.54
1617 + 175	484	15.53	3	SG83	15.46	HB89	30.14	1.49
1617 + 175	5350	15.53	1,3	SG83	15.46	HB89	30.15	1.52
1618 + 177	484	16.53	1,3	VV87	16.41	VV87	31.19	1.49
1618 + 177	5350	16.53	3	VV87	16.41	VV87	31.20	1.53
1622 + 268	4053	21.1		SW80			30.73	≥ 0.95
1622 + 268	6679	21.1	1	SW80			30.73	1.04
1622 + 269	6679	20.4		SW80			31.50	≥ 1.35
1622 + 238	495	17.91		VV87	17.47	VV87	31.17	1.50
1623 + 271	4053	19.6	3	SW80			30.92	≥ 1.22
1623 + 271	6679	19.6	1,3	SW80			30.93	1.49
1623 + 269*A*	5720				17.5	HB89	30.97	1.49
1623 + 269*A*	4053				17.5	HB89	30.97	1.56
1623 + 269*A*	6679		1		17.5	HB89	30.97	1.51
1623 + 270	4053	21.5		SW80			30.61	≥ 0.97
1623 + 270	6679	21.5	1	SW80			30.61	≥ 1.16
1623 + 269*B*	4053	20.8		SW80			30.74	≥ 1.12
1623 + 268*A*	4053	19.1		SW80			31.66	≥ 1.21
1623 + 268*A*	6679	19.1	1	SW80			31.66	≥ 1.54
1623 + 268*B*	6679	17.8	1	SW80			32.19	1.83
1623 + 268*B*	4053	17.8		SW80			32.19	≥ 1.43
1623 + 268*C*	4053	19.40	2	VV87			31.59	≥ 1.23
1623 + 268*C*	6679	19.40	1,2	VV87			31.59	≥ 1.48
1624 + 269	4053	19.6	3	SW80			31.34	≥ 1.12
1624 + 269	6679	19.6	1,3	SW80			31.35	≥ 1.49
1631 + 627	4054	21.5		SW80			30.48	≥ 0.74
1632 + 391	2058				18.	HB89	31.10	≥ 1.34
1633 + 630	4054	18.0	2	VV87			31.95	≥ 1.24
1633 + 382	2058				18.	HB89	31.65	1.27
1634 + 628	4054	21.05		HB89	20.6	VV87	29.93	≥ 0.73
1634 + 269	8349	18.01		VV87	17.75	VV87	30.59	1.37
1634 + 706	5351	14.90		SG83			32.76	1.79
1635 + 119	567	16.98	1	VV87	16.50	VV87	29.79	1.27
1635 + 119	5425	16.98		VV87	16.50	VV87	29.79	1.33
1635 + 630	4054	20.0	2	VV87			31.05	≥ 1.02
1641 + 399*A*	2060	18.7	1	VV87	19.3	VV87	30.35	0.90
1641 + 399*A*	5694	18.7		VV87	19.3	VV87	30.35	0.88
1641 + 399*A*	2061	18.7		VV87	19.3	VV87	30.35	0.89
1641 + 399*B*	2061	20.9	1,2	HB89			30.74	0.67

TABLE 6—*Continued*

Name	Seq	B	Note	Ref	V	Ref	Log(ℓ_o) ergs s^{-1}Hz^{-1}	α_{ox} (for $\alpha_x = 0.5$)
1641 + 399*B*	5694	20.9	2	HB89			30.74	0.70
1655 + 077	3997	20.	21	HB89			29.98	0.93
1656 + 053	8469	17.00		VV87	16.54	VV87	31.54	1.26
1659 + 294	2628	16.63		VV87	15.78	VV87	28.67	1.26
1703 + 608	510	17.5	2	VV87			32.09	1.47
1704 + 608	510	15.90		SG83	15.28	VV87	31.02	1.52
1704 + 608	2062	15.90	1	SG83	15.28	VV87	31.02	1.56
1704 + 608	5716	15.90		SG83	15.28	VV87	31.02	1.61
1704 + 608	2063	15.90		SG83	15.28	VV87	31.02	1.61
1704 + 608	4208	15.90		SG83	15.28	VV87	31.02	1.66
1704 + 608	5688	15.90		SG83	15.28	VV87	31.02	1.62
1720 + 246	420	16.85		VV87	16.38	VV87	30.02	1.57
1720 + 309	2629	15.42		VV87	14.68	VV87	29.28	1.31
1721 + 343	3975				16.5	HB89	30.09	0.98
1725 + 044	4230	17.43		VV87	16.99	VV87	30.32	1.41
1730 − 130	3888	18.5	2	HB89			31.52	1.39
1730 − 130	7173	18.5	1,2	HB89			31.52	1.40
1730 − 130	10080	18.5	2	HB89			31.52	1.44
1739 + 522	7174	18.7	11	VV87			31.24	1.21
1746 + 201	7611	19.0	2	HB89			31.61	≥ 1.51
1748 + 687	2630	16.33		VV87	15.45	VV87	29.15	1.61
1756 + 237	5129				18.0	VV87	31.74	1.38
1757 + 236	10754	18.9		ANDP			31.73	≥ 1.44
1757 + 236	10755	18.9	1	ANDP			31.73	1.49
1803 + 676	4265	16.04		VV87	15.78	VV87	30.11	1.41
1821 + 107	10422	17.66		VV87	17.27	VV87	31.97	1.60
1828 + 487	487	17.05		VV87	16.81	VV87	31.25	1.25
1833 + 326	2650	16.50		VV87	15.39	VV87	29.27	1.07
1845 + 797	5690	16.06		VV87	15.38	VV87	29.32	1.25
1936 − 155	3987				19.4	VV87	31.14	1.23
1939 − 104	354	15.33		VV87	14.21	VV87	27.64	1.61
1958 − 179	7177	18.5	12	HB89	17.46	HB89	30.67	1.22
2037 − 012	8415	19.4		ANDP			31.52	≥ 1.34
2037 + 511	2179				20.	HB89	32.22	≥ 1.35
2037 − 005	8415	20.2		ANDP			29.87	1.11
2038 − 011	8415	20.4	2	HB89			31.13	≥ 1.25
2112 + 059*A*	8437	15.52		SG83			31.50	≥ 1.79
2112 + 059*B*	8437	18.9	2	HB89			30.00	≥ 1.27
2120 + 168	504	18.18		VV87	17.96	VV87	31.83	≥ 1.54
2121 + 053	2064				17.50	VV87	31.97	1.24
2125 − 148	528	19.9	2	HB89			31.30	≥ 1.30
2126 − 150*A*	528	19.3	2	HB89			31.53	1.42
2126 − 158	5280				17.3	HB89	32.56	1.08
2126 − 150*B*	528	20.3	2	HB89			31.11	≥ 1.28
2128 − 123	8413	15.63	4	HB89	15.46	HB89	31.47	1.46
2130 + 099	1971	14.62	1	SG83	14.64	VV87	29.96	1.40
2130 + 099	1972	14.62		SG83	14.64	VV87	29.96	1.52
2134 + 004	543	17.09		HB89	16.79	HB89	32.27	1.46
2135 − 147	531	15.63	1	VV87	15.53	VV87	30.62	1.30
2135 − 147	5426	15.63		VV87	15.53	VV87	30.62	1.34
2141 + 175	9667	15.91	1	VV87	15.73	VV87	30.67	1.57
2141 + 175	9672	15.91		VV87	15.73	VV87	30.67	1.57
2141 + 175	9668	15.91		VV87	15.73	VV87	30.67	1.59
2141 + 175	4647	15.91		VV87	15.73	VV87	30.67	1.59
2141 + 037	3958	20.2	2	HB89			30.98	≥ 1.26
2143 + 040	3958	19.2	2	HB89			31.50	≥ 1.91
2143 − 156	4000	17.70		VV87	17.27	VV87	30.96	1.31
2145 + 067	5130	16.85		VV87	16.47	VV87	31.68	1.26
2155 + 034	3959	19.0	2	HB89			31.51	≥ 1.45
2201 + 315	3976	15.56	1	HB89	15.47	HB89	31.15	1.43
2201 + 315	7182	15.56		HB89	15.47	HB89	31.15	1.47
2201 + 171	7483	18.8	2	HB89	18.3	HB89	30.99	1.27
2204 − 408	3722	18.76		HB89	17.57	HB89	32.14	1.97
2206 − 474	6714	13.09		VV87	12.08	VV87	28.48	1.29
2209 + 184	8438	15.86		SG83			29.59	1.26
2214 + 139	2616	14.98		SG83			29.91	1.85
2216 − 038	2068	16.93		VV87	16.38	VV87	31.58	1.41
2221 − 023	1973	16.93		VV87	15.77	VV87	28.99	1.58
2223 − 052	519	18.83	1	VV87	18.39	VV87	31.27	0.87
2223 − 052	8022	18.83		VV87	18.39	VV87	31.27	0.94
2223 − 052	4646	18.83		VV87	18.39	VV87	31.27	0.80
2223 + 210	5131				18.0	VV87	31.79	1.04
2225 − 055	4017	18.45		VV87	17.70	VV87	31.78	≥ 1.22
2230 + 114	7184	17.75		VV87	17.33	VV87	31.39	1.07
2230 + 114	4042	17.75	1	VV87	17.33	VV87	31.39	1.16
2232 + 134	5386	19.2	2	HB89			30.77	≥ 1.18
2233 + 134	5386	16.04		SG83			30.91	1.60
2233 + 136	5386	20.0	2	HB89			31.72	≥ 1.15
2234 + 282	10087				19.	HB89	30.44	1.22
2251 + 158	3908	16.57	1	VV87	16.10	VV87	31.69	1.27
2251 + 158	492	16.57		VV87	16.10	VV87	31.69	1.30
2251 + 113	2072	16.25		SG83	15.82	VV87	30.83	≥ 1.62
2251 + 113	2073	16.25	1	SG83	15.82	VV87	30.83	≥ 1.70
2253 + 417	5144	19.1	12	HB89			31.41	1.30
2254 + 024	4024				18.	HB89	31.89	1.47
2255 + 416	5144				22.0	SIMBA	29.55	0.81
2300 + 086	1978	13.42		VV87	13.04	VV87	29.31	1.39
2300 + 086	1977	13.42	1	VV87	13.04	VV87	29.31	1.41
2301 + 223	2617	15.60		VV87	14.78	VV87	29.22	1.63
2305 + 187	3977	17.63		VV87	17.50	VV87	30.27	1.22
2316 − 000	6719	14.73		VV87	14.01	VV87	29.20	1.48
2344 + 092	538	16.08		SG83	15.97	VV87	31.61	1.51
2345 − 167	2077	17.5	1,2	HB89			30.79	1.35
2345 − 167	2076	17.5	2	HB89			30.79	1.38
2345 + 184	1982				20.6	VV87	29.55	1.14
2345 + 184	1981		1		20.6	VV87	29.55	0.96
2348 − 014	5387	19.8	2	HB89			31.20	≥ 1.13
2349 − 014	5387	15.45		VV87	15.33	VV87	30.51	1.31
2349 − 015	5387	21.4	2	HB89			30.62	≥ 1.19
2353 + 072*A*	3167	15.95		VV87	15.15	VV87	29.07	1.62
2353 + 072*B*	2651				19.5	VV87	29.42	1.16
2357 − 348	4268	17.59		VV87	17.78	VV87	32.11	1.56

