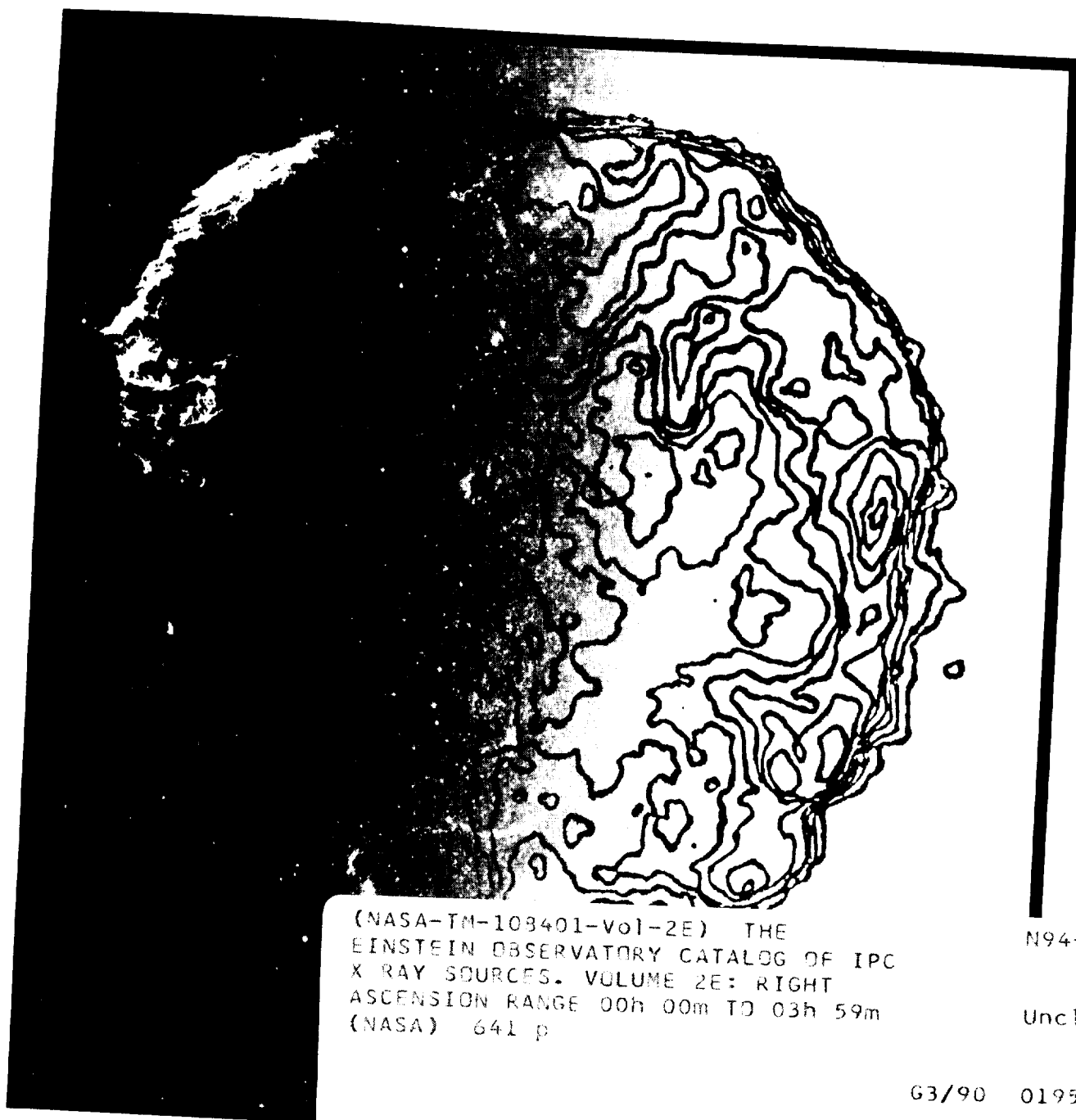


THE EINSTEIN OBSERVATORY CATALOG OF IPC X-RAY SOURCES



(NASA-TM-108401-Vol-2E) THE
EINSTEIN OBSERVATORY CATALOG OF IPC
X RAY SOURCES. VOLUME 2E: RIGHT
ASCENSION RANGE 00h 00m TO 03h 59m
(NASA) 641 p

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Unclass

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SMITHSONIAN ASTROPHYSICAL OBSERVATORY



REPORT DOCUMENTATION PAGE

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13. ABSTRACT (Maximum 200 words) The Einstein Observatory (HEAO-2, launched November 13, 1978) achieved radically improved sensitivity over previous x-ray missions through the use of focusing optics which simultaneously afforded greatly reduced background and produced true images. During its 2.5-yr mission, the Einstein X-Ray Telescope was pointed toward some 5,000 celestial targets, most of which were detected, and discovered several thousand additional "serendipitous" sources in the observed fields. This catalog contains contour diagrams and source data, obtained with the imaging proportional counter in the 0.16 to 3.5 keV energy band, and describes methods for recovering upper limits for any sky position within the observed images. The main catalog consists of six volumes (numbered 2 through 7) of right ascension ordered pages, each containing data for one observation. Along with the primary documentation describing how the catalog was constructed, volume 1 contains a complete source list, results for merged fields, a reference system to published papers and data useful for calculating upper limits and fluxes. A machine readable version of the catalog is available as a set of three CD-ROM (Compact Disk-Read Only Memory), and source information is also accessible via an on-line computer service.				
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[Relevant section numbers of Volume 1 are given in square brackets.]

- A) Sequence number of the observation. [5.0]
- B) Right ascension (1950) of the field center.
- C) First contour level (counts arcmin⁻²) and peak value. Successive contours increase by factors of 2. Negative contours are dotted. [4.5]
- D) Numbers of deep survey (DS) and bright Earth (BE) counts contained in the background map which has been subtracted from the data. [4.5]
- E) "Road-map" grid defining detector coordinates. These are required for estimating intensity upper limits. They are not present for observations which include data with "unstable" pointings. [4.6]
- F) Gray scale showing the relative exposure map (dominated by vignetting and the rib support shadows). [4.3]
- G) Intensity map, with detected sources indicated by field number and a cross (also listed in the table below the map). The map has had the background subtracted and has been corrected for vignetting. [4.1, 4.2] The coordinates of the map are R.A. and decl. (1950).
- H) Observation title from "Yellow Book" (Seward and Martenis 1986).
- I) Position of the field center in celestial (B1950 and J2000) and Galactic coordinates. [3.1]
- J) Other field data: start and stop dates [3.2]; live time [3.3]; roll angle of detector (clockwise from north; for zero degrees roll, detector letters are along the bottom of the road map) [3.4]; and the column density of neutral hydrogen in our Galaxy [3.5].
- K) Ref/ID flag: a nonblank entry indicates that a paper has been published on this field or on a source in the field. [3.6; Appendix I]
- L) Field flag [3.7]:
 - B: Background map suspect; may affect MDETECT
 - C: Combined fields: a merged map exists [Appendix J]
 - D: Deletion of one or more detections judged to be spurious [Appendix F]
 - G: Ghost image probably present
 - L: LDETECT only (MDETECT not run)
 - P: Particle-event contamination possible in background
 - S: Source has been missed by the detect algorithms [Appendix G]
 - T: Time correction redone to rectify erroneous dead-time calculation
- M) Catalog number and field number for the sources. An "L" following the field number indicates that the source was found by LDETECT only. [5.1, 5.2]
- N) Corrected count rate, as measured in a 2'4 box [5.4]. A preceding "*" warns that the intensity may be underestimated [5.8].
- O) Cell counts and the signal to noise ratio of the detection. [5.5, 5.6]
- P) SIZCOR, an intensity correction factor useful in estimating the intensity of extended sources, is the ratio of counts within the 3 σ (lowest) contour to the net cell counts (corrected for the point response function) [5.7]. RECO, the "rib and edge code," when nonzero, indicates that intensity measurements may be underestimated [5.8]. R' is the distance from the source to the field center in arcminutes.
- Q) Source flag [5.10]:
 - A: Additional detection(s) occurred in other field(s). [Appendix H]
 - a: Probably should be paired with another detection, but separation exceeded cutoff and thus not assigned an "A" flag.
 - E: Intensity corrected for source near the exposure cutoff at the field edge.
 - H: A hardness ratio is available [Appendix D]
 - I: Source detected by LDETECT near field edge. Intensity adjusted to remove redundant exposure correction.
- R) Ref/ID flag; see (K) above. [5.11]
- S) Volume number and page number



THE EINSTEIN OBSERVATORY CATALOG OF IPC X-RAY SOURCES

The *Einstein* Catalog Committee

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Smithsonian Astrophysical Observatory
Cambridge, MA, USA

Volume 2

00^h 00^m

to

03^h 59^m

1990

The graphic inset on the cover was designed by Elizabeth Bohlen. The X-ray contours of the Cygnus Loop were generated by F. Seward from a montage of several IPC observations. The optical photograph is from the Palomar Sky Atlas; ©1960 The National Geographic Society - Palomar Sky Survey. Reproduced by permission of the California Institute of Technology.

The first volume of this seven-volume catalog contains complete documentation for the material that follows. Volumes 2-7 contain the Einstein imaging proportional counter (IPC) observations, ordered by right ascension with 4 hours per volume. Here we provide a short guide to the catalog pages, but the user is referred to Volume 1 for the details of this catalog.

1 The Contour Map

The map is constructed from the BROAD energy band (0.16-3.5 keV), smoothed with a Gaussian of FWHM=75". The data have had background subtracted and vignetting corrections applied. X-ray brightness units are counts arcmin⁻², with contour levels increasing by factors of 2. Dashed contours indicate negative levels (with the same values as the positive contours). The lowest positive contour level is 3 σ above the background at the field center; this level and the peak brightness level in the map are given in the lower left-hand corner.

Sources satisfying the catalog selection criteria (cf. § 2 of Vol. 1) are indicated by crosses, with their field numbers adjoining the cross. The gray scale shows the relative exposure, ranging from 1.0 at the field center (white) to zero under the rib shadows. Although it is difficult for the eye to differentiate between zero and the normal values in the field corners (about 0.25), we have chosen this low-contrast gray scale so that the contours will still dominate the visual impression. The exposure map is zeroed at any location where the effective exposure is < 300 s or <25% of the value at the field center.

For observations with "stable" pointings, a "road-map" index surrounds the map. This grid of characters defines detector coordinates, and may be used with the tables in Appendix B (Vol. 1) to estimate upper limits for X-ray intensities at arbitrary locations within the field.

In the lower right-hand corner we give the counts in the background maps which were subtracted from the image prior to smoothing the data. "DS BKG CNTS" gives the total counts in the scaled version of the standard background map made from a superposition of deep survey fields. "BE BKG CNTS" specifies the contribution (positive or negative) to the background map from the standard "bright Earth" background.

2 Field Description

Beneath the contour diagram are parameters pertaining to the observation. The observation title was taken from the "Yellow Book" (Seward and Martenis, 1986), which is known to contain a few misnamed sequences. Titles preceded by "(?)" appear in Table 3.0 (cf. § 3.0 of Vol. 1), which lists possibly misleading titles. The coordinates of the field center are given for two epochs, B1950 and J2000, as well as in Galactic coordinates. The date entry gives the start day and stop day of the observation in yyyy/ddd format. The "live time" is the data-acquisition time corrected for telemetry dead-time effects. The roll angle is given for observations with stable pointings, and is the angle which specifies the orientation of the detector on the sky, with positive values indicating clockwise rotation when looking at the sky, starting from north as zero degrees. For a roll angle of zero, the "narrowest edge area" (i.e., outside the shadow of the entrance window support "ribs"; cf. Vol. 1) lies horizontally along the top of the map; the numbered detector coordinate scale runs down the left side; and the lettered scale is on the bottom, running from left to right.

The column density of neutral hydrogen in our Galaxy for the pointing direction, given as the " N_H " parameter, has been integrated from radio observations of the HI line. The "Ref/ID" flag, if present, alerts the reader that Appendix I of Volume 1 contains an entry referring to a publication dealing with this observation. The field flag is used to describe certain conditions which are listed at the end of this introduction.

3 The Source Table

Whenever sources have been detected (at signal-to-noise ratios ≥ 3.5 , in the BROAD energy band), a source table is present below the field description. The catalog number identifies unique sources in this catalog. The field number should be considered an "internal" catalog parameter to be used to facilitate the correlation of contour map features with their entries in the source table and to locate source information in the appendices. "External" references to sources should use the IAU conventions or the catalog number, both preceded by "2E," which is the adopted prefix for this catalog (see Vol. 1, §1.5).

The count rate (with its 1σ uncertainty) refers to that measured in the standard detect cell ($2/4$ on a side) and has been corrected for telescope vignetting as well as for the standard scattering correction. The net and background counts also refer to the standard detect cell and are provided to assist users in evaluating source reliability. The signal-to-noise ratio of the detection is also given.

The size correction (“SIZCOR”) is a multiplicative factor useful in estimating the intensity of sources which are much more extended than the resolution of the maps (approximately $2'$ FWHM). RECO is the “rib and edge code” and, when nonzero, alerts the user to the condition that the source intensity measurement may be affected by shadowing of the window support structure (ribs) or proximity to a detector edge. The distance of the source from the field center is given in arcminutes by R' .

The source flag is a one letter indicator denoting certain conditions described below, and the “ID” flag, when present, indicates that references to published papers concerning the source can be found by consulting Appendix I (Vol. 1).

4 Meaning of the Flags

Complete descriptions of the purpose and meaning of the various flags is given in Volume 1; here we give only a brief summary.

Ref/ID FLAGS

AGN	Active galactic nucleus
BL	BL Lac object
CLG	Cluster of galaxies or group of galaxies
CV	Cataclysmic variable
G	Galaxy
GLB	Globular cluster
P	Pulsar
Q	Quasar
RS	Radio source (optical type not specified)
S	Star
SNR	Supernova remnant
SY	Seyfert galaxy
*	Unspecified type: indicates separation $< 100''$
†	Unspecified type: indicates separations between $100''$ and $150''$
!	Unspecified type of (undetected) source(s) in the field

FIELD FLAGS

- B — Background is suspect; not a reference to further information. For a very few sequences, the MDETECT background map seemed unsuccessful in representing the true background. In these rare cases, the reliability of MDETECT sources (and the values of SIZCOR) may have been affected.
- C — Combined to form merged field. The current observation has been merged with one or more additional pointings to produce a combined map with a “new” sequence number. Results of the merged analyses appear in Appendix J, but in order to preserve statistical independence they were not included in the IPC source list (Vol. 1).
- D — Deleted detections. One or more detections have been deleted from this field and are listed in Appendix F of Volume 1. Such detections (primarily within extended emission regions such as supernova remnants and clusters) were deleted from the catalog because they were judged to be spurious.

- G — Ghost image (probably) present. See Appendix A of Volume 1 for a description of this effect due to bright sources just outside the IPC field of view.
- L — LDETECT only; not a reference to further information. Reasons for not running the MDETECT detection algorithm are discussed in Appendix A of Volume 1.
- P — Particle-event contamination of the background.
- S — Sources missed. One or more known sources in this field were missed by the detection algorithms. A list of such sources appears in Appendix G of Volume 1.
- T — Time correction made. The dead-time correction used in Rev1B was in error by 3% or more (occurred for 84 IPC sequences); this sequence has been reprocessed to obtain the proper live time.

SOURCE FLAGS

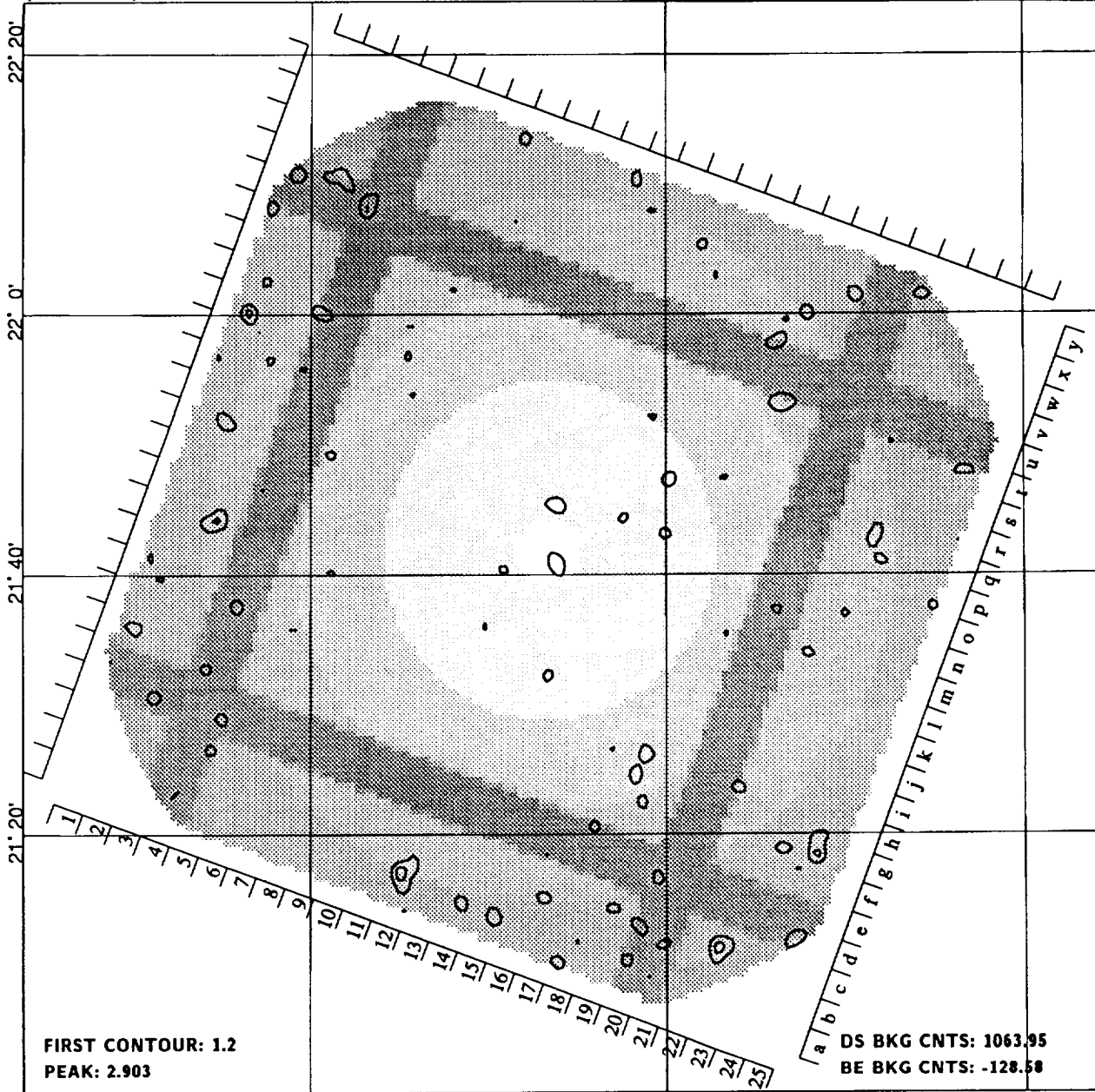
- A: Additional detection(s) occurred in other field(s).
- a: Probably should be paired with another detection, but separation exceeded cutoff; thus not assigned an “A” flag.
- E: Intensity corrected for source near the exposure cutoff at the field edge.
- H: A hardness ratio is available (cf. Appendix D of Vol. 1).
- I: Source detected by LDETECT near field edge. Intensity adjusted to remove redundant exposure correction.



(0h 0m)

I 7578

(0h 0m)



FIRST CONTOUR: 1.2
PEAK: 2.903

DS BKG CNTS: 1063.95
BE BKG CNTS: -128.58

0h 2m

0h 0m

23h 58m

MK 334, NARROW LINE GALAXIES

FIELD CENTER: 00^h00^m36.0^s 21°41'59" (B1950)
00^h03^m10.0^s 21°58'42" (J2000)
l: 108.37 b: -39.52

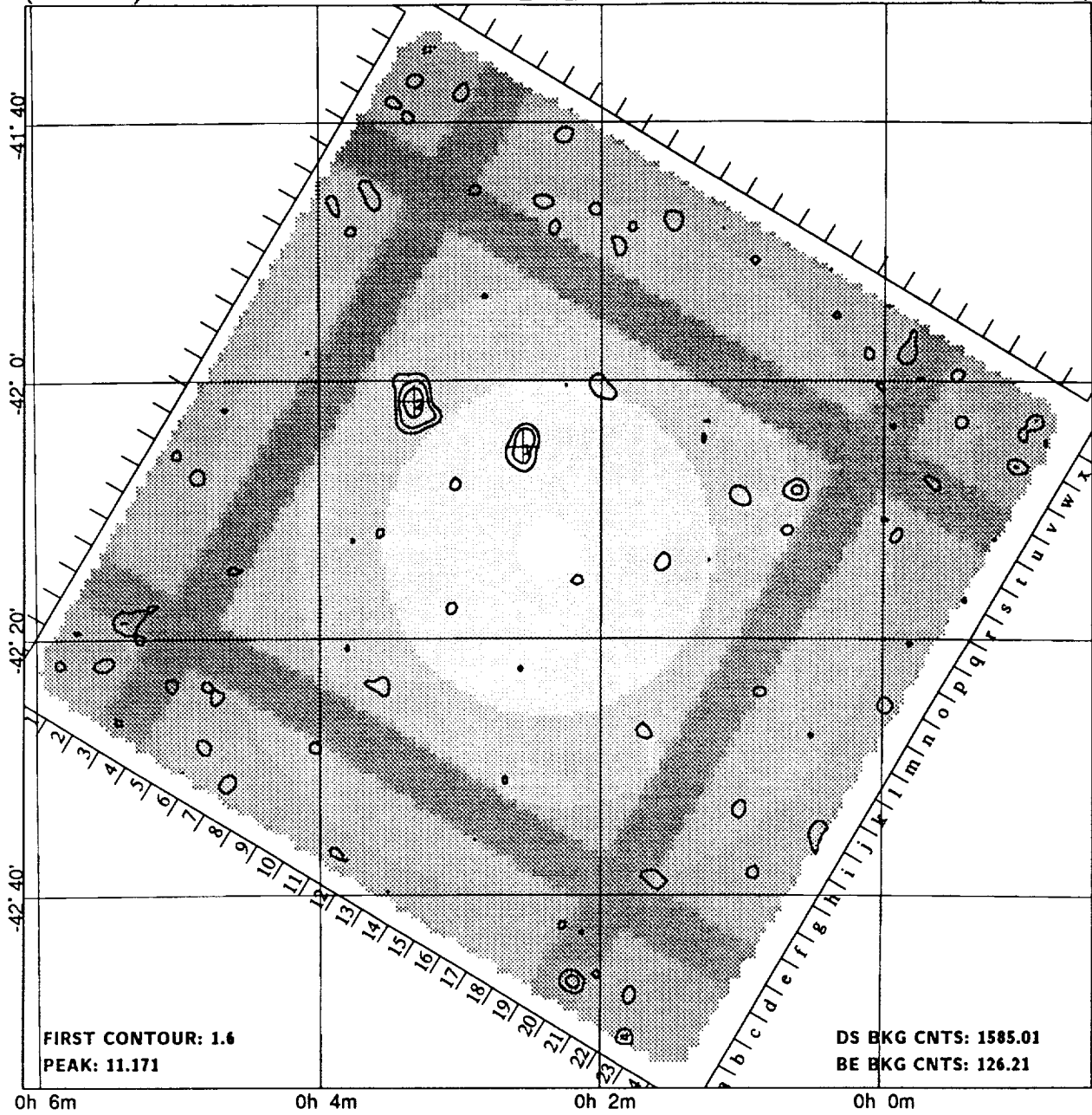
DATE: 1980/168 - 1980/168
LIVETIME: 862.1s
ROLL ANGLE: -69.7°

NH: 4.3E+20
REF/ID:
FIELD FLAGS:

(0h 2m)

I 4247

(0h 2m)



QSO'S FROM 4M SURVEY

FIELD CENTER: 00^h02^m18.0^s -42°12'59" (B1950)
 00^h04^m50.8^s -41°56'17" (J2000)
 l : 332.70 b : -72.39

DATE: 1980/152 - 1980/152
 LIVETIME: 1284.4s
 ROLL ANGLE: -59.2°

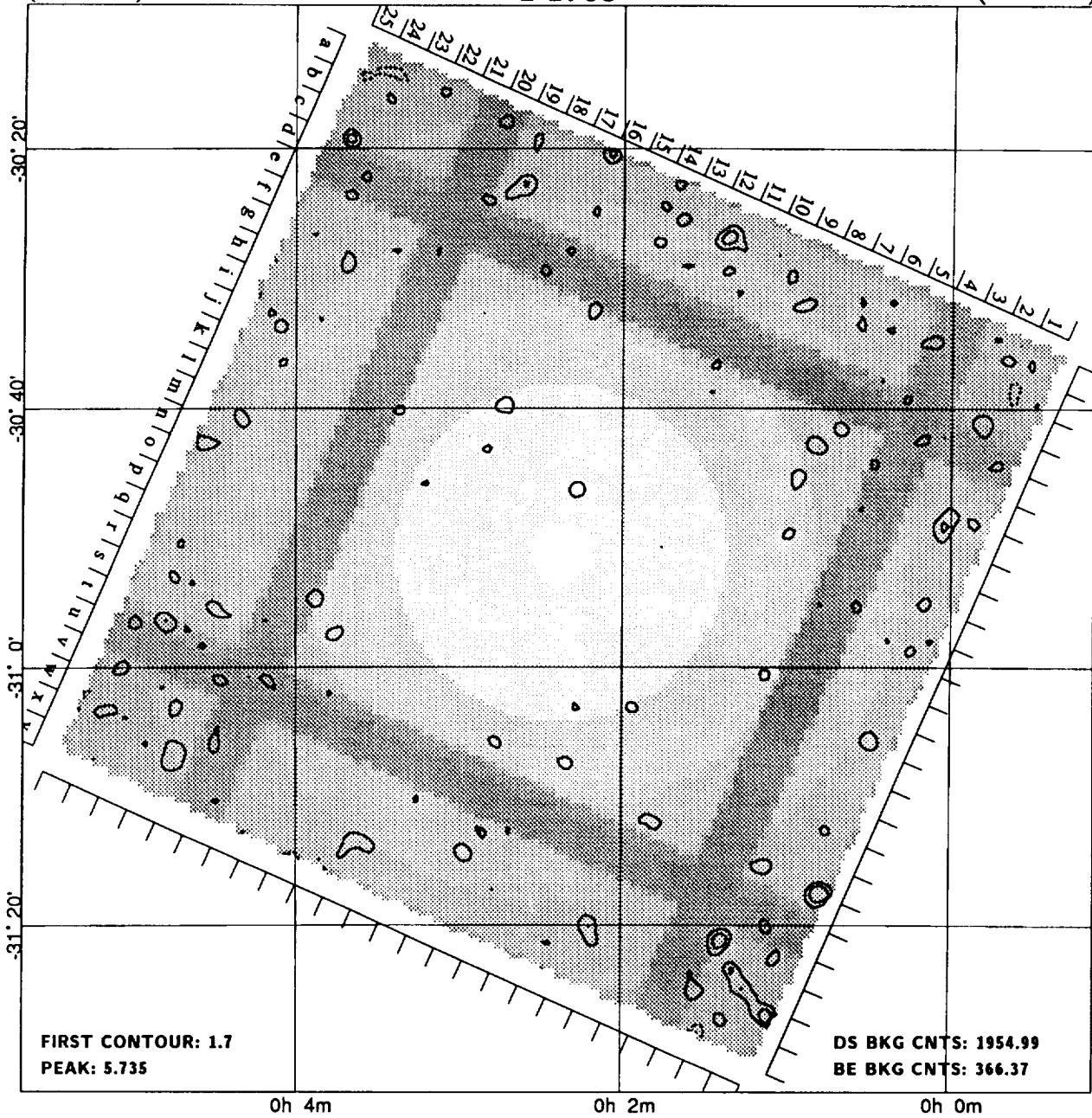
NH: 1.7E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
5	1	00 02 33.4	-42 05 07	43	0.0273 0.0060	24.0	4.0	4.5	0.9	0	8.4	H
10	2	00 03 19.5	-42 01 35	51	0.0398 0.0077	29.7	3.3	5.2	1.2	0	16.2	H

(0h 2m)

I 1768

(0h 2m)



CA0007-306: STUDY, CLUSTERS OF GALAXIES

FIELD CENTER: 00^h02^m24.0^s -30°50'59" (B1950)
 00^h04^m57.1^s -30°34'17" (J2000)
 l : 11.49 b : -79.26

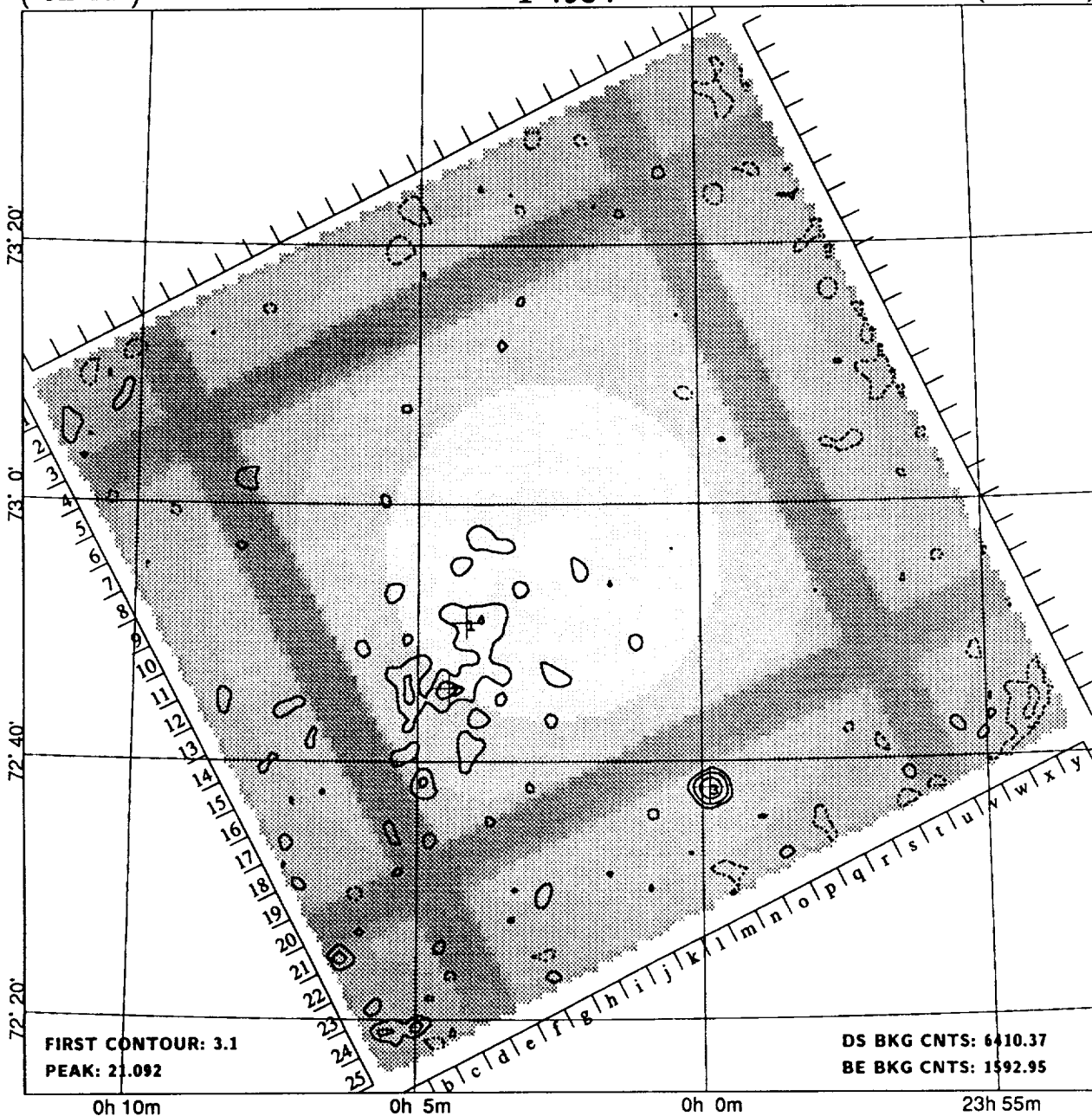
DATE: 1979/350 - 1979/350
 LIVETIME: 1584.2s
 ROLL ANGLE: 113.8°

NH: 1.3E+20
 REF/ID:
 FIELD FLAGS:

(0h 2m)

I 4934

(0h 2m)



EG305: CORONAL EMISSION FROM HE-RICH WHITE DWARFS

FIELD CENTER: $00^h 02^m 28.0^s$ $72^\circ 56' 23''$ (B1950)
 $00^h 05^m 05.4^s$ $73^\circ 13' 05''$ (J2000)
 $l: 119.55$ $b: 10.65$

DATE: 1980/237 - 1980/237
 LIVETIME: 5194.5s
 ROLL ANGLE: -26.8°

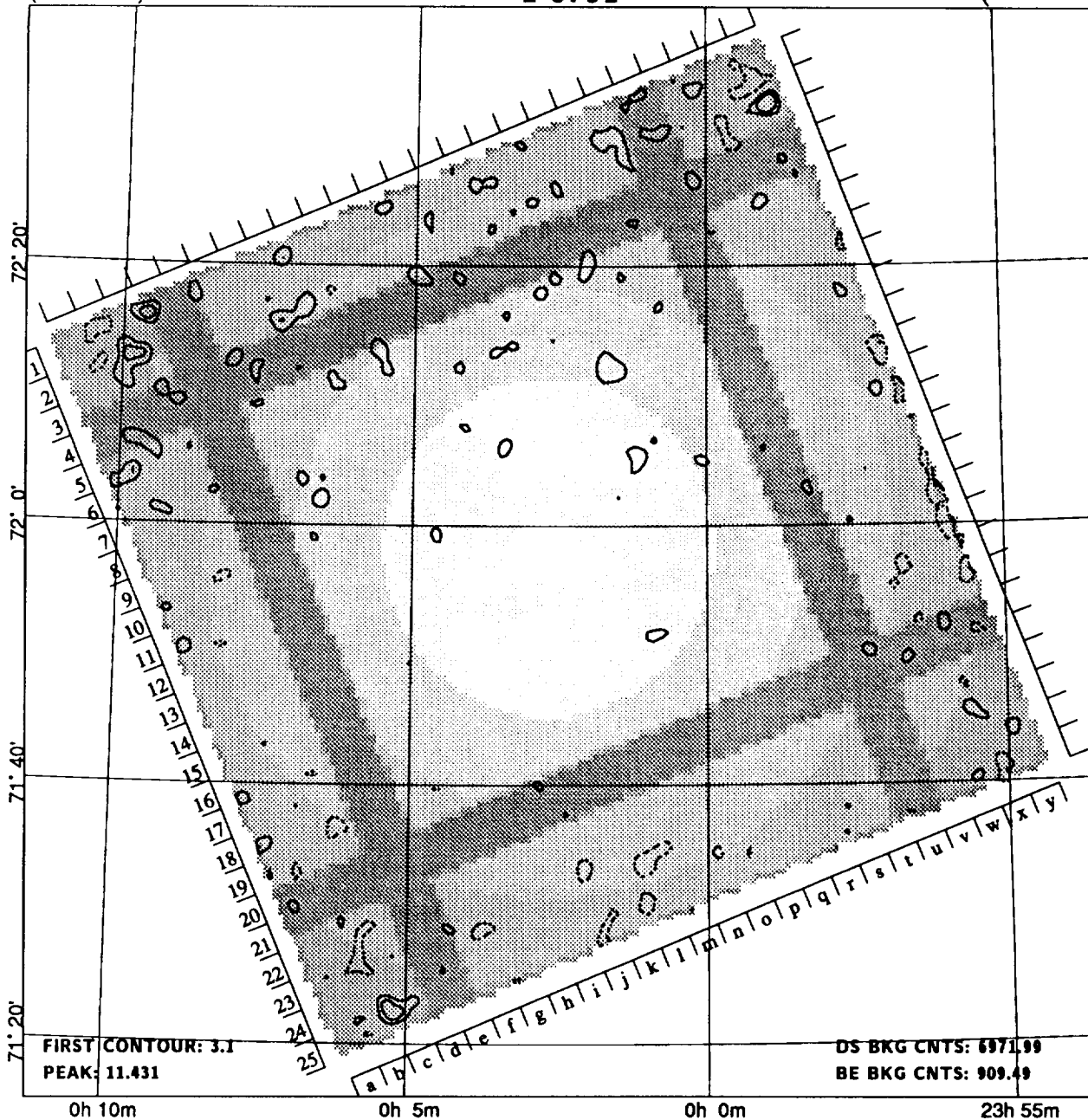
NH: $2.4E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
16	1	00 04 08.8	72 50 52	47	0.0068	0.0019	24.1	20.9	3.6	5.5	0	9.2	H
18	2	00 04 27.1	72 45 45	44	0.0076	0.0020	24.4	17.6	3.8	4.2	0	13.5	AH
4809	3	23 59 51.9	72 37 55	50	0.0202	0.0032	50.2	12.8	6.3	0.9	400	21.6	A

(0h 2m)

I 6791

(0h 2m)



SNR SURVEY: CTA1

FIELD CENTER: 00^h02^m30.0^s 71°57'59" (B1950)
 00^h05^m07.2^s 72°14'41" (J2000)
 ℓ : 119.37 b : 9.69

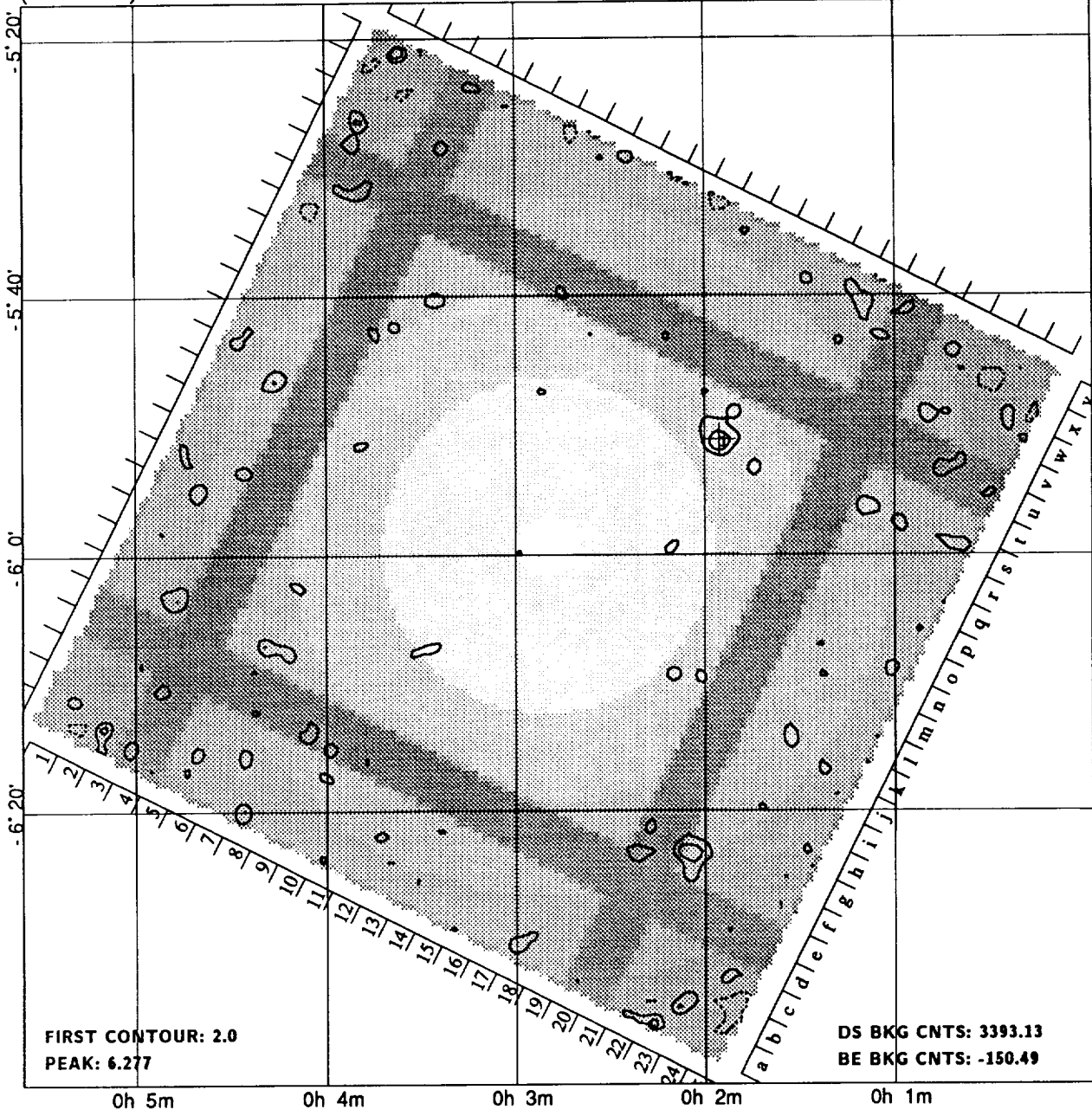
DATE: 1980/238 - 1980/238
 LIVETIME: 5649.6s
 ROLL ANGLE: -22.5°

NH: 2.6E+21
 REF/ID:
 FIELD FLAGS:

(0h 2m)

I 8019

(0h 2m)