NOTES.—(1) Data used in subsequent analysis when multiple X-ray observations exist. (2) Magnitude quoted as *V* in HB89 or VV87, but taken as *B* in this paper on basis of original references. (3) Two observations of same quasar in two different X-ray fields lead to slightly different N_H's and thereby slightly different optical extinctions and optical luminosities. (4) VV87 computer tapes or HB89 computer tapes give magnitude update relative to hard copy catalog. (5) *B* magnitude from Hoag & Smith 1977 as referenced in HB89. (6) *B* magnitude from Burbidge & Strittmatter 1972 as referenced in HB89. (7) *B* magnitude from Kristian & Sandage 1970 as referenced in VV87. (8) *B* and *V* magnitudes from Usher 1978 as referenced in HB89. (9) *B* magnitude from Willis & de Ruiter 1977 as referenced in VV87. (10) *B* magnitude from Vaucher & Weedman 1980 as referenced in HB89. (11) *B* magnitude from Cohen et al. 1977 as referenced in VV87. (12) *B* magnitude from Peterson, Bolton, & Shimmins 1973 as referenced in HB89. (13) *B* and *V* magnitudes from Rafanelli & Schulz 1983 as referenced in VV87. (14) Original reference quotes magnitude as *R*; taken as *V* here due to lack of additional data. (15) No published data (other than HB89) found to verify magnitude or band; HB89 value taken as *V* magnitude. (16) *V* magnitude from Hunstead, Murdoch, & Shabbrook 1978 as referenced in HB89. (17) *B* and *V* magnitudes from Usher 1981 as referenced in HB89. (18) *B* and *V* magnitudes from Formiggini et al. 1980 as referenced in HB89. (19) *B* magnitude from Marshall et al. 1984 as referenced in HB89. (20) *B* magnitude from Braccesi et al. 1970 as referenced in HB89. (21) *B* magnitude from Véron et al. 1976 as referenced in HB89.

REFERENCES.—ANDP, Anderson 1990; H92, Hazard 1992; HB89, Hewitt & Burbidge 1989; SG83, Schmidt & Green 1983; SIMBA, SIMBAD on-line catalogue; SW80, Sramek & Weedman 1980; VV87, Véron-Cetty & Véron 1987.

[a]This table is also published in computer-readable form in the AAS CD-ROM Series, Vol. 2.

where ν_x corresponds to 2 keV and ν_{opt} corresponds to 2500 Å in the quasar's rest frame, l_x is the spectral luminosity at 2 keV in units of ergs^{-1} Hz^{-1} assuming $\alpha_x = 0.5$ (Tananbaum et al. 1979). For multiple X-ray observations of a given object, Table 6 contains multiple entry lines and appropriate values of α_{ox}. Lower limits for α_{ox}, corresponding to X-ray nondetections, are so indicated in Table 6.

4. CHARACTERISTICS OF THE QUASAR SAMPLE

As noted earlier, the quasars in the database are generally a heterogeneous sample but contain as subsets three complete samples: PG (optically selected), 3CR (radio-selected), and BF (optically selected). We describe the characteristics of the full set of 514 objects with the complete samples shown individually for comparison. Figure 2 shows the redshift distributions of the full, PG, 3CR, and BF samples respectively. It is clear that the database is dominated by low-redshift quasars with a long tail to higher redshift, the maximum redshift being 3.53. The X-ray and optical luminosity histograms (Figs. 3 and 4, respectively) show the range in spectral luminosity at 2 keV and 2500 Å, respectively. The database covers more than six orders of magnitude in both quantities.