FIRST CONTOUR: 2.0
 PEAK: 6.277

DS BKG CNTS: 3393.13
 BE BKG CNTS: -150.49

0h 5m

0h 4m

0h 3m

0h 2m

0h 1m

33 PSC

FIELD CENTER: $00^h 02^m 46.5^s -05^\circ 59' 13''$ (B1950)
 $00^h 05^m 20.1^s -05^\circ 42' 31''$ (J2000)
 $l: 93.75 \quad b: -65.93$

DATE: 1980/173 - 1980/173
 LIVETIME: 2749.6s
 ROLL ANGLE: -63.4°

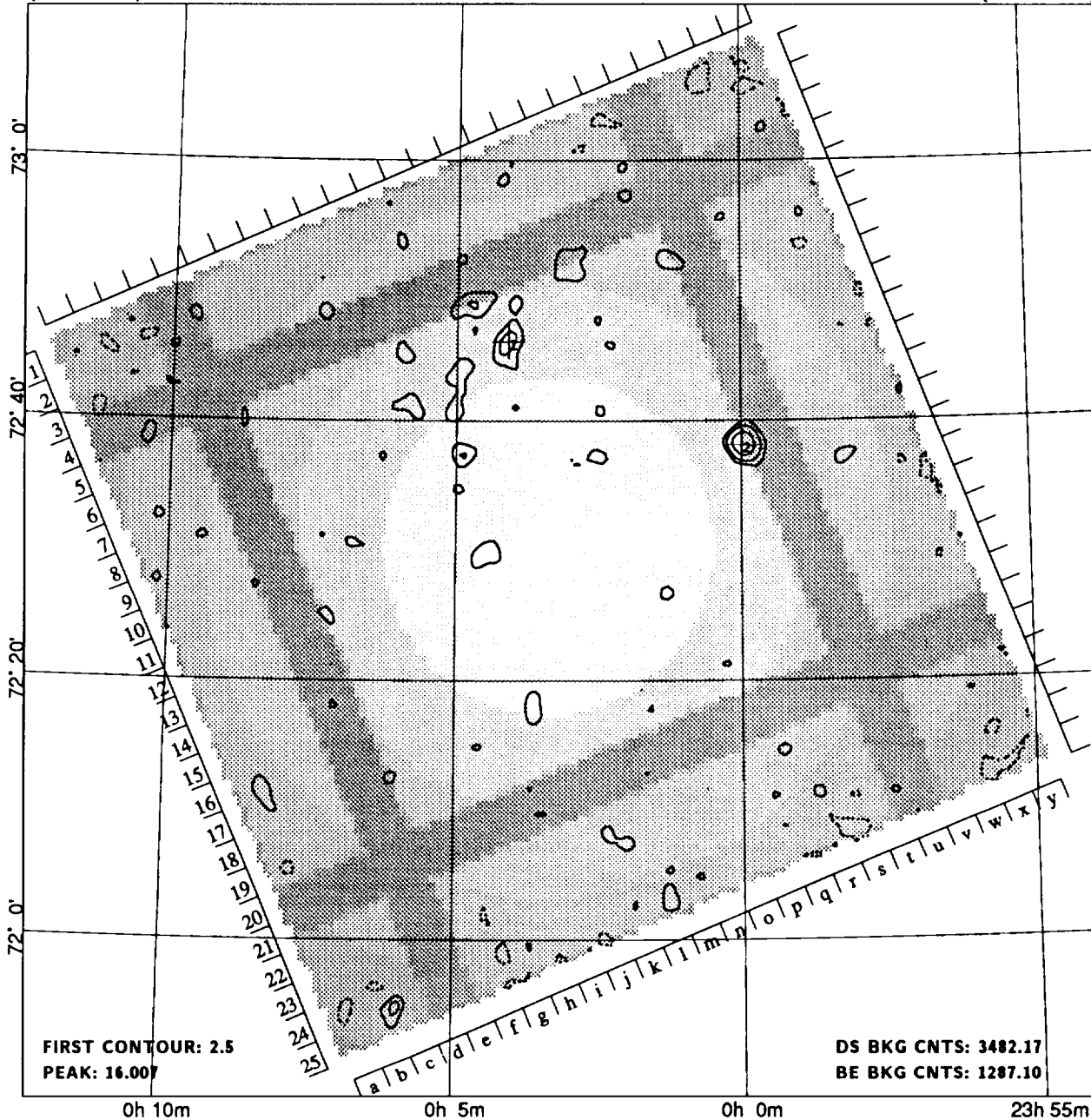
NH: $3.1E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
2	1	00 01 55.3	-05 51 05	55	0.0126	0.0032	19.9	6.1	3.9	0.9	0	15.2	H

(0h 3m)

I 6898

(0h 3m)



4U 0000+72, GALACTIC SOURCE LOCATIONS & SPECTRA I

FIELD CENTER: 00^h03^m12.0^s 72°29'59" (B1950)
 00^h05^m50.0^s 72°46'41" (J2000)
 l : 119.52 b : 10.21

DATE: 1980/238 - 1980/238
 LIVETIME: 2821.7s
 ROLL ANGLE: -22.8°

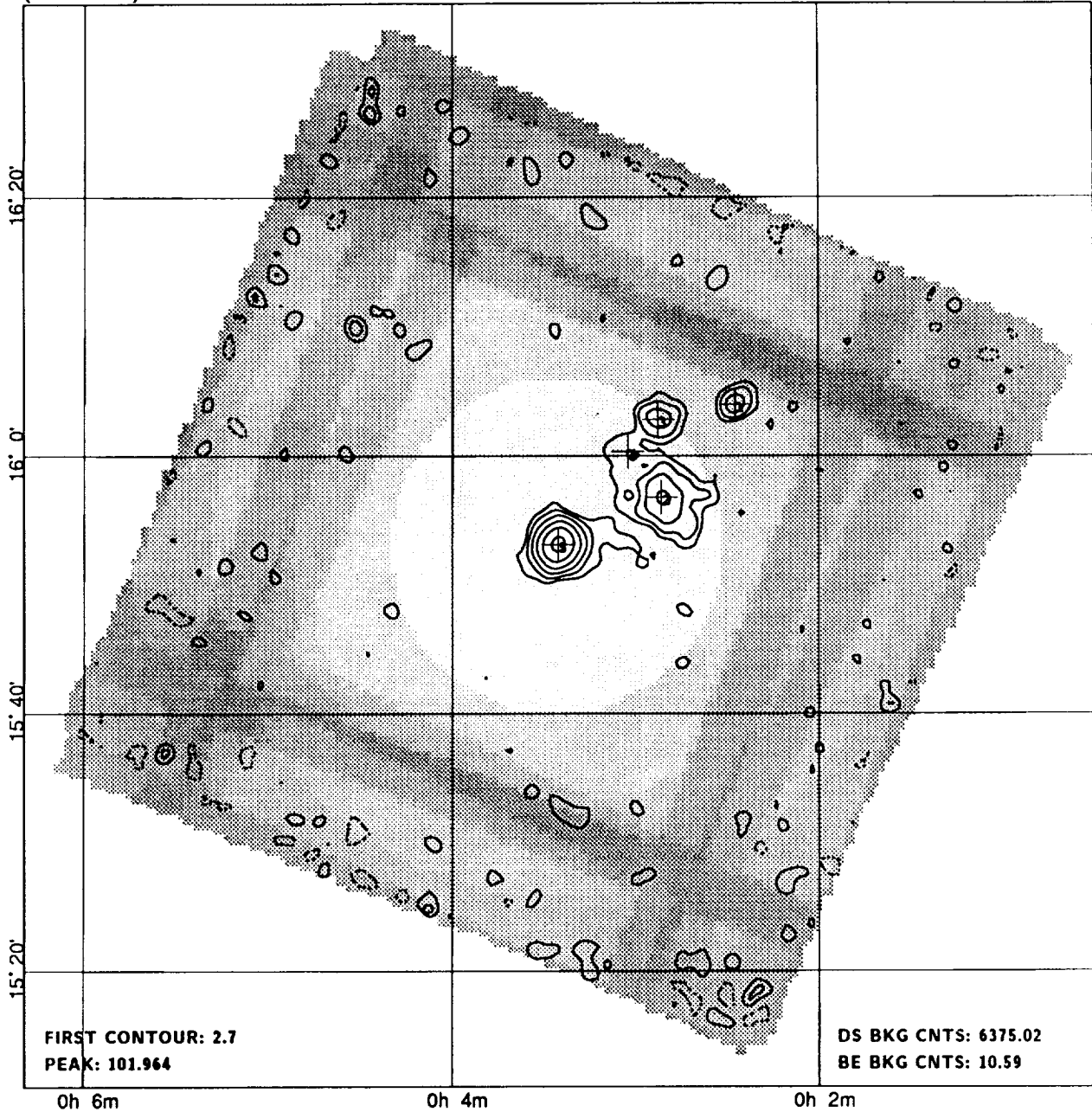
NH: 2.5E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
18	1	00 04 05.6	72 46 03	55	0.0114 0.0032	18.4	8.6	3.5	0.9	0	16.3	A
4809	2	23 59 58.8	72 38 06	50	*0.0305 0.0048	47.9	8.1	6.4	0.9	704	16.6	AH

(0h 3m)

I 5360

(0h 3m)



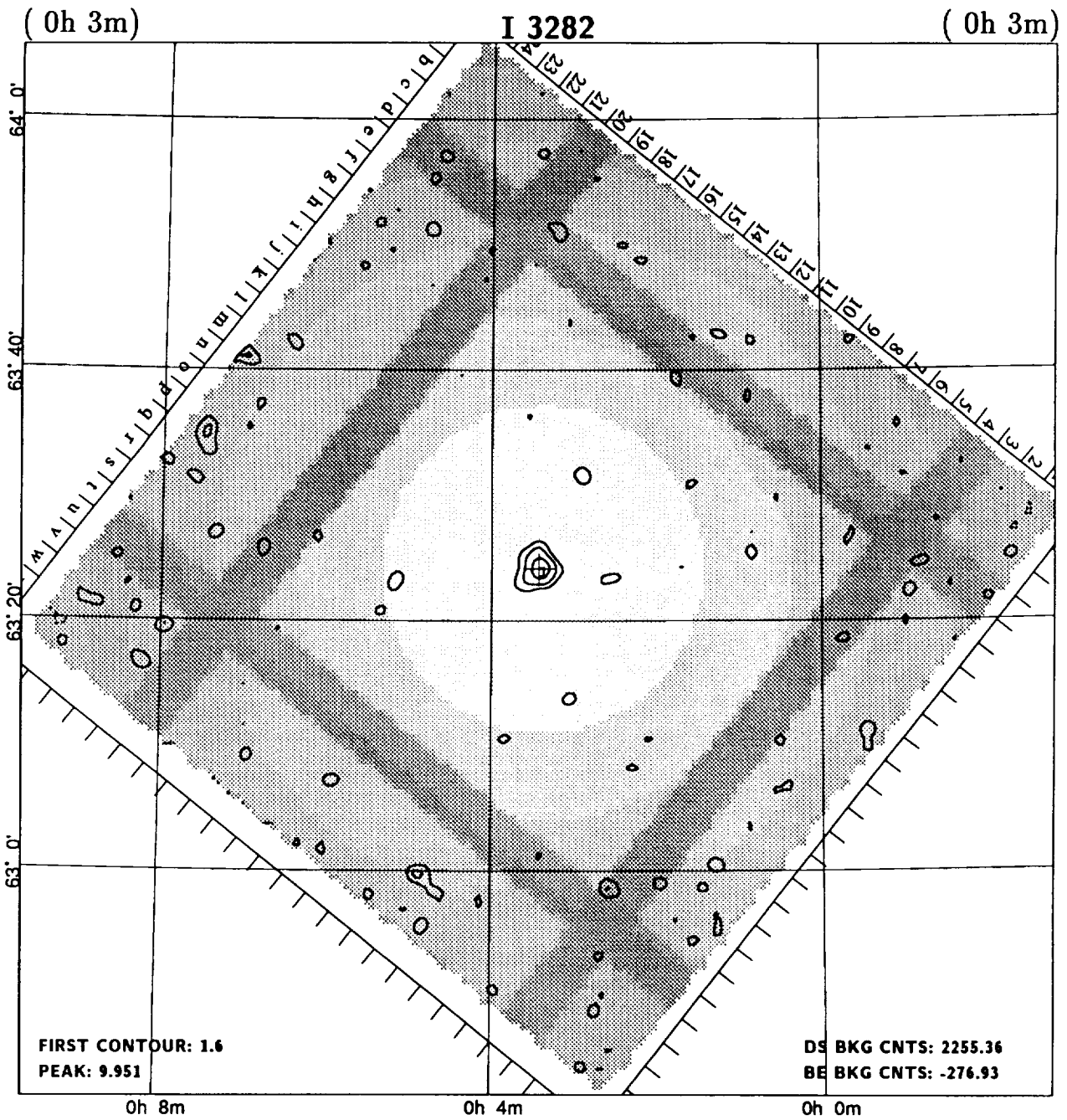
SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: 00^h03^m24.9^s 15°53'02" (B1950)
 00^h05^m59.1^s 16°09'44" (J2000)
 l : 107.32 b : -45.33

DATE: 1980/ 3 - 1980/168
 LIVETIME: 5165.8s

NH: 3.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
4	1	00 02 27.2	16 04 01	50	0.0162 0.0027	46.0	12.0	6.0	0.9	200	17.6	H
6	2	00 02 51.4	15 56 49	38	0.0280 0.0030	98.1	15.9	9.2	3.0	0	8.9	H
7	3	00 02 52.5	16 02 50	41	0.0163 0.0025	53.1	13.9	6.5	5.4	0	12.7	H
9	4	00 03 02.4	16 00 20	46	0.0069 0.0018	24.1	13.9	3.9	12.3	0	9.1	H
12	5	00 03 25.4	15 53 12	31	0.1106 0.0055	426.9	16.1	20.3	1.3	0	0.2	H Q



CANDIDATE X-RAY BINARY SOURCES: HD 108

FIELD CENTER: $00^{\text{h}}03^{\text{m}}27.0^{\text{s}}$ $63^{\circ}24'05''$ (B1950)
 $00^{\text{h}}06^{\text{m}}03.6^{\text{s}}$ $63^{\circ}40'47''$ (J2000)
 $l: 117.93$ $b: 1.25$

DATE: 1979/ 23 - 1979/ 23
 LIVETIME: 1827.6s
 ROLL ANGLE: 128.3°

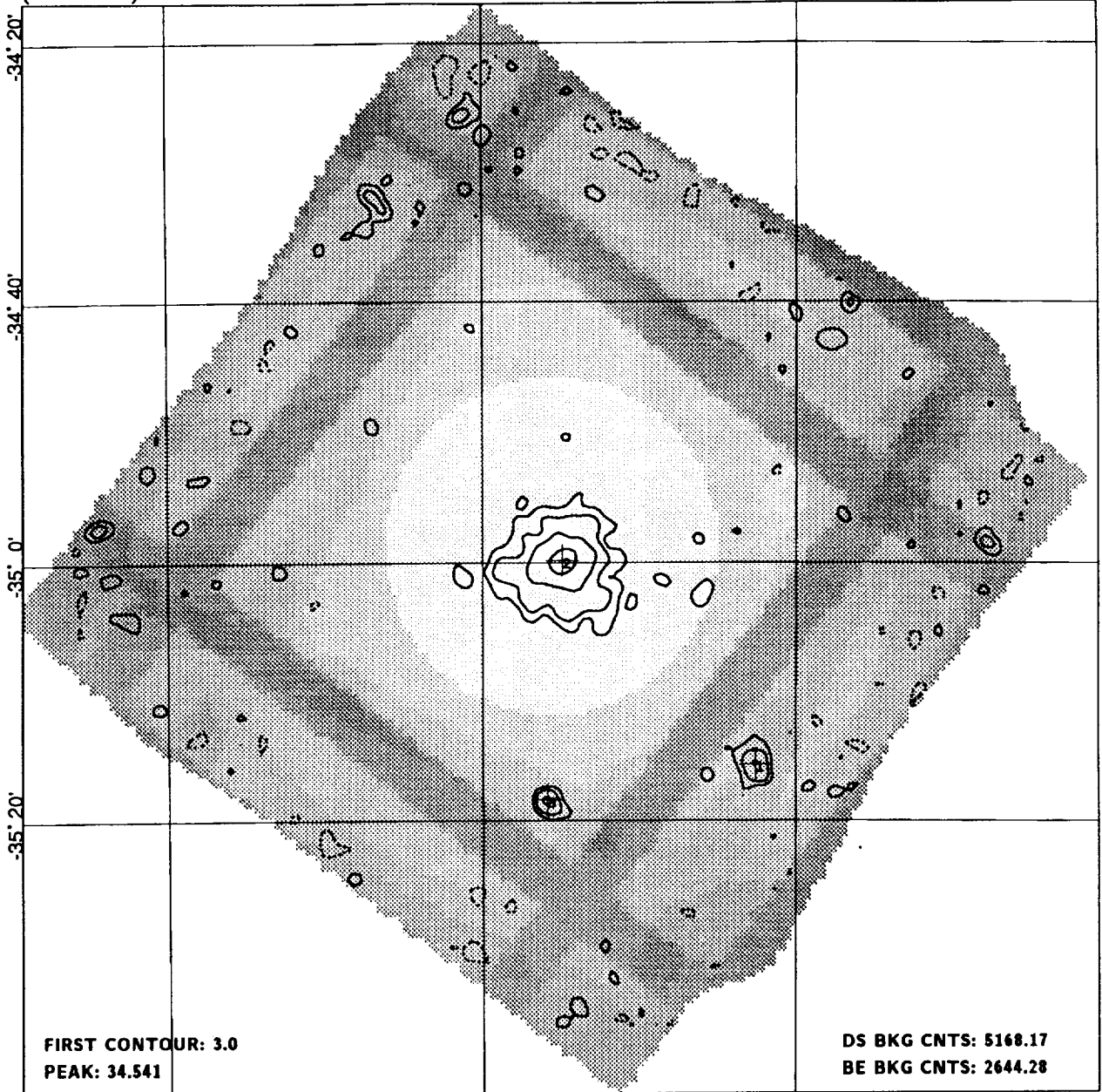
NH: $7.1\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
11	1	00 03 25.3	63 24 08	35	0.0282	0.0048	38.4	4.6	5.9	1.1	0	0.4	H	S

(0h 3m)

I 4517

(0h 3m)



0h 6m

0h 4m

0h 2m

RICH CLUSTER 0004.8-3450

FIELD CENTER: 00^h03^m30.0^s -34°58'59" (B1950)
 00^h06^m02.8^s -34°42'17" (J2000)
 l : 352.22 b : -77.68

DATE: 1979/342 - 1980/145
 LIVETIME: 4187.9s

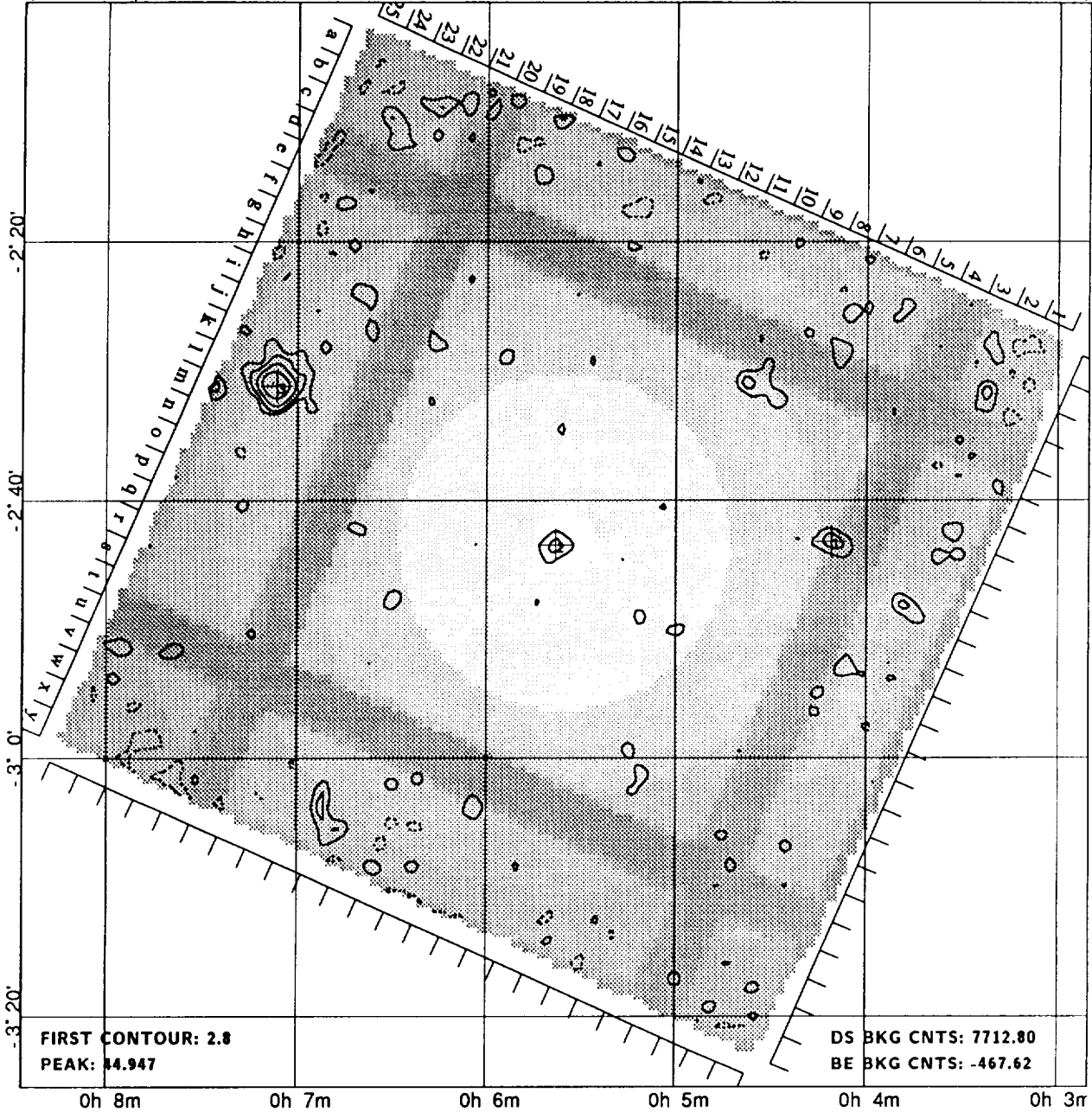
NH: 1.1E+20
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
3	1L	00 02 15.5	-35 15 39	51	0.0186 0.0043	35.9	13.1	4.2	1.0	0	22.6	
13	2L	00 03 29.5	-34 59 50	31	0.0221 0.0054	69.0	109.0	4.0	3.8	0	1.0	
14	3L	00 03 35.3	-35 18 22	51	0.0154 0.0036	33.4	11.6	4.1	0.8	0	19.4	

(0h 5m)

I 9062

(0h 5m)



CORONAL ACTIVITY IN F,G, & K STARS: HD 352

FIELD CENTER: 00^h05^m38.4^s -02°43'33" (B1950)
 00^h08^m12.1^s -02°26'52" (J2000)
l: 98.34 *b*: -63.24

DATE: 1980/348 - 1980/348
 LIVETIME: 6249.9s
 ROLL ANGLE: 113.9°

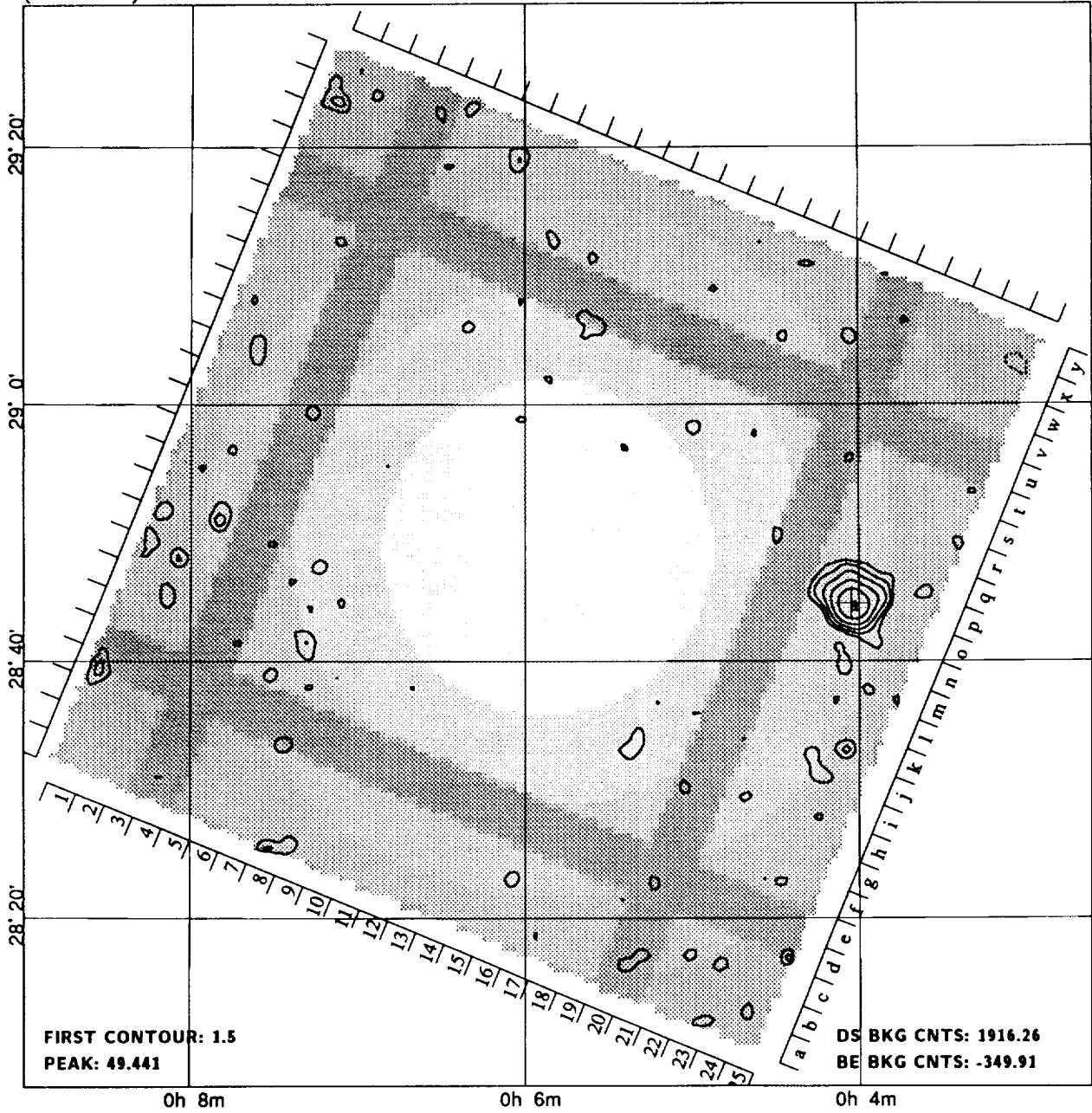
NH: 3.4E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
17	1	00 04 11.0	-02 43 10	55	*0.0065	0.0018	20.0	12.0	3.5	0.7	805	21.7	H
19	2	00 05 38.0	-02 43 25	36	0.0056	0.0014	26.2	17.8	3.9	0.7	0	0.4	H
22	3	00 07 06.5	-02 31 08	48	0.0359	0.0040	93.7	13.3	9.1	1.2	0	25.3	H

(0h 5m)

I 2225

(0h 5m)



STELLAR SURVEY-EARLY TYPE STARS: HD358=ALPHA AND

FIELD CENTER: $00^h 05^m 48.0^s$ $28^\circ 48' 59''$ (B1950)
 $00^h 08^m 22.9^s$ $29^\circ 05' 41''$ (J2000)
 $l: 111.73$ $b: -32.84$

DATE: 1979/178 - 1979/178
 LIVETIME: 1552.8s
 ROLL ANGLE: -67.7°

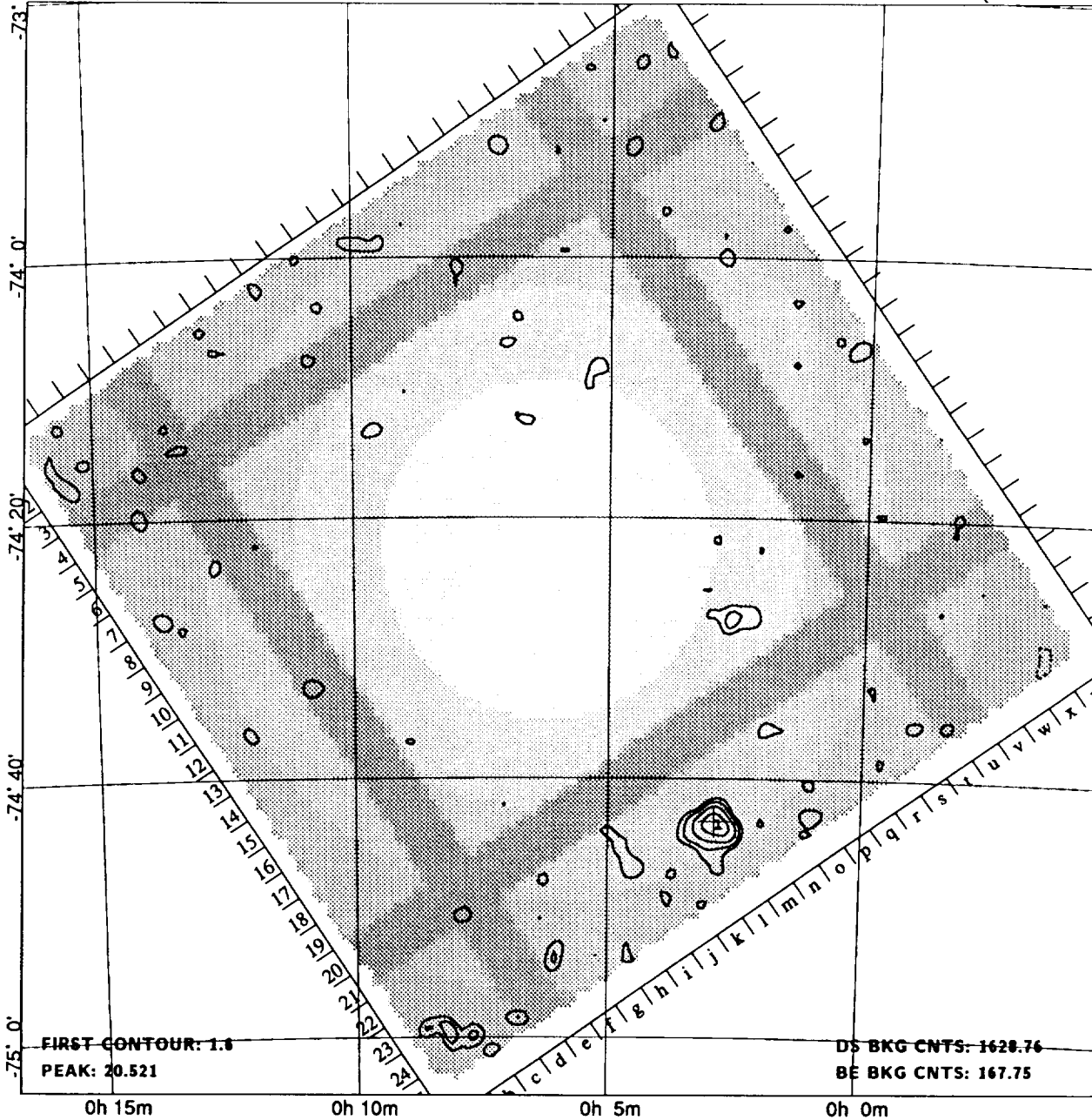
NH: $4.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
15	1	00 04 02.8	28 44 34	48	0.192	0.017	131.7	2.3	11.4	1.4	0	23.5	H	S

(0h 5m)

I 614

(0h 5m)



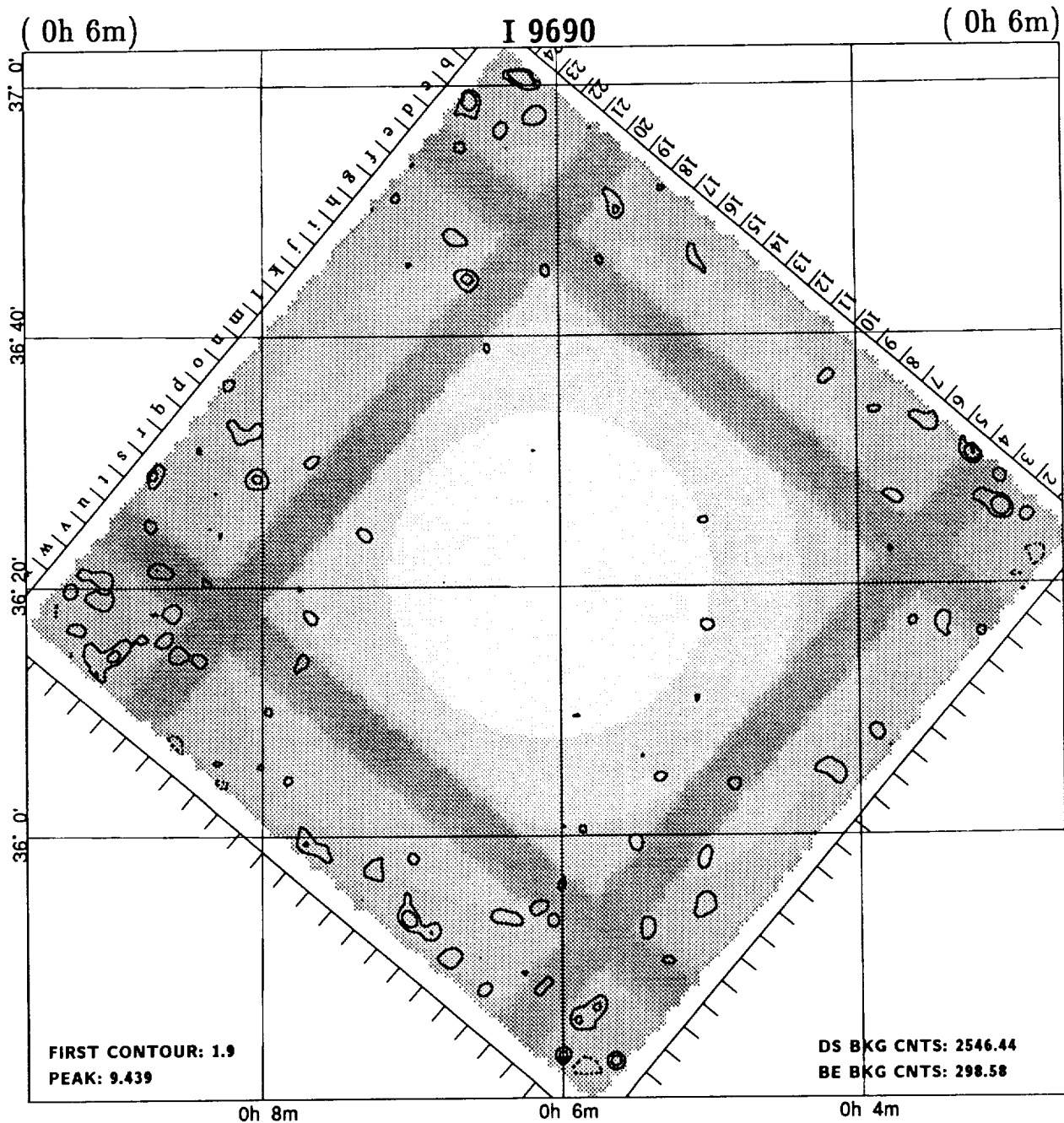
SMC SURVEY

FIELD CENTER: $00^h 05^m 59.8^s$ $-74^\circ 22' 35''$ (B1950)
 $00^h 08^m 26.1^s$ $-74^\circ 05' 53''$ (J2000)
 $l: 306.92$ $b: -42.70$

DATE: 1979/120 - 1979/120
 LIVETIME: 1319.8s
 ROLL ANGLE: -34.3°

NH: $5.0E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
8	1	00 02 53.6	-74 43 21	50	0.089	0.013	50.8	3.2	6.9	1.2	0	24.2	H	*



FIELD CENTER: 00^h06^m06.1^s 36°21'00" (B1950)
 00^h08^m41.5^s 36°37'42" (J2000)
 l : 113.45 b : -25.45

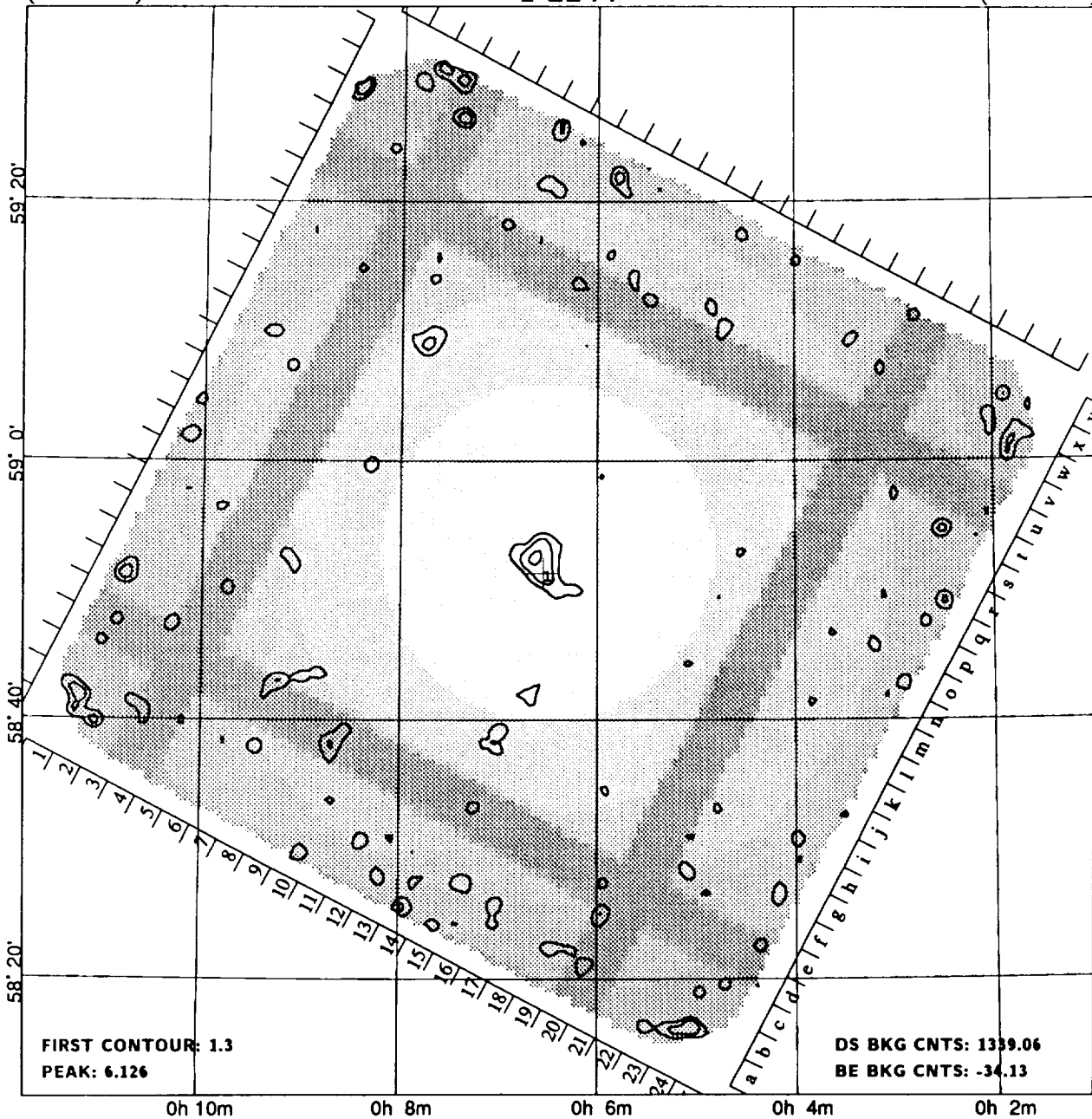
DATE: 1981/ 29 - 1981/ 29
LIVETIME: 2063.4s
ROLL ANGLE: 130.3°

NH: 6.4E+20
REF/ID:
FIELD FLAGS:

(0h 6m)

I 2244

(0h 6m)