In Figure 5 the distribution of α_{ox} (effective X-ray–to–optical slope) values for the whole database and for each complete sample are displayed. X-ray nondetections, i.e., lower limits on α_{ox}, are shaded. For our set of 514 "primary" observations, we have 328 X-ray detections and 186 nondetections. We further note that five of the nondetected objects were detected in one of our "nonprimary" observations. The PG sample is the most representative of the quasar population as a whole; it has a mean α_{ox} of 1.5 and a range 1.0–2.0. We note, however, that this sample is biased toward bright optical luminosity as a result of its relatively bright apparent magnitude limit, which in turn affects its distribution of X-ray luminosities due to the dependence of α_{ox} on optical luminosity. Figure 6 shows the same histograms but with radio-loud objects shaded. In the optically selected samples (PG, BF), the figures show a tendency for the radio-loud objects to have smaller α_{ox} (L_x relatively greater) than the radio-quiet ones. This is a manifestation of the result that for a given optical luminosity, α_{ox} is lower if an object is radio loud (Ku, Helfand, & Lucy 1980; Zamorani et al. 1981; Worrall et al. 1987).

TABLE 7

MEAN EQUIVALENT WIDTHS FOR THE PROMINENT EMISSION LINES

Line	Wavelength (Å)	Equivalent Width (W_λ, Å)
Hβ	4861	47
Mg II	2798	27
C III]	1909	17
C IV	1549	32
Lyα	1215	84

5. X-RAY AND OPTICAL LUMINOSITY RELATIONS

The study by AT86 of the dependence of the X-ray–to–optical luminosity ratio on optical luminosity and redshift is extended here using our significantly larger sample of optically selected quasars and Seyfert 1 galaxies.

5.1. *Object Selection*

The optically selected sample was assembled from the database by excluding certain sources: objects with flags "X" or "R" in the Hewitt & Burbidge (1987, 1989) catalog of quasars, indicating X-ray or radio selection, were excluded unless there was also an "O" or "C" flag (indicating optical or UV-excess selection) or unless they were part of the PG or BF samples. Eight radio-loud objects flagged "C" by Hewitt & Burbidge are excluded from our "optical" sample and are listed in Table 8. Six of these are included in the PHL Catalog of very blue objects (Haro & Luyten 1962). For all eight objects, follow-up redshift studies and classification as quasars only resulted from independent discovery of strong radio emission. As noted in Table 1, 0112-017 (also UM 310) is included in the optically selected sample even though it is not flagged "C" or "O" by Hewitt & Burbidge, because it was independently selected in a prism survey (Lewis, McAlpine, & Weedman 1979).

This selection process ensures that radio-loud objects are included as optically selected only when they are independently selected in an optical survey. Our optically selected sample is comprised of 343 objects (179 detections and 164 upper limits) from the original 514.

1994ApJS...92...53W

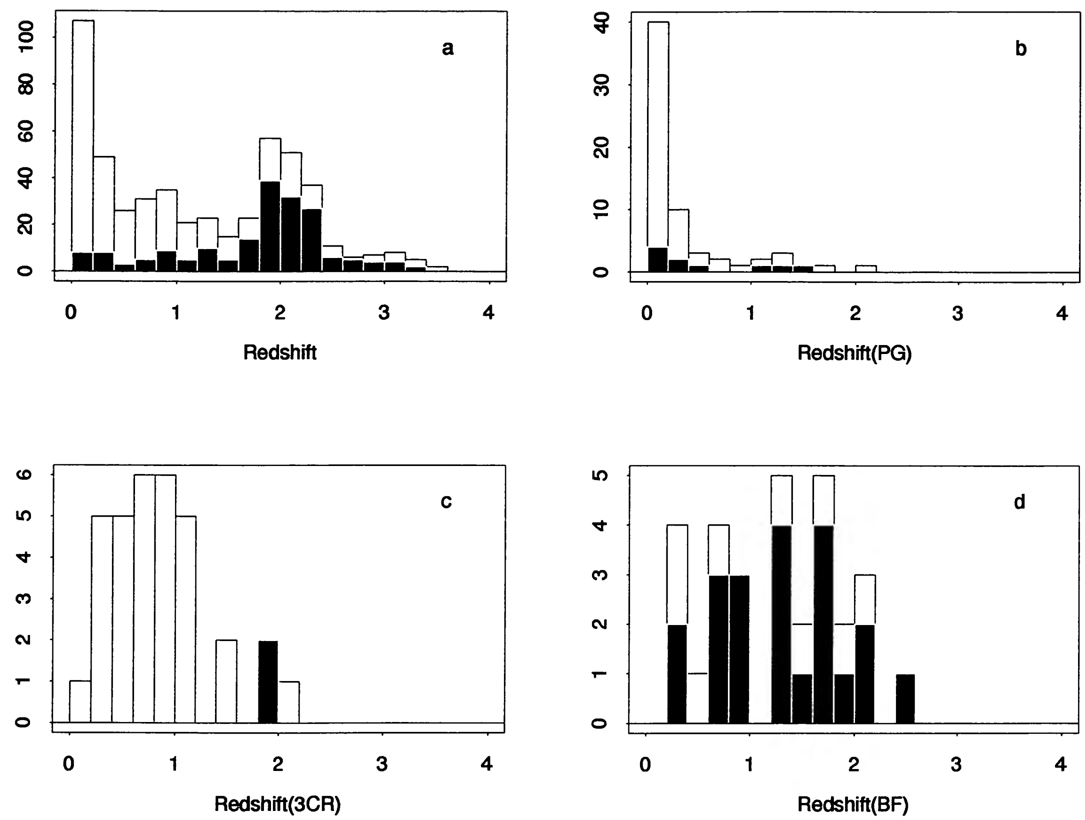

FIG. 2.—Histograms of the number of objects at each redshift for (*a*) the full database and (*b*) the PG, (*c*) the 3CR, and (*d*) the BF samples. X-ray upper limits are shown shaded.

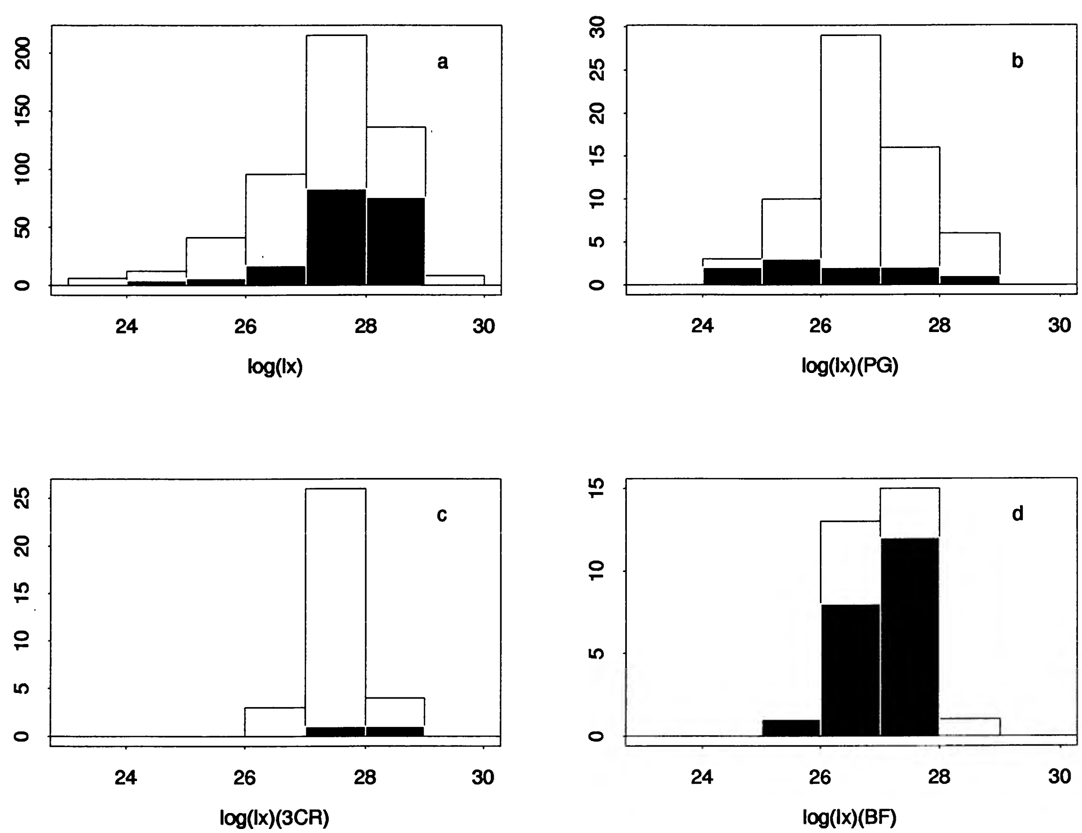

FIG. 3.—The range in 2 keV X-ray luminosity present in (*a*) the full sample of 514 sources and (*b*) the PG, (*c*) the 3CR, and (*d*) the BF subsamples. X-ray upper limits are shown shaded. The term log l_x is spectral luminosity at 2 keV with l_x in units of ergs s^{-1} Hz^{-1} assuming $\alpha_x = 0.5$.