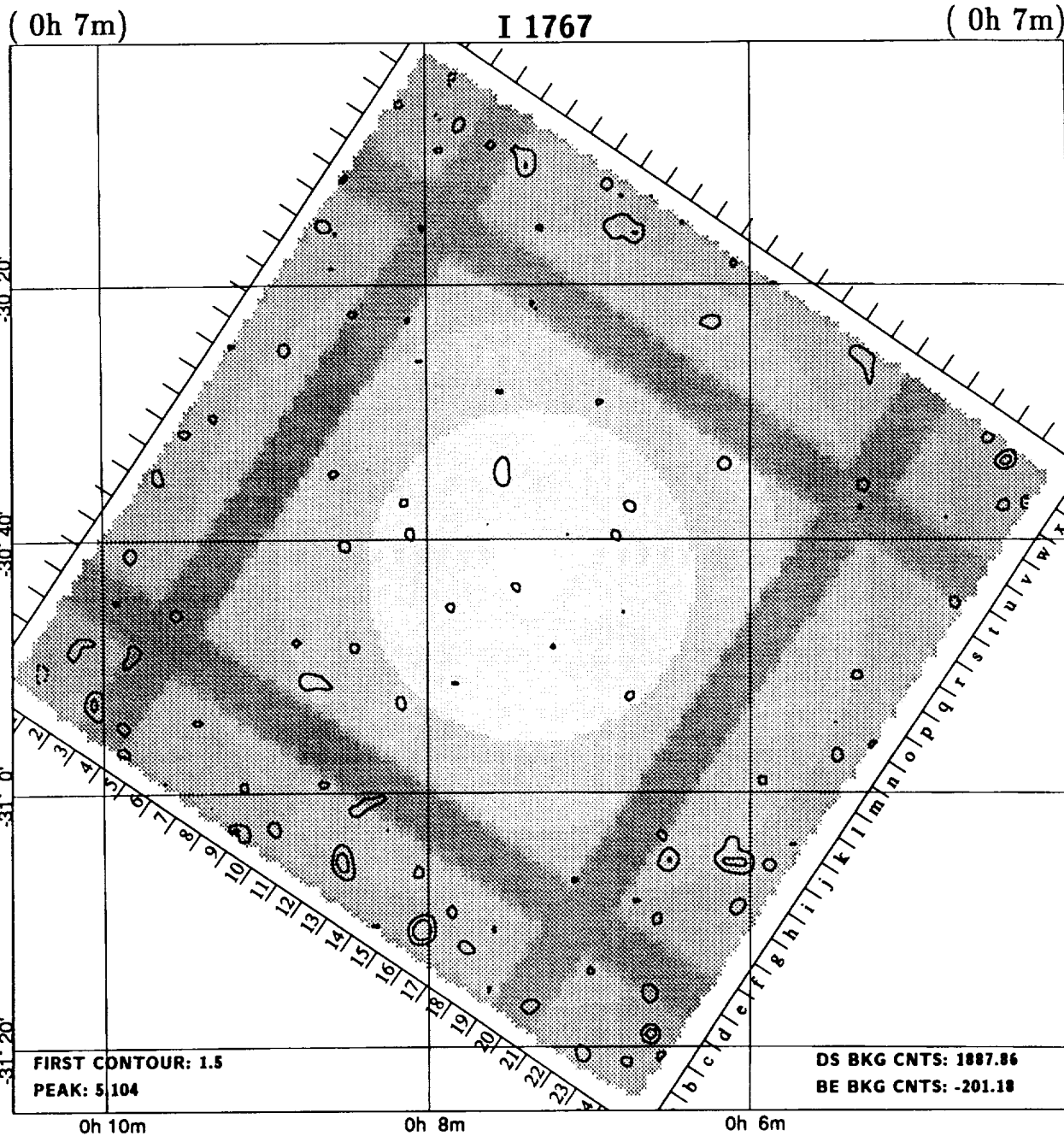
STELLAR SURVEY-LATE TYPE STARS: HD432=BETA CAS

FIELD CENTER: 00^h06^m24.0^s 58°52'59" (B1950)
 00^h09^m01.5^s 59°09'41" (J2000)
 l : 117.51 b : -3.26

DATE: 1979/193 - 1979/193
 LIVETIME: 1085.1s
 ROLL ANGLE: -62.5°

NH: 4.8E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
20	1	00 06 32.9	58 51 21	41	0.0266	0.0062	21.4	3.6	4.3	1.4	0	1.7	H



FIELD CENTER: $00^h 07^m 18.0^s$ $-30^\circ 42' 59''$ (B1950)
 $00^h 09^m 50.3^s$ $-30^\circ 26' 18''$ (J2000)
 $l: 10.52$ $b: -80.31$

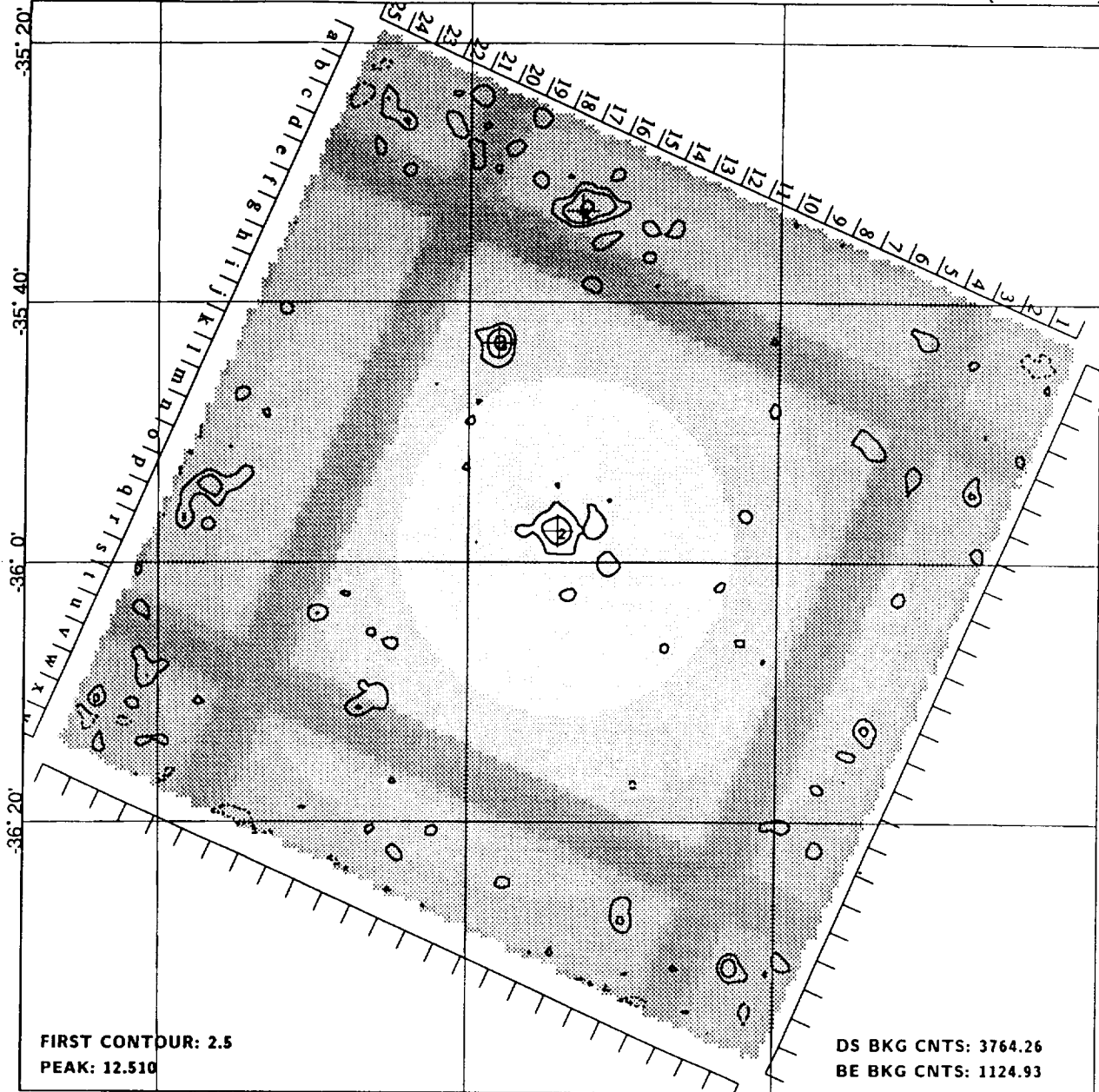
DATE: 1979/145 - 1979/145
LIVETIME: 1529.8s
ROLL ANGLE: -56.1°

NH: $1.4E+20$
REF/ID:
FIELD FLAGS:

(0h 7m)

I 4518

(0h 7m)



RICH CLUSTER 0008.7-3550

FIELD CENTER: 00^h07^m24.0^s -35°58'59" (B1950)
 00^h09^m55.9^s -35°42'17" (J2000)
 l : 346.23 b : -77.69

DATE: 1979/349 - 1979/350
 LIVETIME: 3050.3s
 ROLL ANGLE: 114.1°

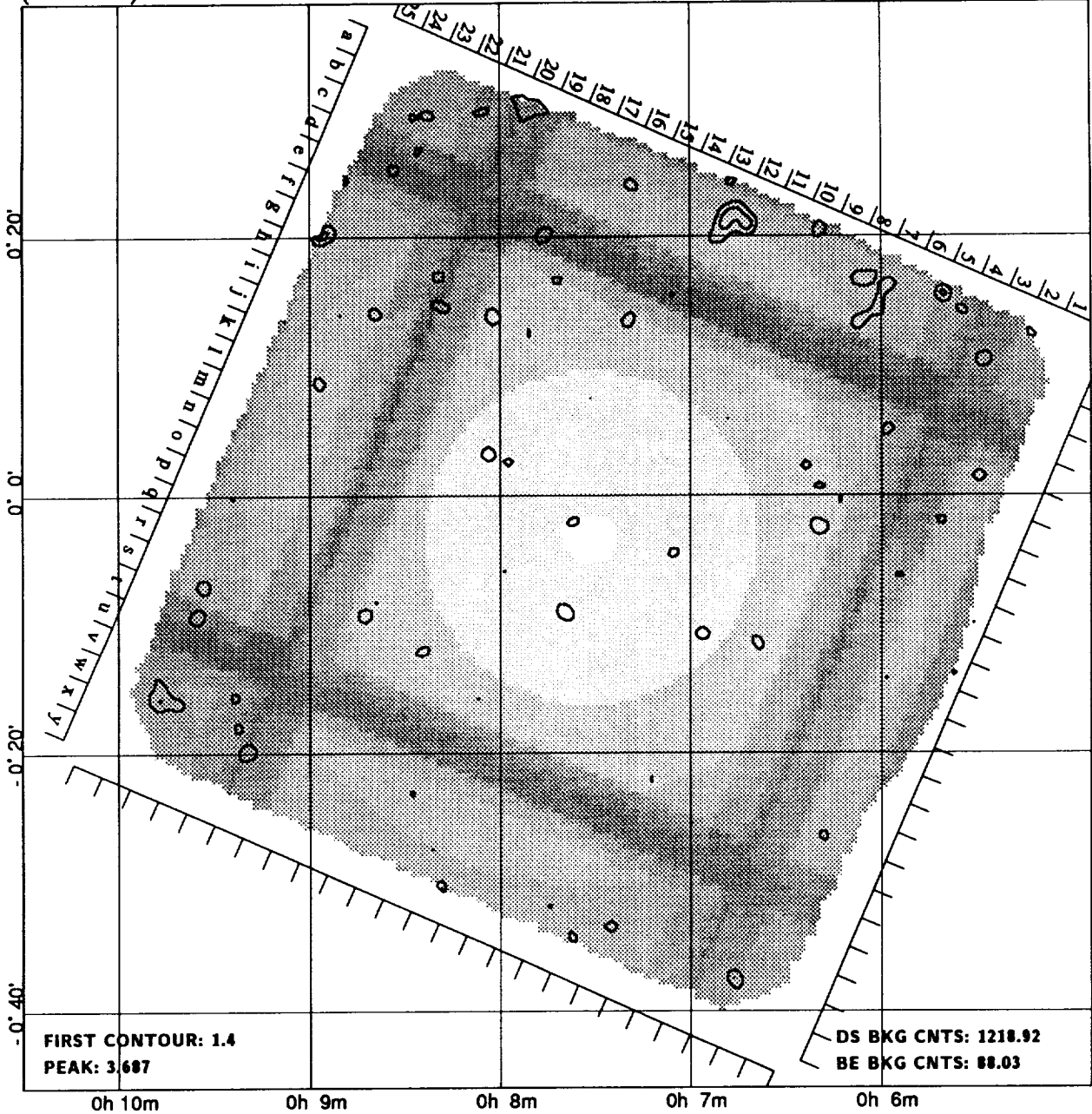
NH: 1.2E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
23	1	00 07 16.7	-35 32 55	52	0.0219	0.0047	27.8	8.2	4.6	1.3	100	26.6	H	
24	2	00 07 25.3	-35 57 32	36	0.0158	0.0031	35.7	14.3	5.0	1.5	0	1.2	H	
28	3	00 07 48.6	-35 43 10	51	0.0179	0.0037	31.0	9.0	4.9	0.9	0	16.4	H	

(0h 7m)

I 8450

(0h 7m)



OPTICALLY SELECTED QSO'S: MCS 208

FIELD CENTER: $00^h 07^m 42.0^s$ $-00^\circ 03' 59''$ (B1950)
 $00^h 10^m 15.8^s$ $00^\circ 12' 41''$ (J2000)
 $l: 101.36$ $b: -60.92$

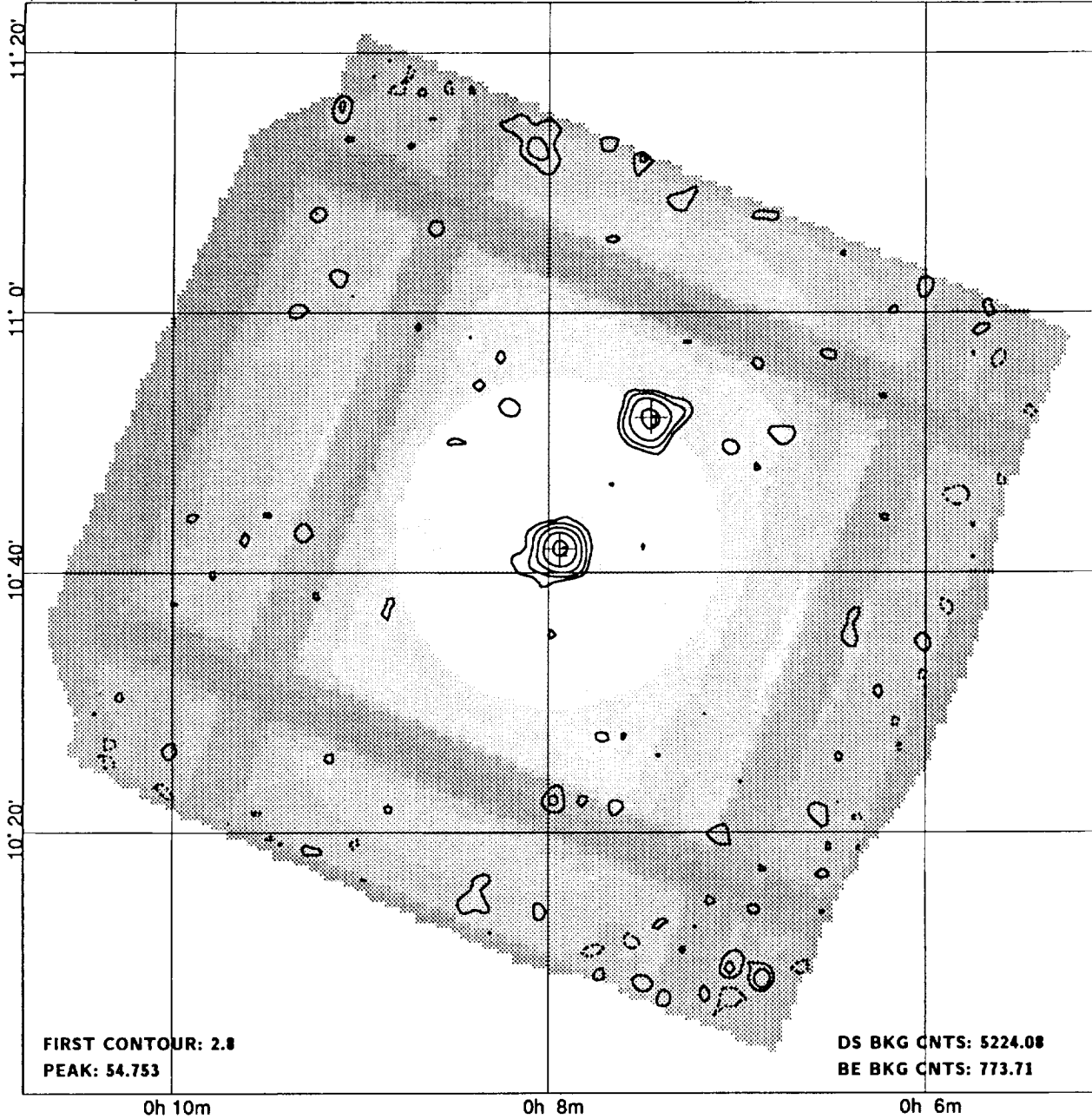
DATE: 1980/349 - 1980/349
 LIVETIME: 987.7s
 ROLL ANGLE: 113.5°

NH: $3.1E+20$
 REF/ID:
 FIELD FLAGS:

(0h 7m)

I 10125

(0h 7m)



III ZW2,OBS OF VARIABLE TYPE I SEYFERTS

FIELD CENTER: 00^h07^m56.7^s 10°41'48" (B1950)
 00^h10^m31.0^s 10°58'30" (J2000)
 $l: 106.98$ $b: -50.62$

DATE: 1980/354 - 1980/355
 LIVETIME: 4233.2s

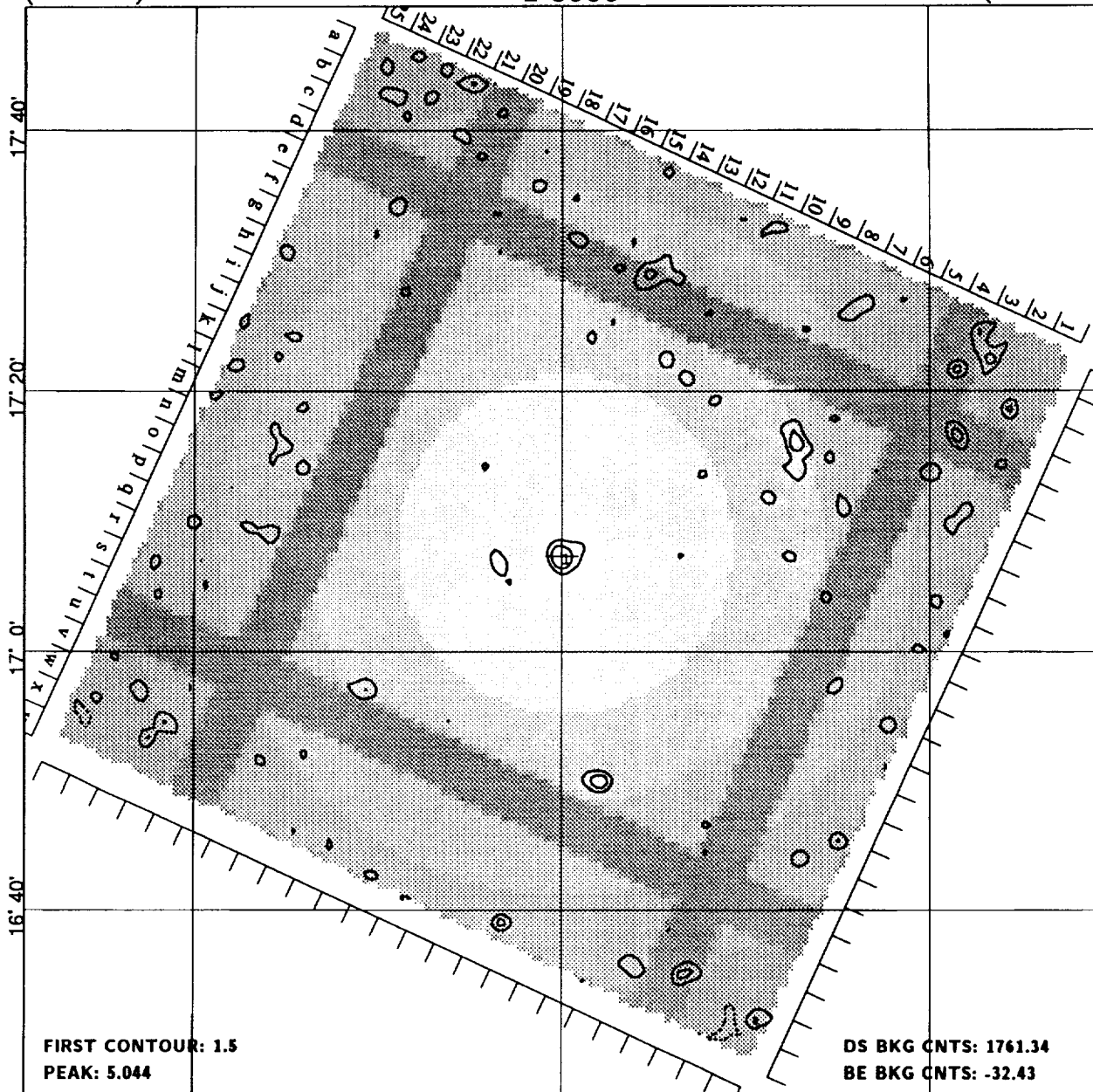
NH: 5.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
25	1	00 07 27.2	10 52 01	38	0.0410	0.0041	111.3	12.7	10.0	1.4	0	12.2	AH	
29	2	00 07 56.4	10 41 51	31	0.0754	0.0050	238.2	15.8	14.9	1.3	0	0.2	AH	*

(0h 7m)

I 3999

(0h 7m)



0007+171, OPTICALLY-QUIET COMPACT RADIO SOURCE

FIELD CENTER: 00^h07^m59.4^s 17°07'37" (B1950)
 00^h10^m34.0^s 17°24'19" (J2000)
 l : 109.23 b : -44.38