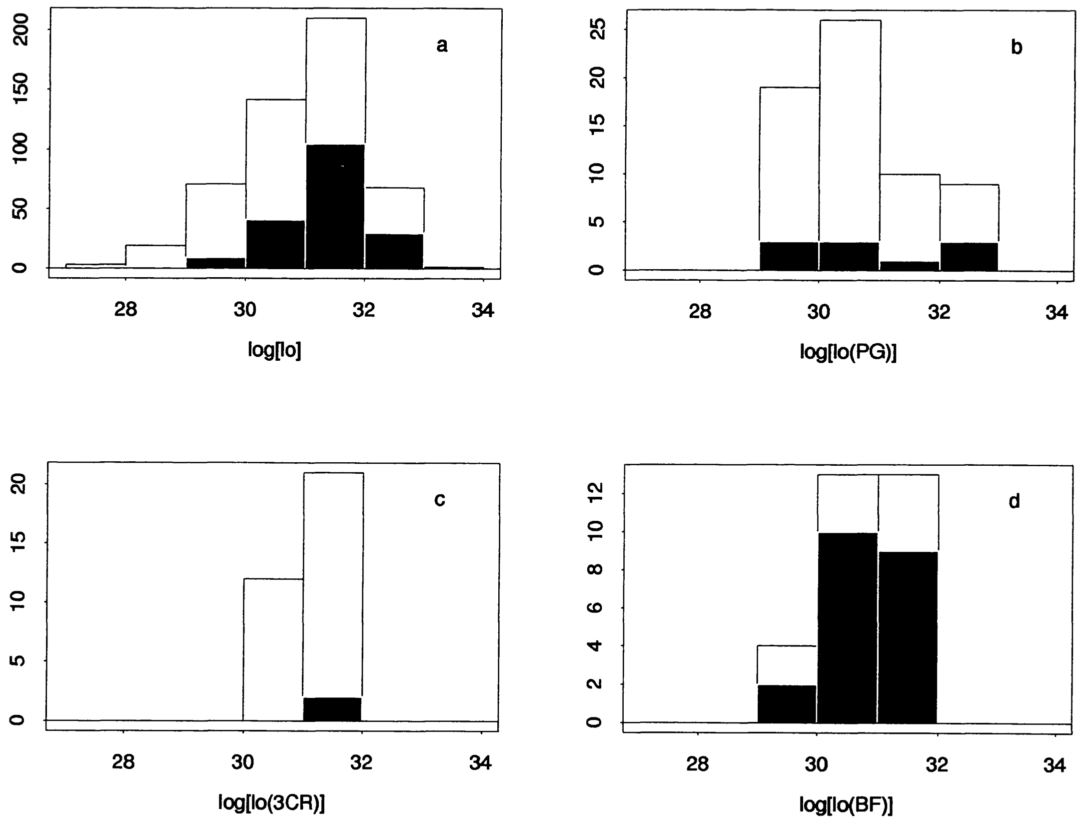

FIG. 4.—The range in 2500 Å optical luminosity present in (a) the full sample and (b) the PG, (c) the 3CR, and (d) the BF subsamples. X-ray upper limits are shown shaded. The term log l_o is the spectral luminosity at 2500 Å with l_o in units of ergs s^{-1} Hz^{-1} derived from the optical magnitude under the assumption $\alpha_o = 0.5$.

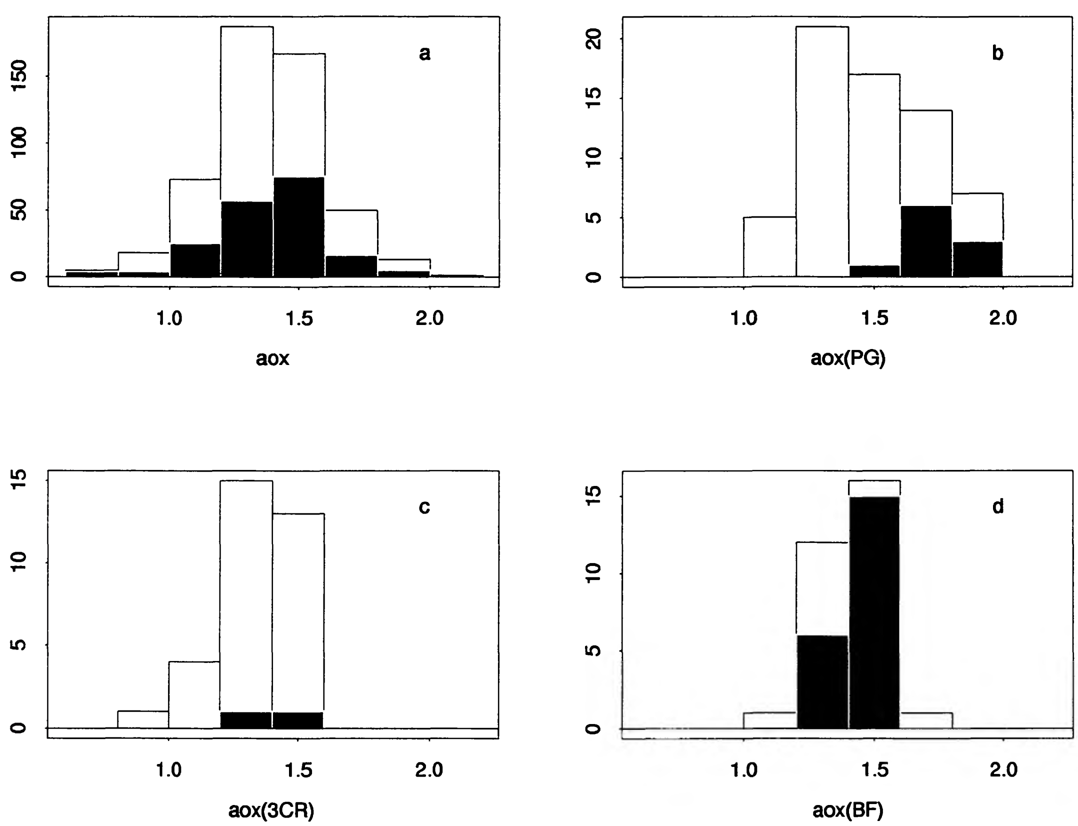

FIG. 5.—The range in effective optical to X-ray slope (α_{ox}) present in (a) the full sample and (b) the PG, (c) the 3CR, and (d) the BF subsamples. Lower limits are shown shaded.

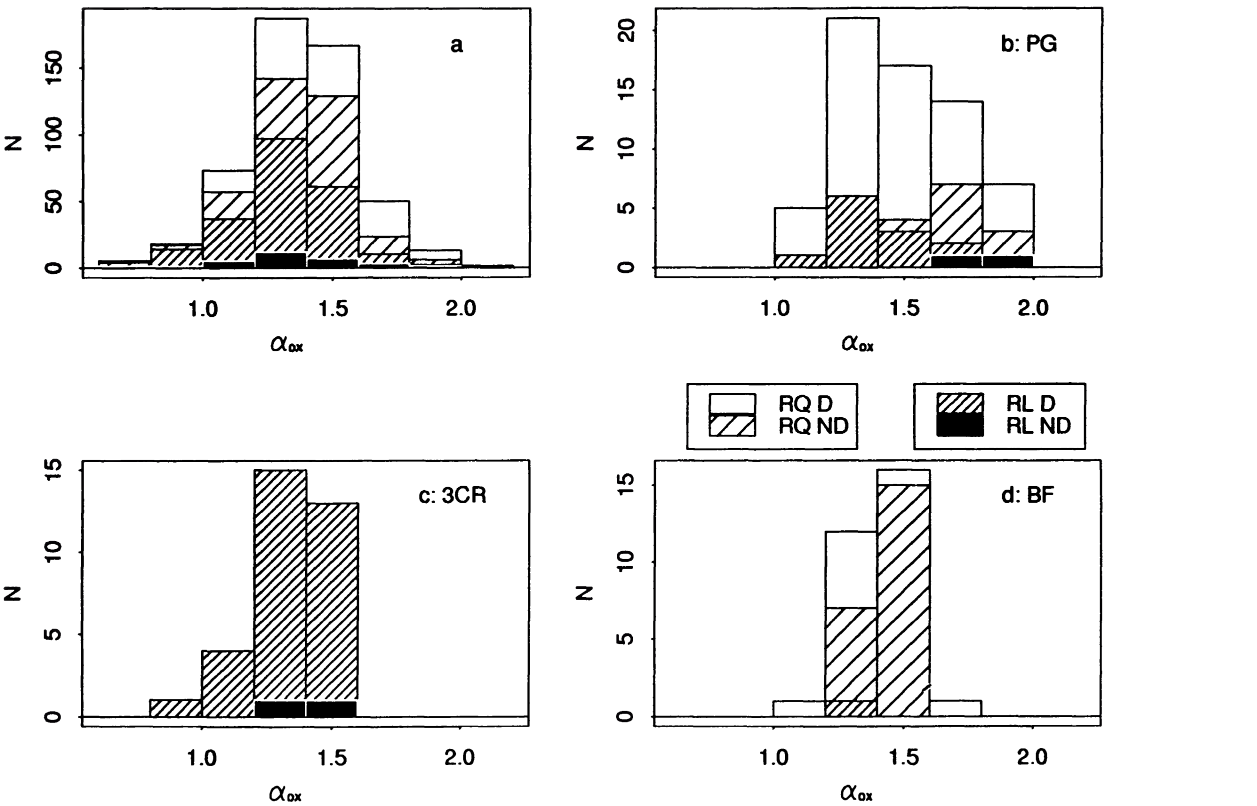

FIG. 6.—The range in effective optical to X-ray slope (α_{ox}) present in (a) the full sample and (b) the PG, (c) the 3CR, and (d) the BF subsamples. RQ = radio-quiet, RL = radio-loud, D = X-ray detections, ND = X-ray nondetections.

5.2. *Subsample Characteristics*

Figure 7 compares the distribution in redshift and log l_o for the current sample and that of AT86. One obvious difference between the two samples is our inclusion of lower luminosity objects. A K-S test for two-dimensional data (Press & Teukolsky 1988) finds that the distribution of z, log l_o values differ between the current sample and that of AT86 (0.2% of a chance occurrence).

5.3. *Dependence of X-ray Luminosity on Optical Luminosity*

We use the DB regression analysis method described in AT86 with the same functional form for the mean α_{ox},

$$\langle \alpha_{ox}(\log l_o, z) \rangle = A_z[\tau(z) - 0.5] + A_o(\log l_o - 30.5) + A \,, \quad (11)$$

where $\tau(z)$ is the lookback time in units of the Hubble time (or $z/[1 + z]$ for the $q_0 = 0$ cosmology assumed here).

For consistency with Avni & Tananbaum (1982, hereafter AT82) and AT86, we assume that the α_{ox} residuals follow a Gaussian distribution about $\langle \alpha_{ox} \rangle$, and we compute the value of α_{ox} for each source using an X-ray spectral index of $\alpha_x = 0.5$. Figures 8a and 8b show 90% confidence contours for two interesting parameters ($\Delta S = 4.6$) in the A_o versus A_z and A_o versus A planes, respectively, for the new optically selected sample of 343 sources (*solid line*) and the earlier AT86 sample of 154 sources (*dotted line*). The revised contours are consistent with the earlier results but provide tighter constraints on the parameter values due to the larger sample. The decrease in size of the contours is not as great as would be expected (squareroot of ratio of number of sample objects in each linear dimension) if the larger sample were drawn from exactly the same population as the smaller. We attribute this to the differences between the ranges of z and log l_o in the samples (see § 5.2). Note that measurements of l_o and l_x revised with respect to AT86 have an insignificant effect on the fitted results. A total of 143 sources

TABLE 8

OBJECTS FLAGGED AS COLOR-SELECTED BY HEWITT & BURBIDGE, BUT EXCLUDED FROM OUR OPTICALLY SELECTED SAMPLE

Name	Other Names
0017+154	PHL 2871, 3C R9
0056−001	PHL 923, PKS
0226−038	PHL 1305, PKS
0730+659	W1 0730+659
1223+252	TON 616, 4C 25.40
2128−123	PHL 1598, PKS
2134+004	PHL 61, PKS
2135−147	PHL 1657, PKS

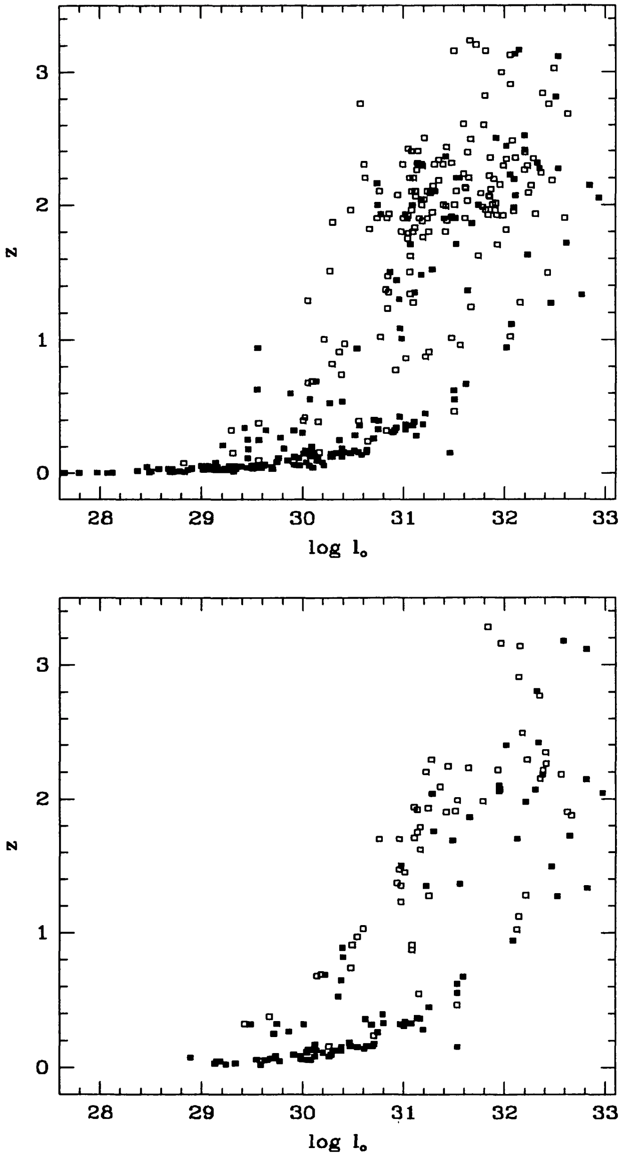

FIG. 7.—The distribution in redshift and log l_o of the 343 sources in (*top*) the new optically selected sample and (*bottom*) the earlier, smaller, sample of 154 sources from AT86. The term log l_o is the logarithm of the spectral luminosity at 2500 Å in units of ergs s^{-1} Hz^{-1}. X-ray detections are shown as filled symbols; open symbols are X-ray upper limits.

in the current database are included in the set of 154 sources used by AT86. We find consistency with the AT86 result using the new measurements for these 143 sources.