DATE: 1980/ 1 - 1980/ 1
 LIVETIME: 1427.3s
 ROLL ANGLE: 114.7°

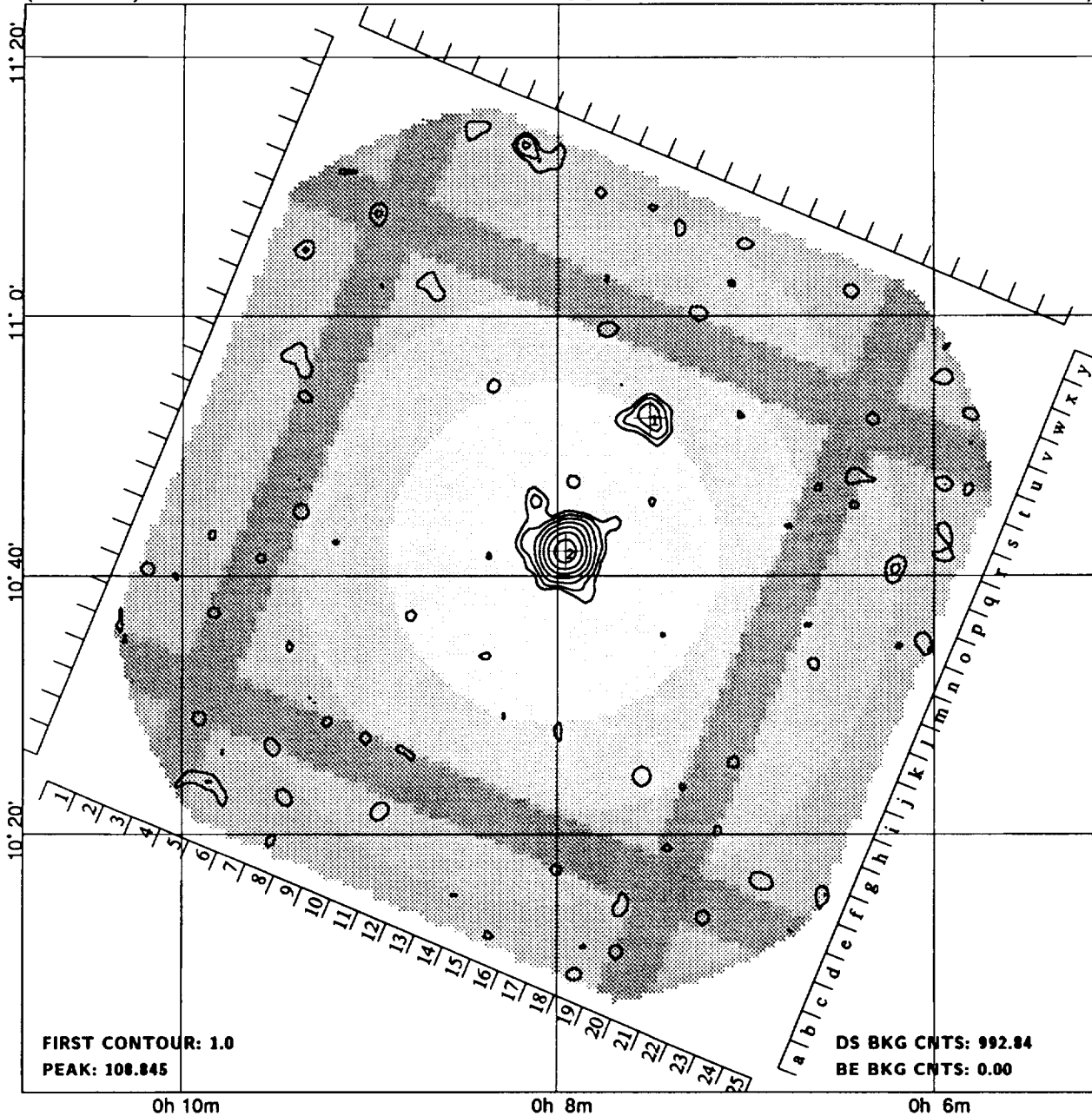
NH: 3.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID FLG
30	1	00 08 00.1	17 07 20	37	0.0187	0.0046	19.8	4.2	4.1	0.8	0	0.2		

(0h 8m)

I 2634

(0h 8m)



SEYFERT GALAXY SURVEY: III ZW2

FIELD CENTER: $00^h 08^m 00.0^s$ $10^\circ 41' 59''$ (B1950)
 $00^h 10^m 34.3^s$ $10^\circ 58' 41''$ (J2000)
 $l: 107.00$ $b: -50.63$

DATE: 1979/172 - 1979/172
 LIVETIME: 804.5s
 ROLL ANGLE: -67.4°

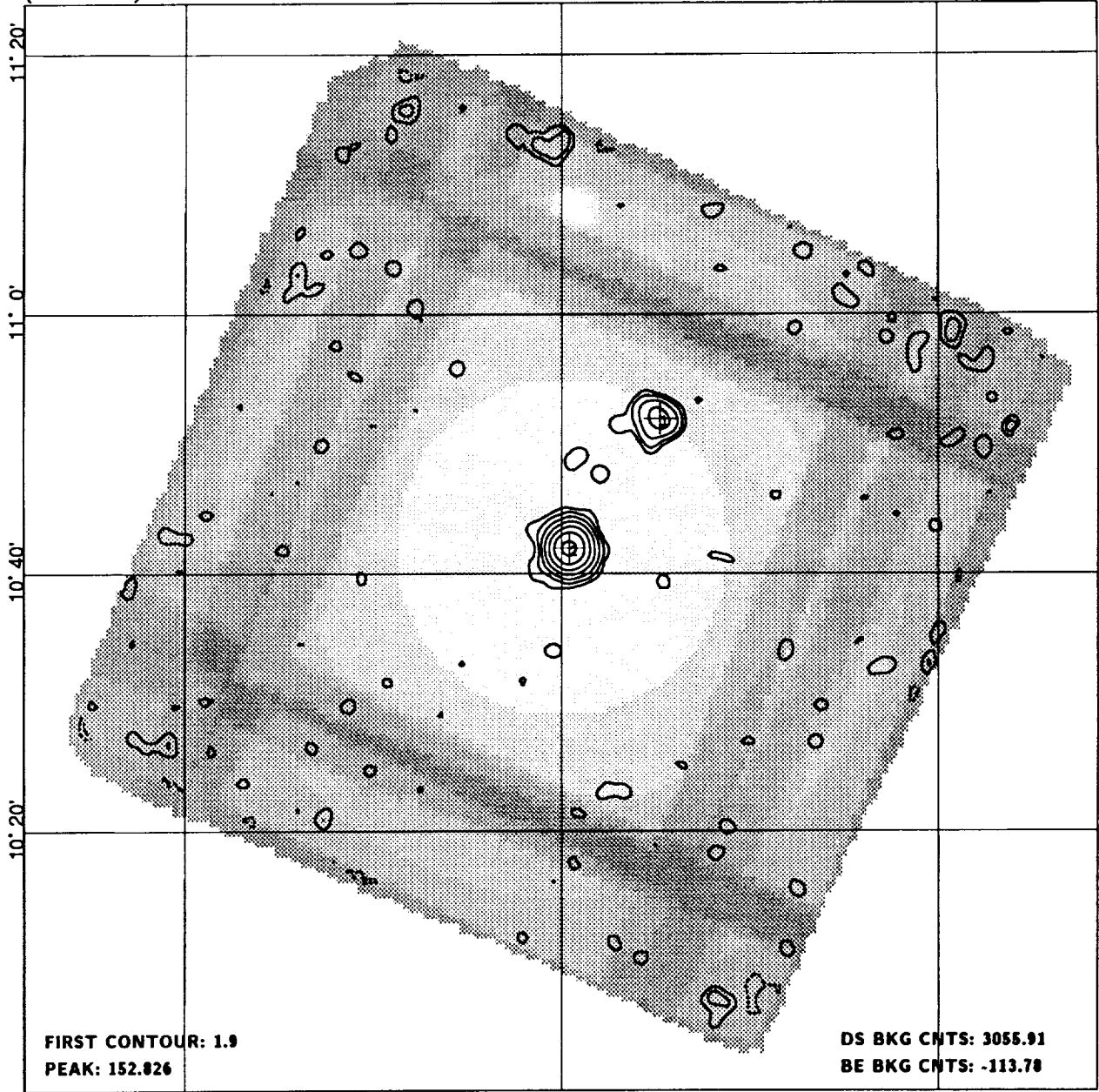
NH: $5.9E+20$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
25	1L	00 07 30.4	10 52 08	42	0.046	0.012	23.2	2.8	3.9	1.0	0	12.4	A	
29	2L	00 07 57.4	10 41 56	31	0.699	0.040	417.5	28.5	17.5	1.2	0	0.6	A	*

(0h 8m)

I 6718

(0h 8m)



SEYFERT VARIABILITY: III ZW 2

FIELD CENTER: 00^h08^m00.0^s 10°41'59" (B1950)
 00^h10^m34.3^s 10°58'41" (J2000)
 l : 107.00 b : -50.63

DATE: 1990/ 9 - 1980/168
 LIVETIME: 2476.3s

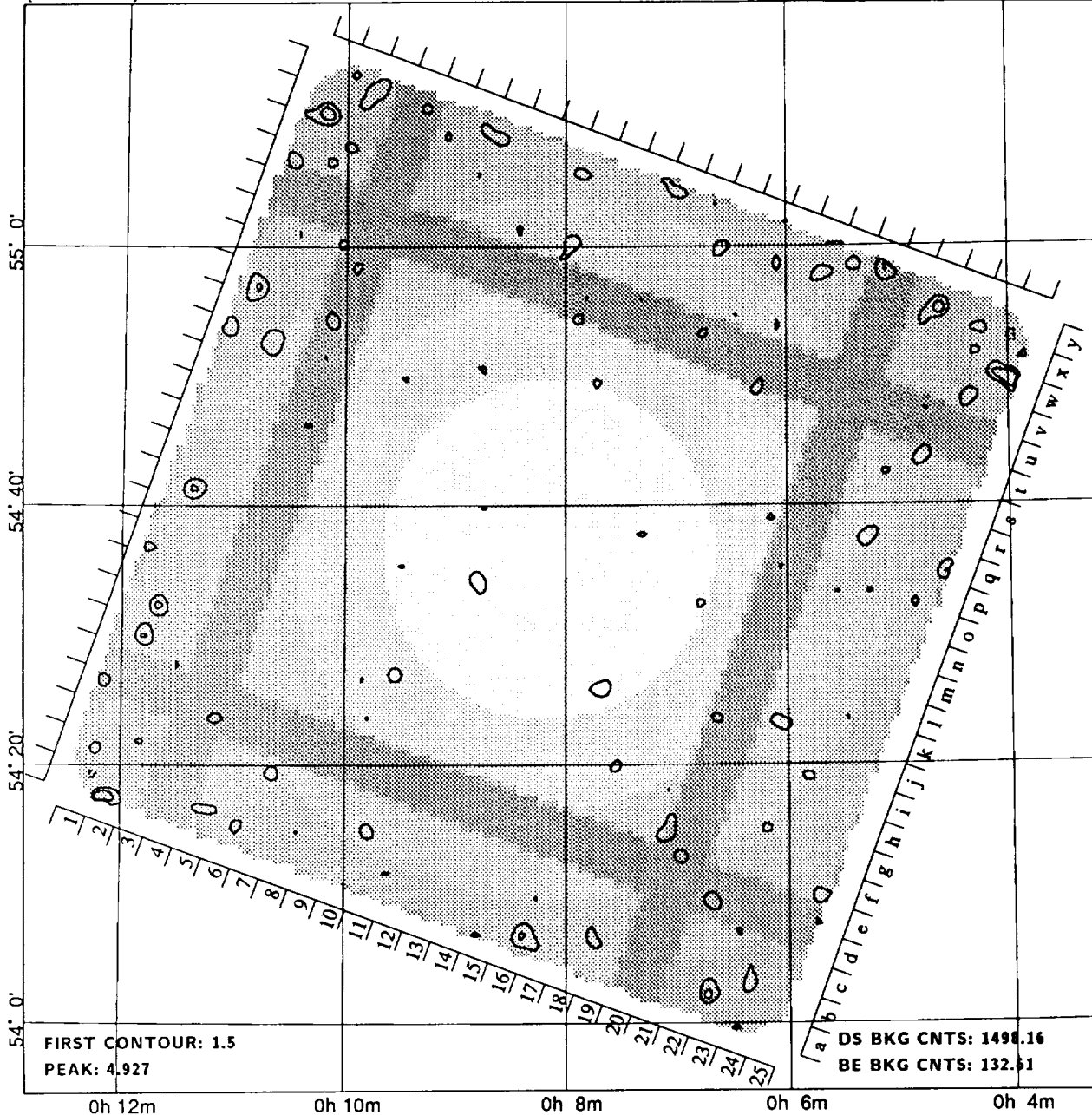
NH: 5.9E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
25	1	00 07 28.6	10 51 57	38	0.0540	0.0061	84.7	6.3	8.9	1.3	0	12.6	AH	
29	2	00 07 57.6	10 41 58	31	0.329	0.013	609.7	7.3	24.5	1.2	0	0.7	AH	*

(0h 8m)

I 5050

(0h 8m)



FIRST CONTOUR: 1.5
 PEAK: 4.927

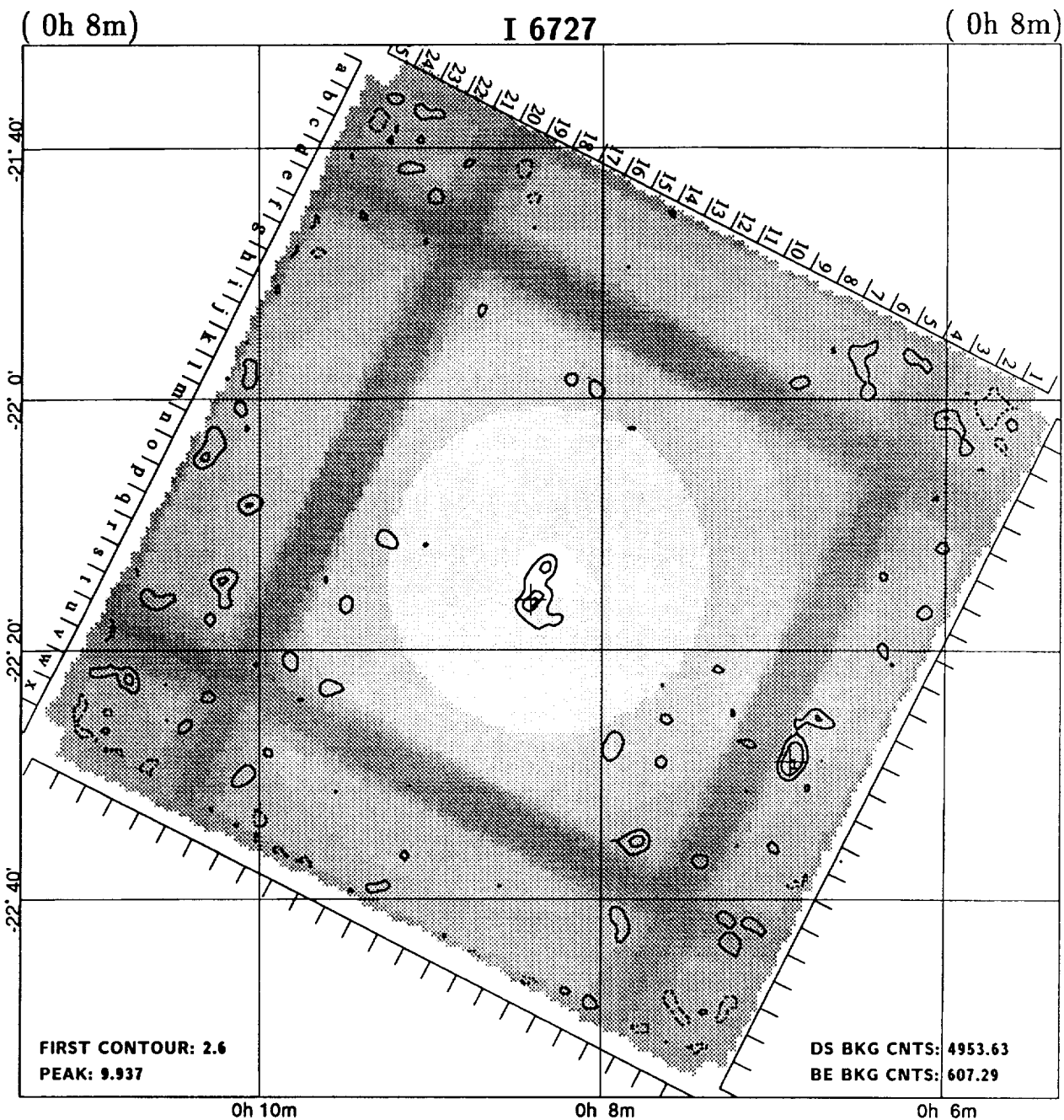
DS BKG CNTS: 1498.16
 BE BKG CNTS: 132.61

SX CAS, ACTIVE CLOSE BINARY STARS

FIELD CENTER: 00^h08^m04.0^s 54°36'47" (B1950)
 00^h10^m41.6^s 54°53'28" (J2000)
 l : 117.04 b : -7.51

DATE: 1980/183 - 1980/183
 LIVETIME: 1214.0s
 ROLL ANGLE: -69.9°

NH: 2.7E+21
 REF/ID:
 FIELD FLAGS:



SEARCH FOR HIGH LX QSO'S: 1

FIELD CENTER: 00^h08^m21.2^s -22°13'48" (B1950)
 00^h10^m53.8^s -21°57'07" (J2000)
 l : 60.06 b : -79.43

DATE: 1979/339 - 1979/350
 LIVETIME: 4014.1s
 ROLL ANGLE: 116.8°

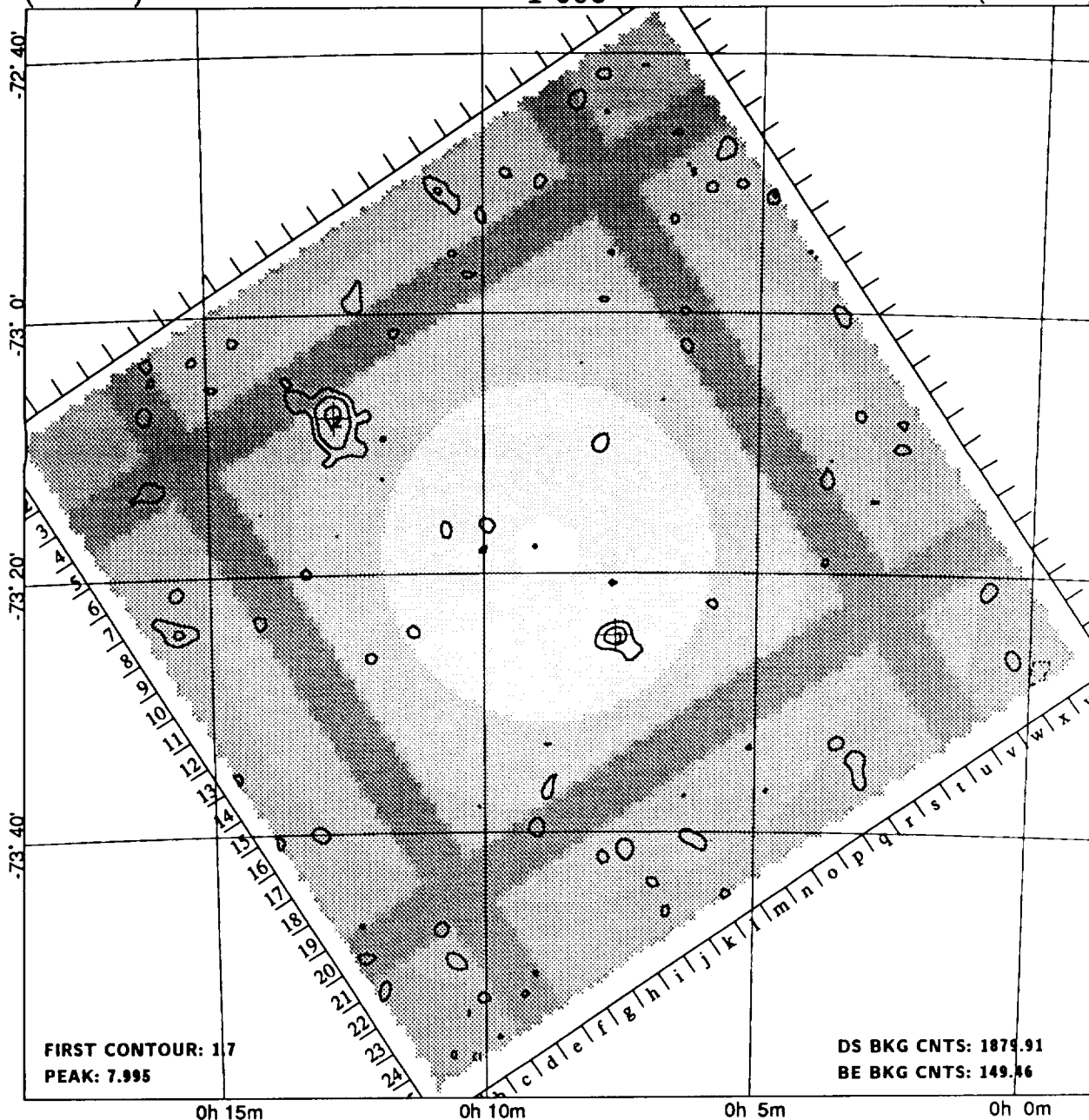
NH: 2.2E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
21	1	00 06 53.9	-22 28 56	55	*0.0117	0.0031	20.4	8.6	3.8	0.8	601	25.2	H
31	2	00 08 25.0	-22 15 58	37	0.0081	0.0021	23.8	14.2	3.9	1.5	0	2.5	H