Our results, which are consistent with $A_z = 0$, confirm with smaller errors the result of AT82 and AT86 that $\langle \alpha_{ox} \rangle$ depends primarily on log l_o rather than z, although we cannot rule out a small z dependence. Our formal 1 σ errors for two interesting parameters are $A_o = 0.10 \pm 0.04$, $A_z = 0.006 \pm 0.17$, $A = 1.54 \pm 0.04$, with a best-fit Gaussian standard deviation of $\sigma = 0.25 \pm 0.02$ for the dispersion in the spectral index α_{ox}.

Assuming no dependence on z, again with 1 σ errors for two interesting parameters, we find

$$\langle \alpha_{ox} \rangle = (0.11 \pm 0.02)(\log l_o - 30.5) + (1.53 \pm 0.02) \quad (12)$$

$$\left\langle \log\left(\frac{l_x}{10^{26.5}}\right)\right\rangle = (0.71 \pm 0.05) \log\left(\frac{l_o}{10^{30.5}}\right) + (0.018 \pm 0.065). \quad (13)$$

Figure 9 shows the values of log l_x and log l_o for our sample objects with the fit of equation (13) superposed. The scatter of the data about the best-fit line suggests visually that something more complicated than a linear dependence of l_x on l_o may give a better fit; this is investigated in a forthcoming paper (Avni, Worrall, & Morgan 1994). Figure 10 illustrates that the X-ray and optical flux densities are correlated, confirming that a correlation between log l_x and log l_o is not an artifact of common distance spreading along each axis.

AT86 found that although a Gaussian form to the residuals was acceptable, a skew distribution with a longer tail at high α_{ox} (low l_x) and a shorter tail at low α_{ox} (high l_x) gave a better fit. This change was found to reduce the normalization but not the shape of the dependence on l_o. DB regression analysis can also be applied using a nonparametric form for the residuals (Avni et al. 1980). This method gives a similar dependence of α_{ox} on log l_o, and, by fitting the mean α_{ox} for different bands of log l_o, the shape of the dependence of α_{ox} on log l_o can be investigated. The nonparametric approach has been investigated further and applied to the present sample by Avni, Worrall, & Morgan (1991, 1994) who show how the resulting uncertainties (although not the best fits) depend on the allowed range for the underlying distribution of residuals and who point out that errors may be underestimated if care is not taken in applying such methods (see also Anderson 1985).

Margon et al. (1992) have found a very similar dependence of α_{ox} on log l_o to our fit of equation (12). Their slope is 0.11 ± 0.01 (error presumed to be 1 σ for one interesting parameter) from fitting measurements of 146 objects which were observed with the IPC and taken from a complete quasar sample. While some of their objects are in common with our analysis, it is significant that the analysis method they employ, "image stacking," is quite different from ours, and yet the results agree very well. Marshall (1992) also obtains a similar result to that given here from a further analysis of the quasar sample of AT86. Marshall's treatment includes the uncertainties in the detected fluxes as well as the probability distribution associated with the nondetections.

Low-luminosity objects show increased dispersion in their dependence of l_x on l_o, probably due to a combination of varying degrees of starlight contamination which would affect l_o and intrinsic absorption (believed to be largest in low-luminosity sources) having been ignored in the calculations of l_x (Worrall 1987). If we restrict our sample to exclude the lowest luminosity AGNs (log l_o < 29.0), we find that the results change marginally in the direction of a larger A_o (i.e., a flatter dependence on l_o; see Figs. 11*a* and 11*b*). The new best-fit parameters are $A_o = 0.15 \pm 0.04$, $A_z = -0.08 \pm 0.17$, $A = 1.49 \pm 0.04$, with $\sigma = 0.23 \pm 0.02$. Still no dependence on redshift is required by the fit. This change is consistent with

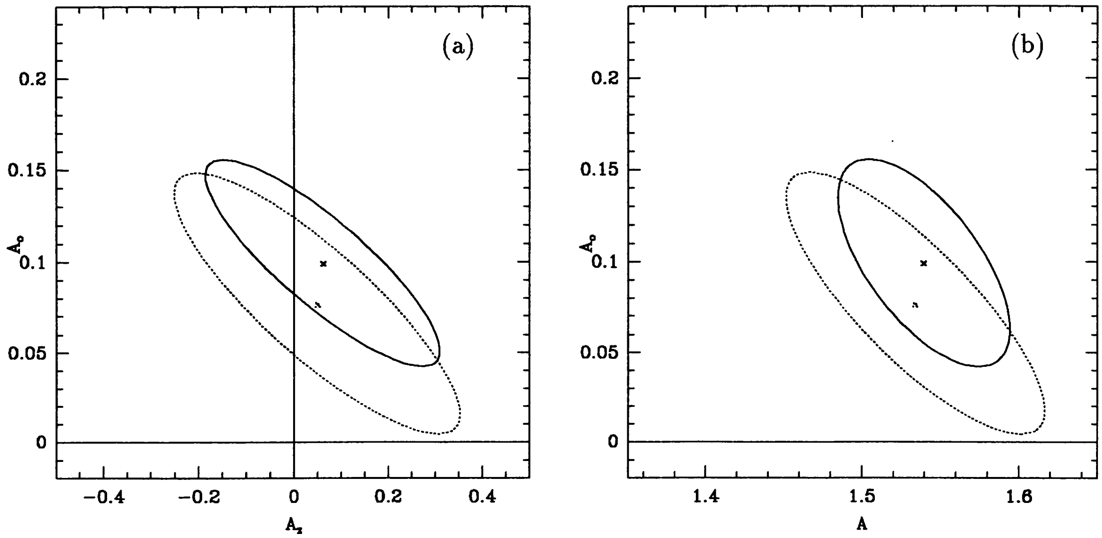

FIG. 8.—The 90% confidence ($\Delta S = 4.6$) contours for (*a*) A_o, A_z, (with A free), and (*b*) A_o, A, (with A_z free), from fitting the dependence of α_{ox} on z and log l_o (eq. [11]). Contours using the previously analyzed smaller dataset of AT86 are shown (*dotted lines*) for comparison.

contamination by starlight at low l_o steepening the dependence of l_o. This is clear in Figure 9 where the low luminosity objects have systematically high l_o.

5.4. *Dependence on X-Ray Spectral Index*

Although we assumed a value of X-ray spectral energy index $\alpha_x = 0.5$ in our analysis, for comparison with earlier work, it is now known that, for the brightest X-ray AGNs measured with the IPC, a slope of 0.5–0.7 is more typical for radio-loud objects and ~1.0 for their radio-quiet counterparts (Wilkes & Elvis 1987; Canizares & White 1989; Worrall 1989; Brunner et al. 1989). Figure 12 shows that our conclusion that α_{ox} depends primarily on log l_o rather than redshift is relatively insensitive to our choice of α_x. A change in α_x affects A_z and A but not A_o. This is because α_{ox} jointly depends on α_x and z through

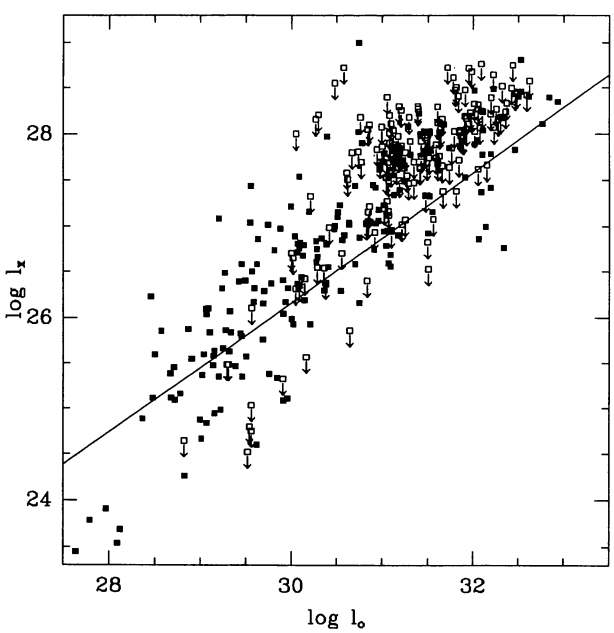

FIG. 9.—The relation between X-ray and optical luminosity for the new optically selected sample of 343 sources, with best-fit model assuming no redshift dependence. Luminosities are in units of ergs s^{-1} Hz^{-1} at 2 keV and 2500 Å for l_x and l_o, respectively. Detections are indicated by filled squares and X-ray upper limits by open squares with arrows attached.

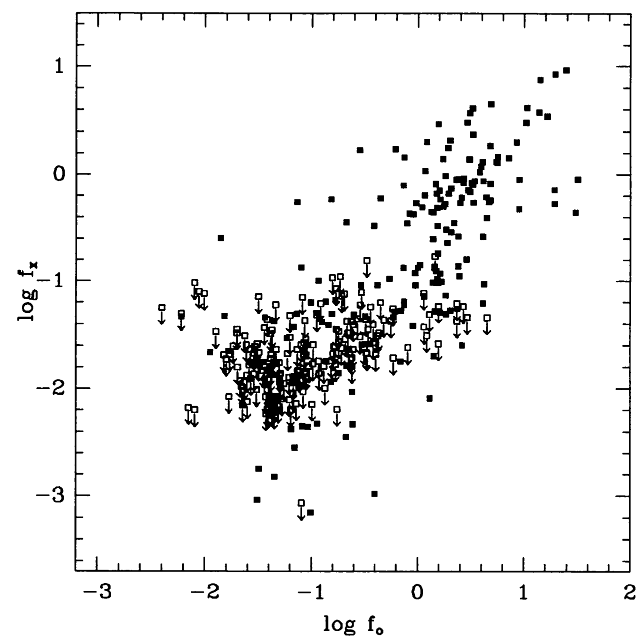

FIG. 10.—A dependence of X-ray flux density (μJy) on optical flux density (mJy) shows that the log l_x, log l_o correlation of Fig. 9 is not induced merely by common distance spreading along each axis. Detections are indicated by filled squares and X-ray upper limits by open squares with arrows attached.

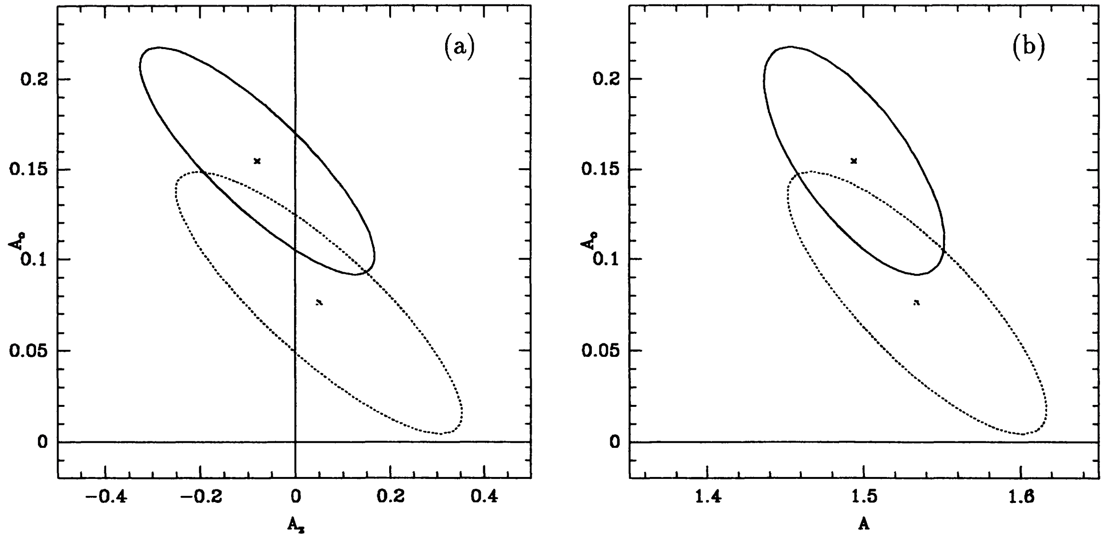

FIG. 11.—The 90% confidence ($\Delta S = 4.6$) contours for (*a*) A_o, A_z, and (*b*) A_o, A, from fitting the dependence of α_{ox} on z and $\log l_o$, where low-luminosity AGNs ($\log l_o < 29.0$) have been excluded. As in Fig. 8, contours using the previously analyzed smaller dataset of AT86 are shown (*dotted lines*) for comparison.

the *K*-correction term of the X-ray luminosity calculation (see the form of eq. [6]), whereas there is no joint dependence on α_x and l_o. (However, note that in fits to eq. [11] with A_z explicitly set to zero, changes in α_x affect both A_o and A; this is because if there is no redshift term in the fitting function to accommodate the joint dependence of α_{ox} on α_x and z, the optical luminosity term becomes indirectly affected due to a dependence of z on l_o [Fig. 7].)

5.5. *Difference between Radio-loud and Radio-quiet Sources*

Figure 13 shows separately the redshift versus $\log l_o$ figures for the 291 radio-quiet and 52 radio-loud sources of the optically selected sample. A K-S test finds that these subsamples differ in their distributions of z, $\log l_o$ (0.5% of a chance occurrence), although the incompleteness of our samples precludes any cosmological significance from being attributed to this difference.

We exclude low-luminosity objects and compare samples for $\log l_o > 29.0$ in order to be somewhat comparable with Worrall et al. (1987) who actually used an even higher threshold of $\log l_o > 29.95$. The radio-loud and radio-quiet subsets are consistent with $A_z = 0$ and the same dependence on $\log l_o$ (i.e., same A_o), but fit very different normalization constants, A (Figs. 14*a* and 14*b*). This confirms earlier results that radio-loud sources produce more X-rays relative to their optical lumi-