(0h 8m)

I 608

(0h 8m)



SMC SURVEY

FIELD CENTER: $00^{\text{h}}08^{\text{m}}38.2^{\text{s}}$ $-73^{\circ}18'32''$ (B1950)
 $00^{\text{h}}11^{\text{m}}02.5^{\text{s}}$ $-73^{\circ}01'50''$ (J2000)
 $l: 307.00$ $b: -43.78$

DATE: 1979/120 - 1979/120
 LIVETIME: 1523.3s
 ROLL ANGLE: -33.4°

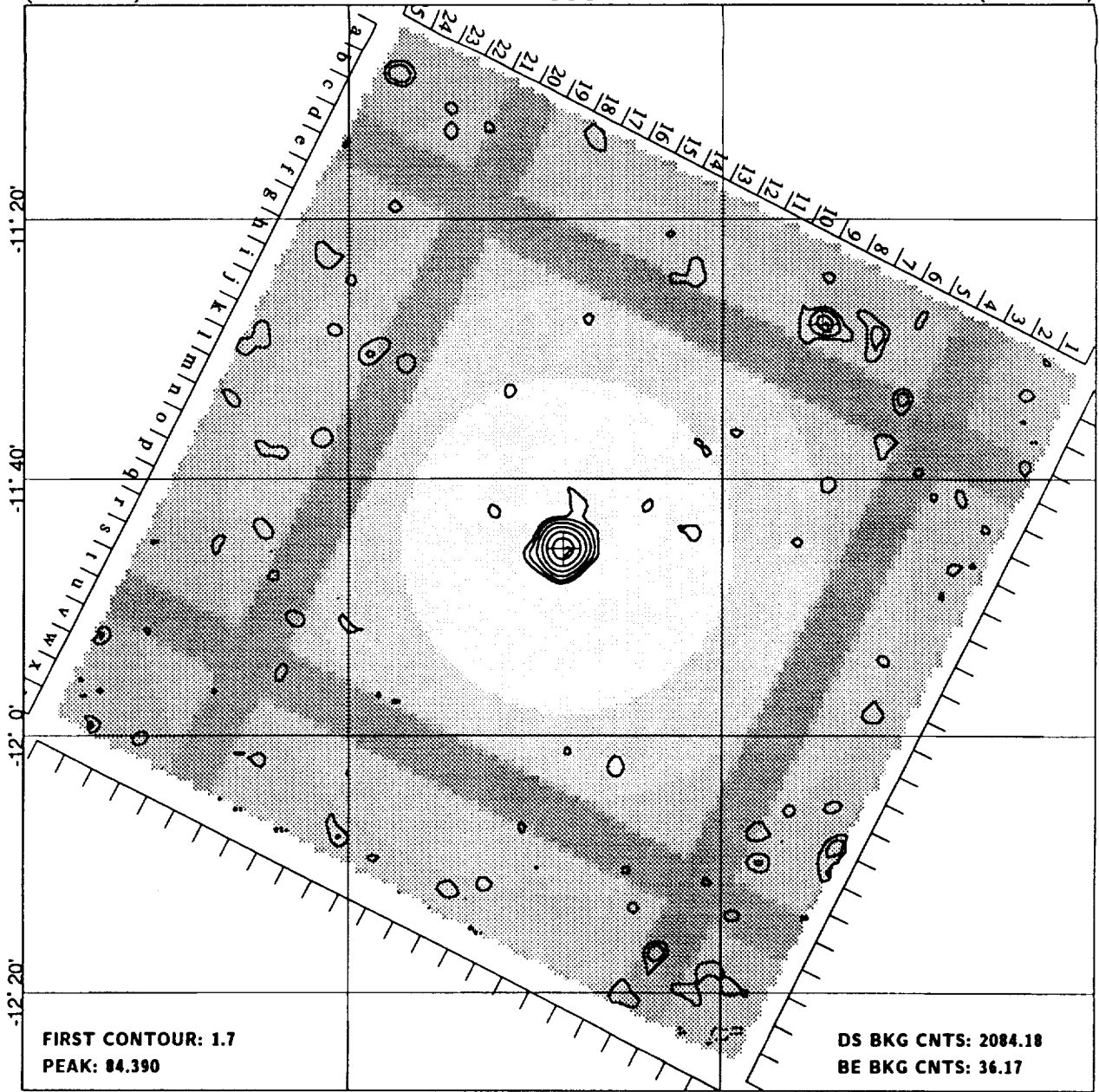
NH: $4.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
27	1	00 07 34.7	-73 24 45	46	0.0169	0.0045	17.5	4.5	3.7	0.9	0	7.7	H	*
40	2	00 12 43.0	-73 07 53	51	*0.0364	0.0072	28.4	3.6	5.0	1.8	601	21.0	H	SNR

(0h 8m)

I 5951

(0h 8m)



0h 10m

0h 8m

CATAclysmic VARIABLES SURVEY: WW CET

FIELD CENTER: $00^h 08^m 52.0^s$ $-11^\circ 45' 29''$ (B1950)
 $00^h 11^m 25.2^s$ $-11^\circ 28' 48''$ (J2000)
 $l: 90.01$ $b: -71.75$

DATE: 1979/355 - 1979/355
 LIVETIME: 1688.9s
 ROLL ANGLE: 116.8°

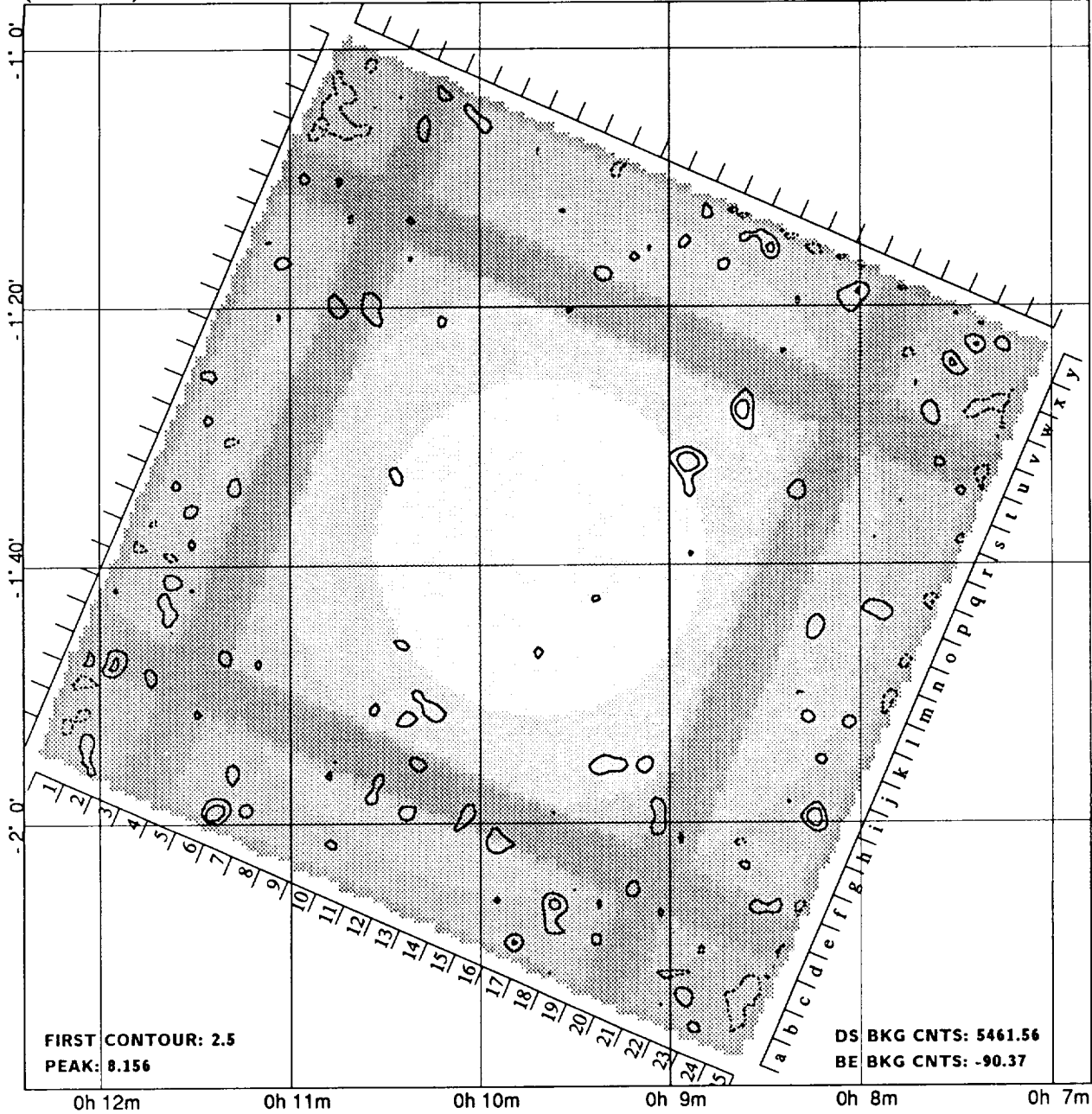
NH: $2.6E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
26	1	00 07 28.0	-11 28 10	54	0.0227	0.0063	15.8	3.2	3.6	0.9	200	26.9	H	†
32	2	00 08 51.1	-11 45 27	31	0.267	0.015	335.8	5.2	18.2	1.1	0	0.2	H	CV

(0h 9m)

I 8451

(0h 9m)



FIRST CONTOUR: 2.5
 PEAK: 8.156

DS BKG CNTS: 5461.56
 BE BKG CNTS: -90.37

OPTICALLY SELECTED QSO'S: MCS 211

FIELD CENTER: $00^h 09^m 36.0^s$ $-01^\circ 38' 29''$ (B1950)
 $00^h 12^m 09.7^s$ $-01^\circ 21' 48''$ (J2000)
 $l: 101.21$ $b: -62.57$

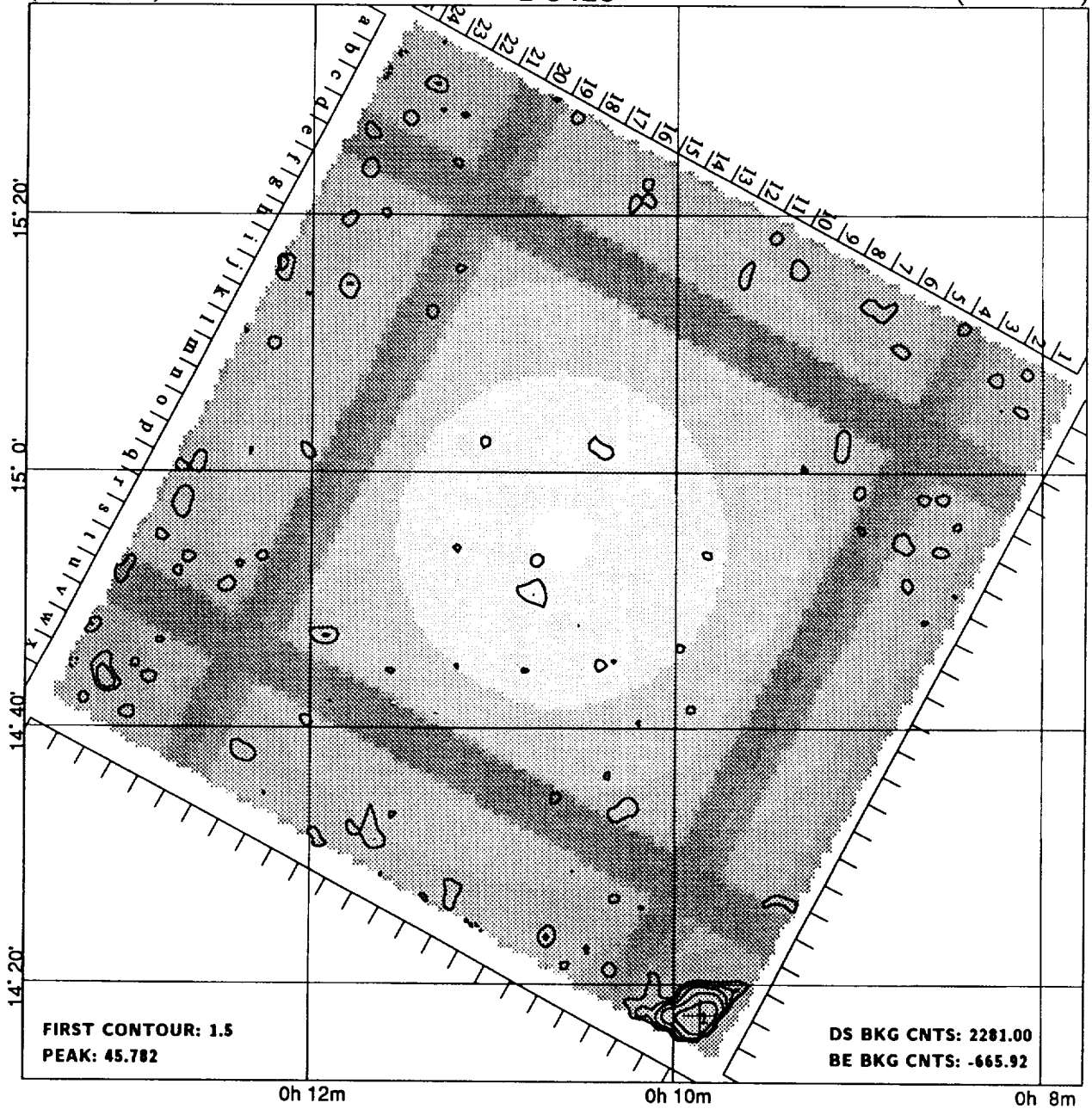
DATE: 1980/171 - 1980/172
 LIVETIME: 4425.6s
 ROLL ANGLE: -66.5°

NH: $3.4E+20$
 REF/ID:
 FIELD FLAGS:

(0h 10m)

I 5428

(0h 10m)



Gamma PEG

FIELD CENTER: $00^h 10^m 39.4^s$ $14^\circ 54' 19''$ (B1950)
 $00^h 13^m 14.1^s$ $15^\circ 11' 00''$ (J2000)
 $l: 109.43$ $b: -46.68$

DATE: 1980/ 3 - 1980/ 3
 LIVETIME: 1848.4s
 ROLL ANGLE: 118.1°

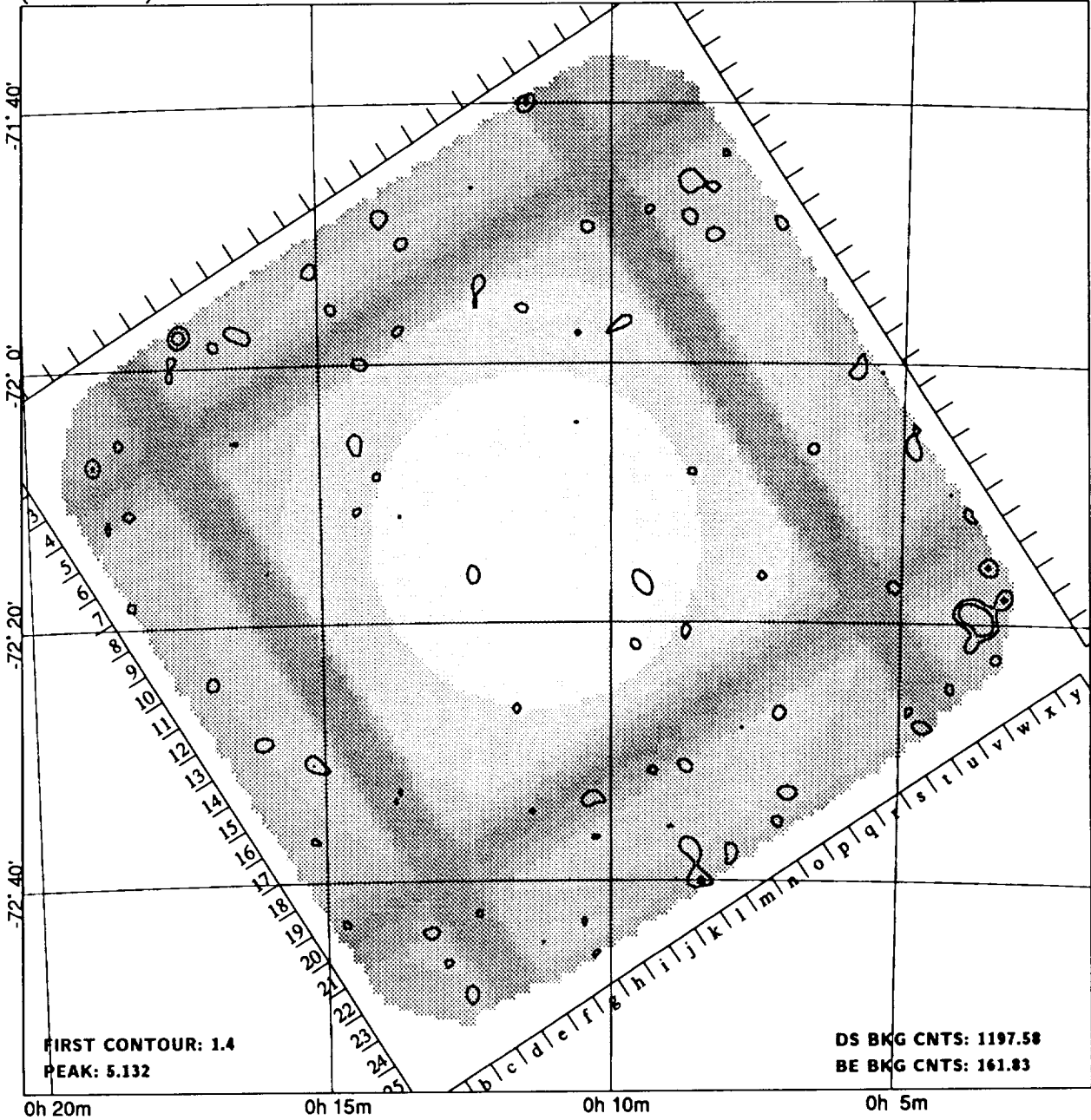
NH: $4.3E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
34	1	00 09 51.4	14 17 36	50	0.168	0.021	64.3	2.7	7.9	1.6	100	38.5	H

(0h 10m)

I 603

(0h 10m)



SMC SURVEY

FIELD CENTER: $00^{\text{h}}10^{\text{m}}58.1^{\text{s}}$ $-72^{\circ}14'23''$ (B1950)
 $00^{\text{h}}13^{\text{m}}20.9^{\text{s}}$ $-71^{\circ}57'42''$ (J2000)
 $l: 307.08$ $b: -44.86$