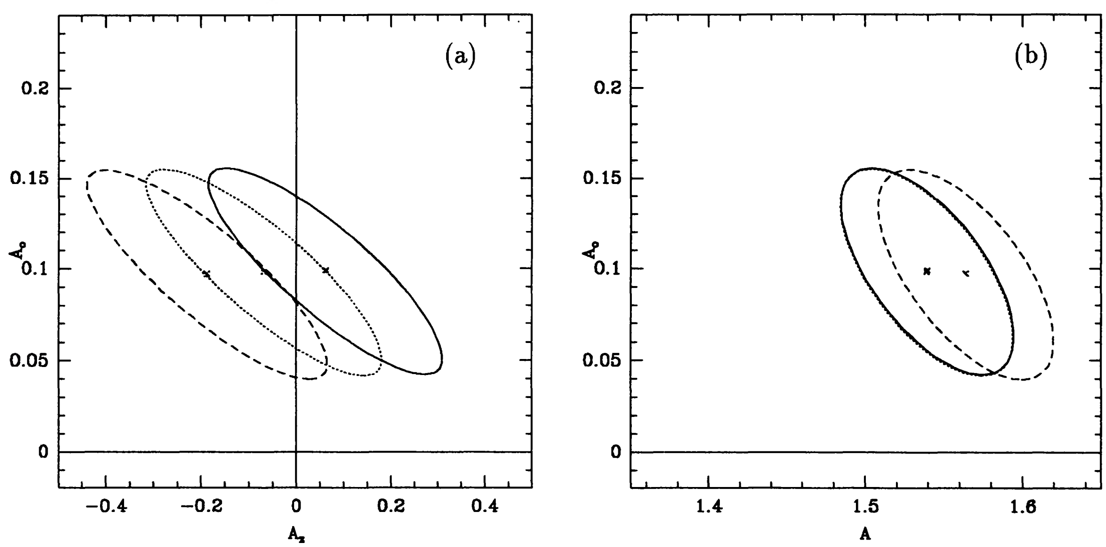

FIG. 12.—The 90% confidence ($\Delta S = 4.6$) contours for (*a*) A_o, A_z, and (*b*) A_o, A, from fitting the dependence of α_{ox} on z and $\log l_o$, for three different assumptions about the X-ray spectral index: $\alpha_x = 0.5$ (*solid line;* same as Fig. 10), $\alpha_x = 1.0$ (*dotted line*), and $\alpha_x = 1.5$ (*dashed line*).

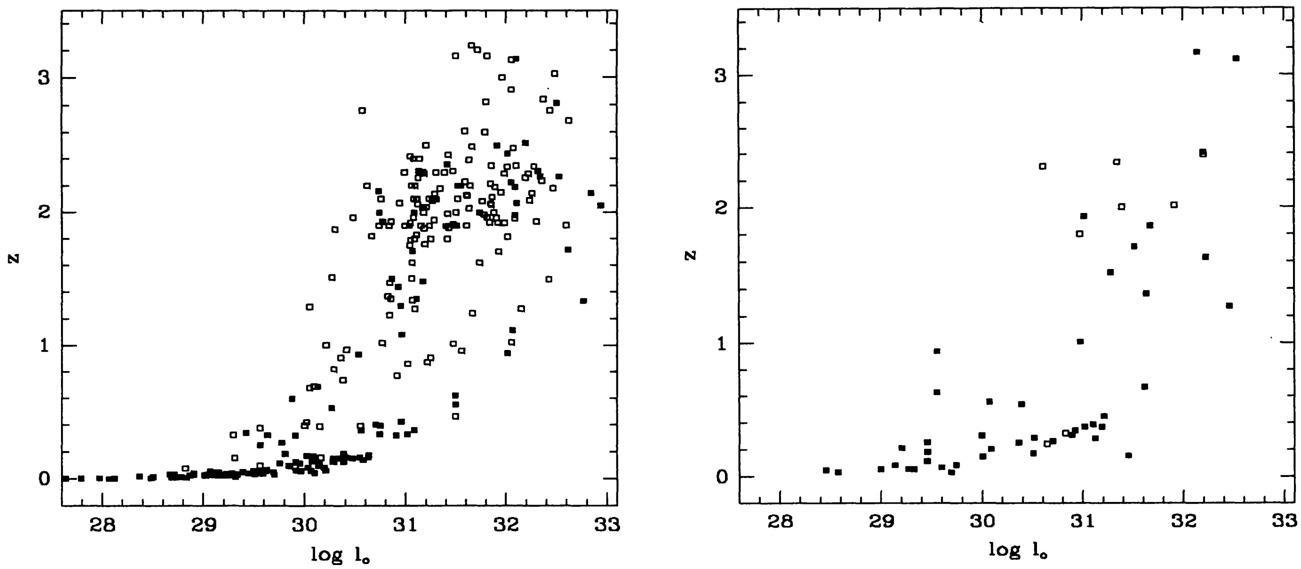

FIG. 13.—The distribution in redshift and log l_o of objects in the new optically selected sample, divided into radio-quiet (*upper*) and radio-loud (*lower*) subsamples. Following Zamorani et al. (1981), a source is radio loud if its spectral index between 5 GHz and 2500 Å in the source frame is larger than 0.35. The term log l_o is the logarithm of the spectral luminosity at 2500 Å, in units of ergs s^{-1} Hz^{-1}. X-ray detections are shown as filled symbols; open symbols are X-ray upper limits.

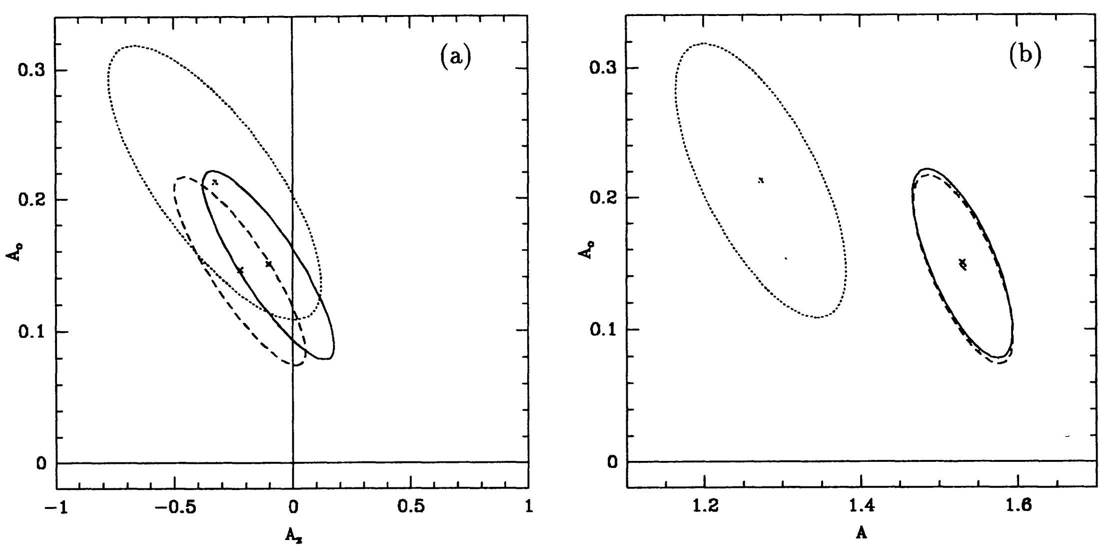

FIG. 14.—The 90% confidence contours ($\Delta S = 4.6$) for the 272 radio-quiet ($\alpha_x = 0.5$, *solid line;* $\alpha_x = 1.0$, *dashed line*) and 49 radio-loud ($\alpha_x = 0.5$, *dotted line*) quasars with log $l_o > 29.0$. The low-luminosity sources are excluded because they bias the fit and are predominantly only radio quiet (Fig. 13). (*a*). A_o vs. A_z. The radio-quiet and radio-loud subsamples are consistent with the same A_o and $A_z = 0$. (*b*). A_o vs. A. The radio-quiet and radio-loud subsamples are consistent with the same A_o (dependence on log l_o), but fit different normalization constants, confirming earlier results that a source which is radio loud will produce more X-rays relative to its optical luminosity.

nosity (i.e., radio-loud sources have a lower value of A, and thus a smaller [flatter] α_{ox}; Ku et al. 1980; Zamorani et al. 1981; Worrall et al. 1987). We see from Figure 14*b* that allowing for a different spectral slope for the two populations (0.5 for radio-loud and 1.0 for radio-quiet; see § 5.4) does not account for the difference in normalization.

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Tables 1, 2, 3, 5, and 6 also are published in computer-readable form in the AAS CD-ROM Series, Vol. 2.

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