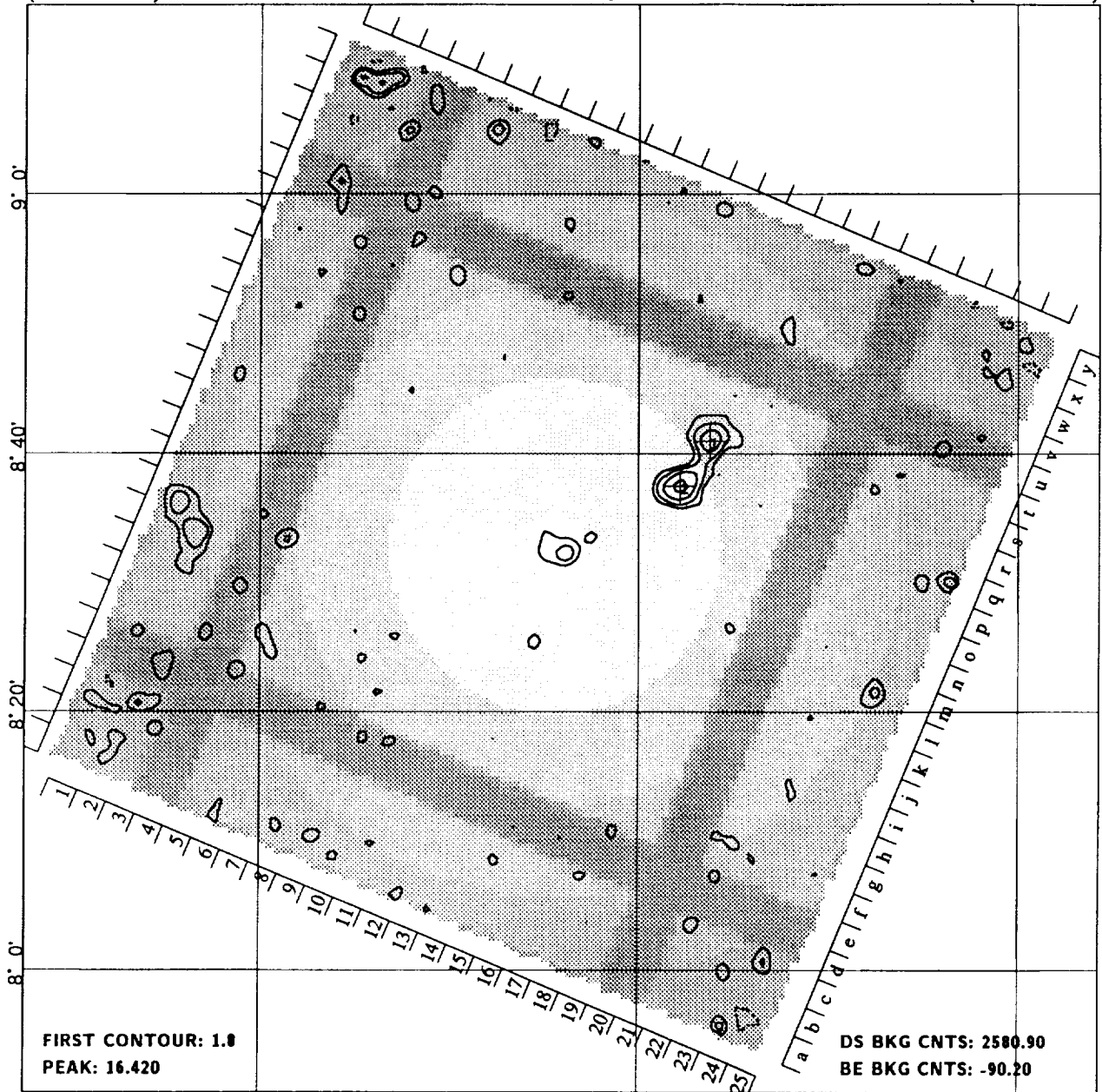
DATE: 1979/119 - 1979/120
 LIVETIME: 970.4s
 ROLL ANGLE: -32.8°

NH: $3.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(0h 12m)

I 7429

(0h 12m)



FIRST CONTOUR: 1.0
 PEAK: 16.420

DS BKG CNTS: 2580.90
 BE BKG CNTS: -90.20

0h 14m

0h 12m

0h 10m

UU PSC,RADIO STAR

FIELD CENTER: 00^h12^m24.1^s 08°32'35" (B1950)
 00^h14^m58.5^s 08°49'16" (J2000)
 l : 107.86 b : -52.98

DATE: 1980/171 - 1980/171

NH: 6.2E+20

LIVETIME: 2091.4s

REF/ID:

ROLL ANGLE: -67.4°

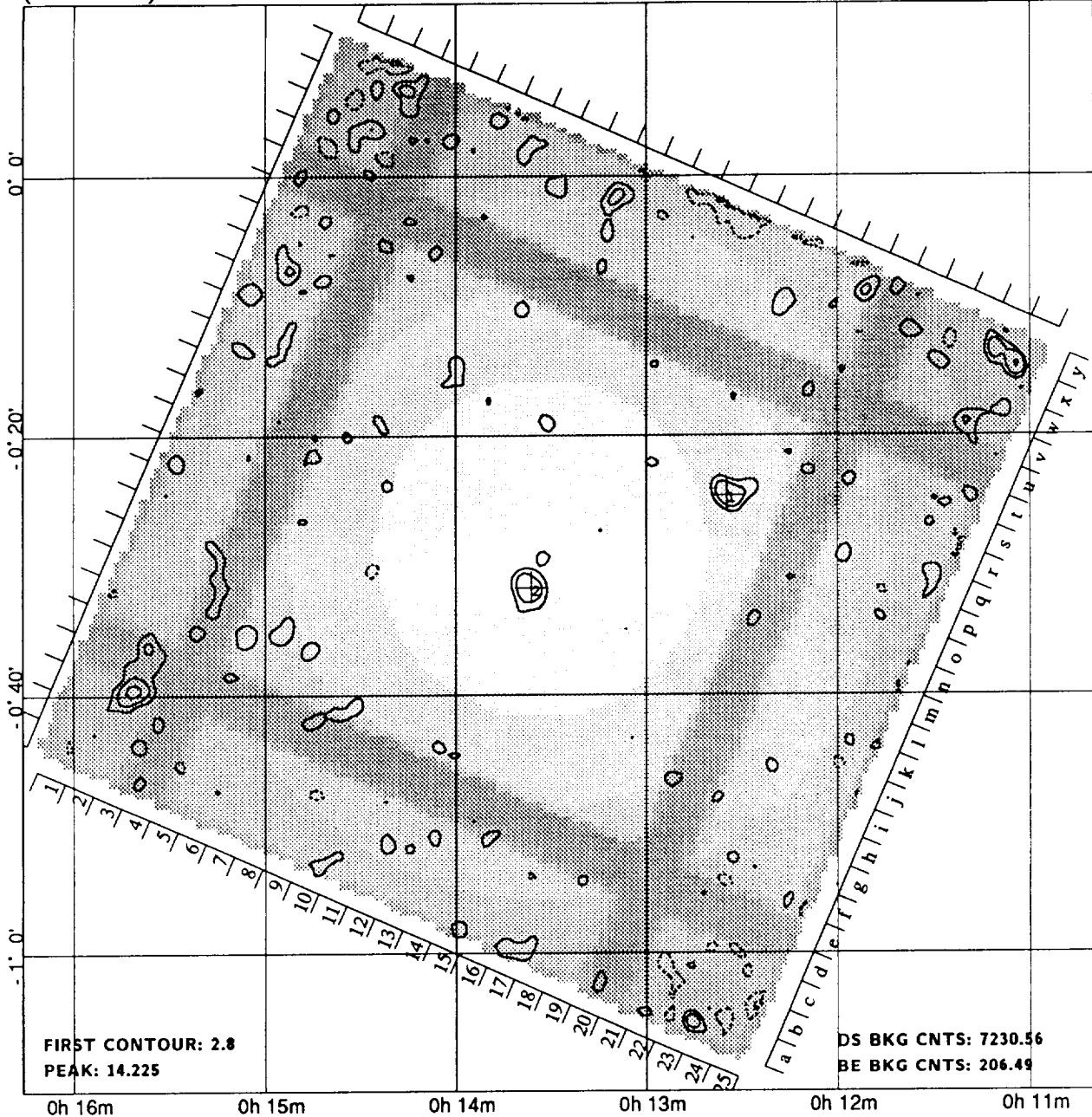
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
35	1	00 11 37.4	08 40 57	42	0.0257 0.0049	32.2	4.8	5.3	2.6	0	14.1	H
36	2	00 11 46.8	08 37 31	41	0.0413 0.0057	56.6	5.4	7.2	1.7	0	10.4	H

(0h 13m)

I 8453

(0h 13m)



OPTICALLY SELECTED QSO'S: MCS 224

FIELD CENTER: $00^h 13^m 28.0^s$ $-00^\circ 28' 41''$ (B1950)
 $00^h 16^m 01.7^s$ $-00^\circ 12' 01''$ (J2000)
 $l: 103.95$ $b: -61.76$

DATE: 1980/172 - 1980/172
 LIVETIME: 5859.1s
 ROLL ANGLE: -66.5°

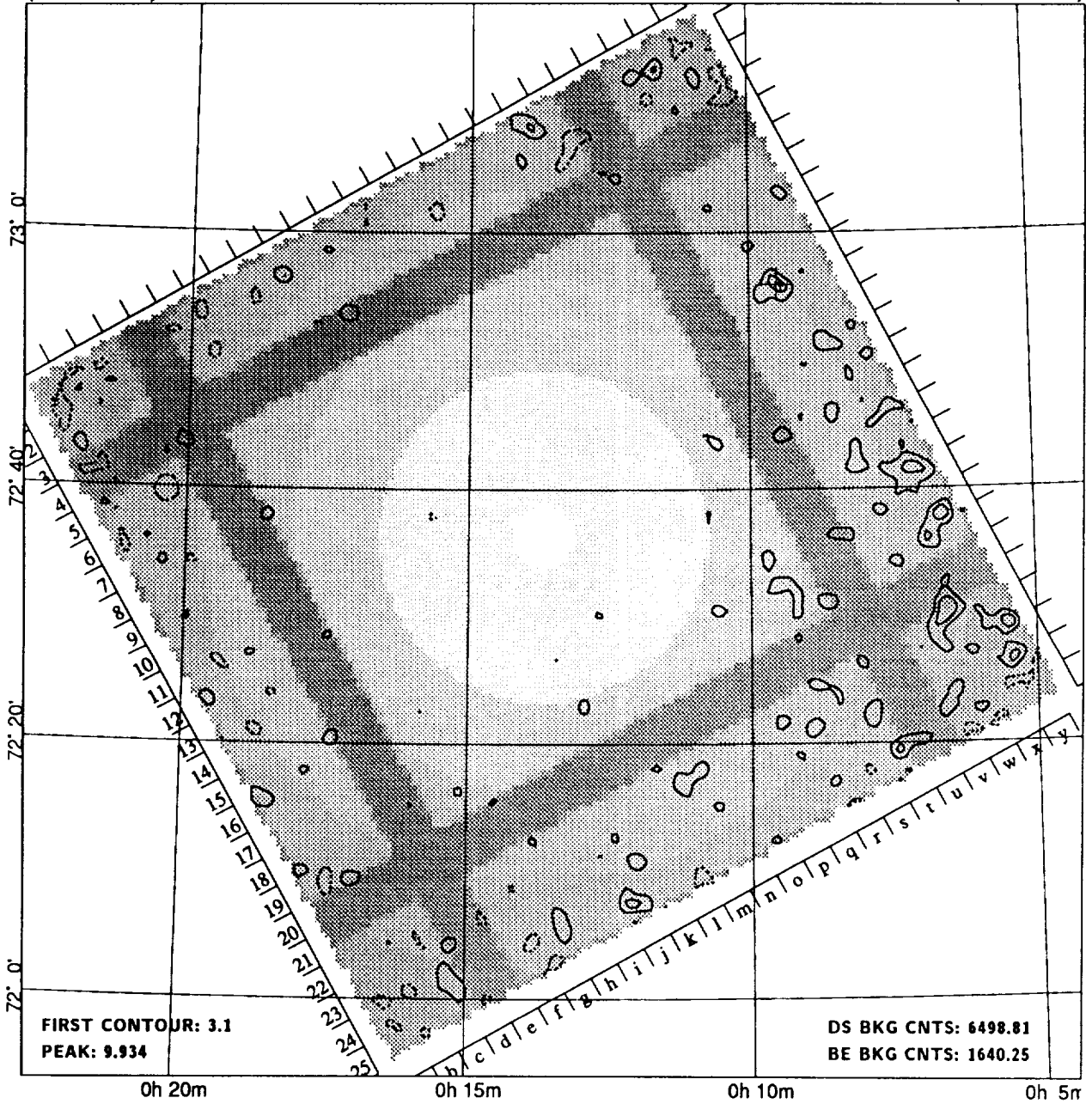
NH: $2.9E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
38	1	00 12 34.6	-00 24 36	42	0.0104	0.0021	36.2	14.8	5.1	0.9	0	13.9	H
44	2	00 13 36.2	-00 31 44	35	0.0105	0.0019	44.7	21.3	5.5	0.9	0	3.6	

(0h 13m)

I 8958

(0h 13m)



FIRST CONTOUR: 3.1
PEAK: 9.934

DS BKG CNTS: 6498.81
BE BKG CNTS: 1640.25

SNR SURVEY: CTA1

FIELD CENTER: $00^h 13^m 29.0^s$ $72^\circ 35' 59''$ (B1950)
 $00^h 16^m 16.7^s$ $72^\circ 52' 39''$ (J2000)
 $l: 120.31$ $b: 10.18$

DATE: 1980/238 - 1980/238
 LIVETIME: 5266.2s
 ROLL ANGLE: -28.9°

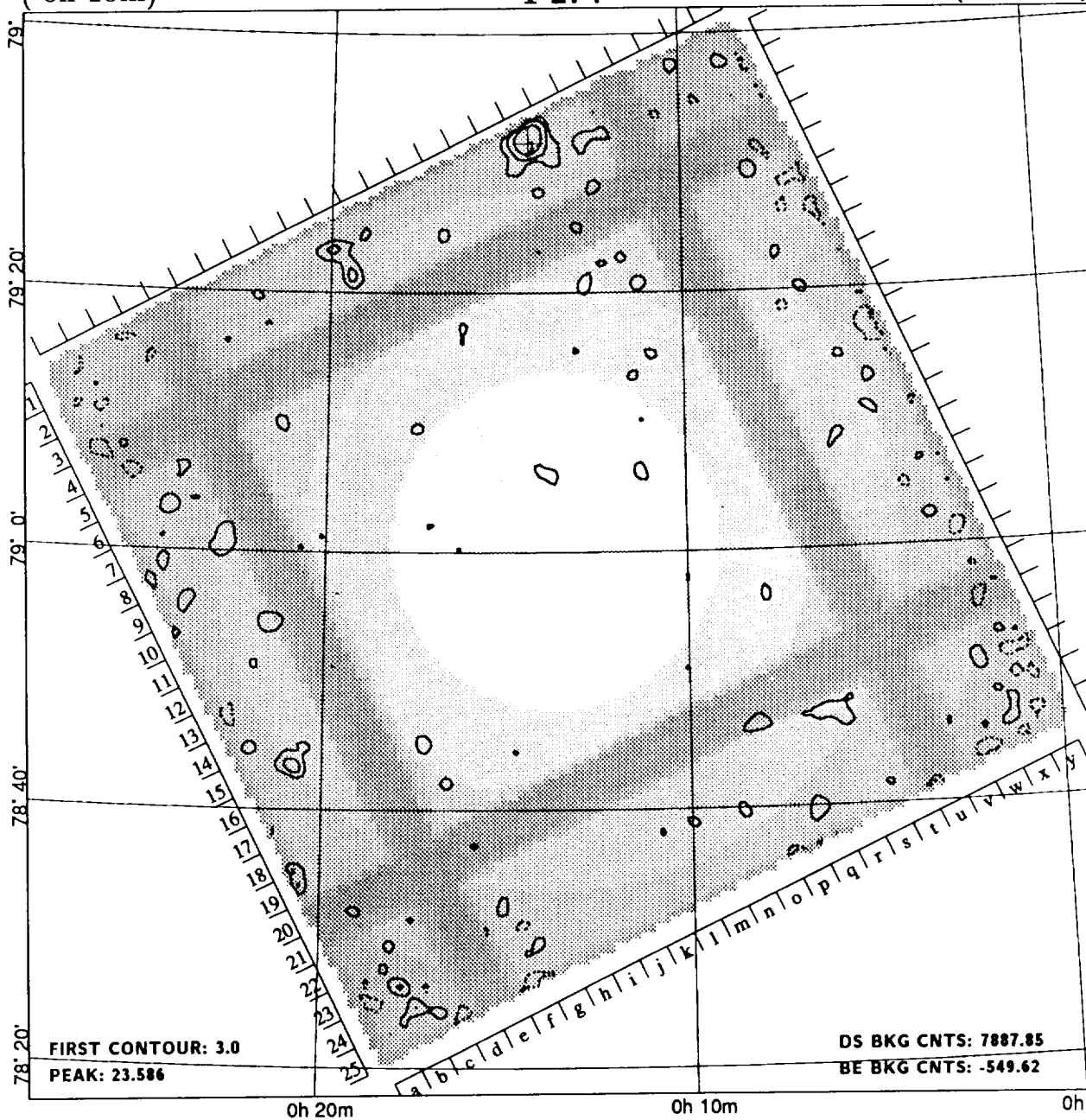
NH: $2.4E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
33	1	00 09 30.1	72 55 56	58	0.0096	0.0027	20.2	12.8	3.5	0.8	0	26.7	H

(0h 13m)

I 274

(0h 13m)



3C 6.1 CLUSTER EVOLUTION

FIELD CENTER: 00^h13^m35.0^s 78°59'59" (B1950)
 00^h16^m31.6^s 79°16'39" (J2000)
 l : 121.24 b : 16.52

DATE: 1979/241 - 1979/241
 LIVETIME: 6391.7s
 ROLL ANGLE: -25.9°

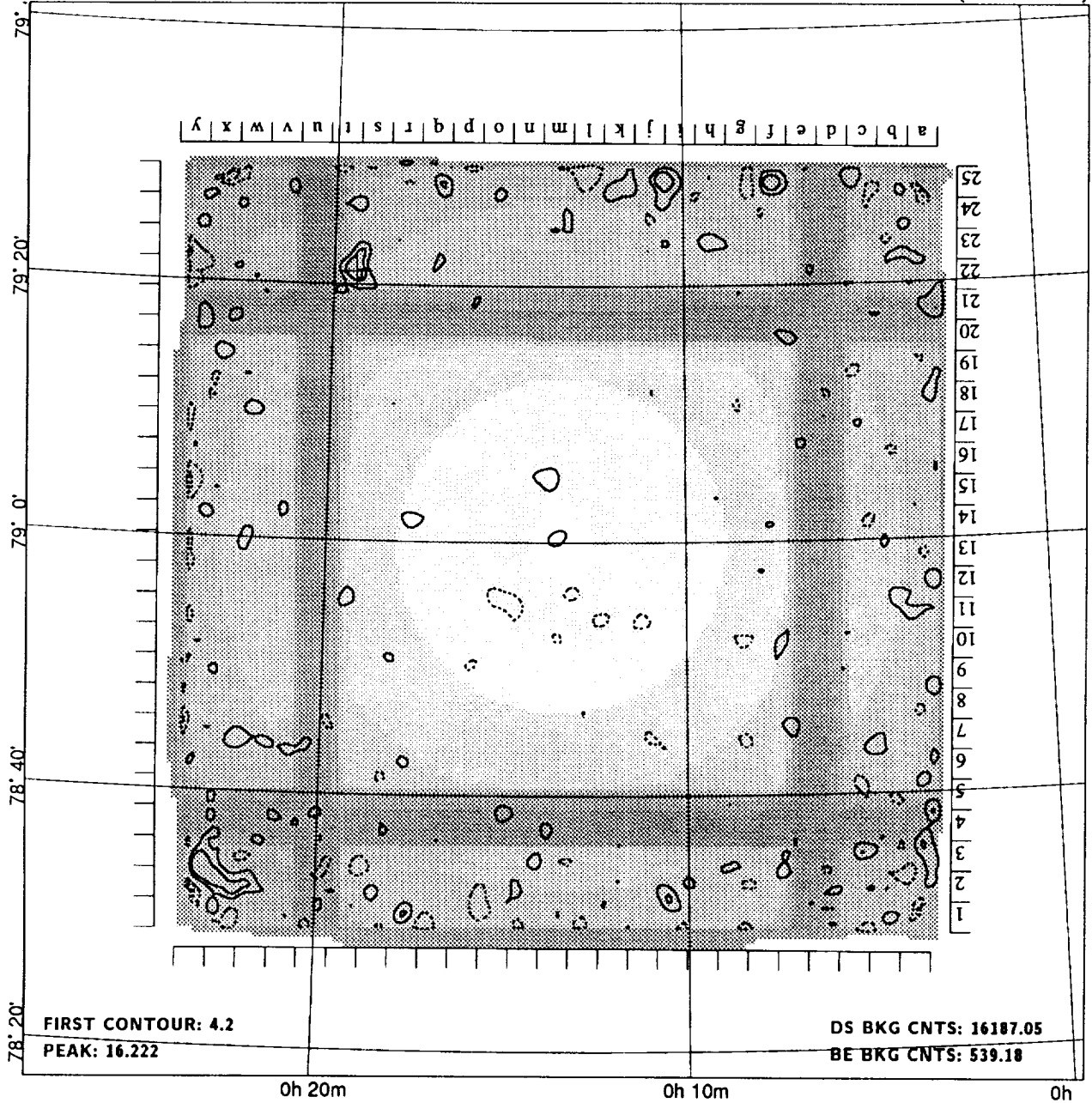
NH: 1.8E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
45	1	00 14 23.5	79 31 33	51	*0.0206	0.0035	43.9	11.1	5.9	1.1	401	31.7	H	CLG

(0h 13m)

I 6836

(0h 13m)



3C 6.1.OBSERVATIONS OF VERY DISTANT CLUSTERS

FIELD CENTER: $00^h 13^m 35.0^s$ $79^{\circ} 00' 10''$ (B1950)
 $00^h 16^m 31.6^s$ $79^{\circ} 16' 50''$ (J2000)
 $l: 121.24$ $b: 16.52$

DATE: 1980/ 84 - 1980/ 84
 LIVETIME: 13587.8s
 ROLL ANGLE: -179.8°

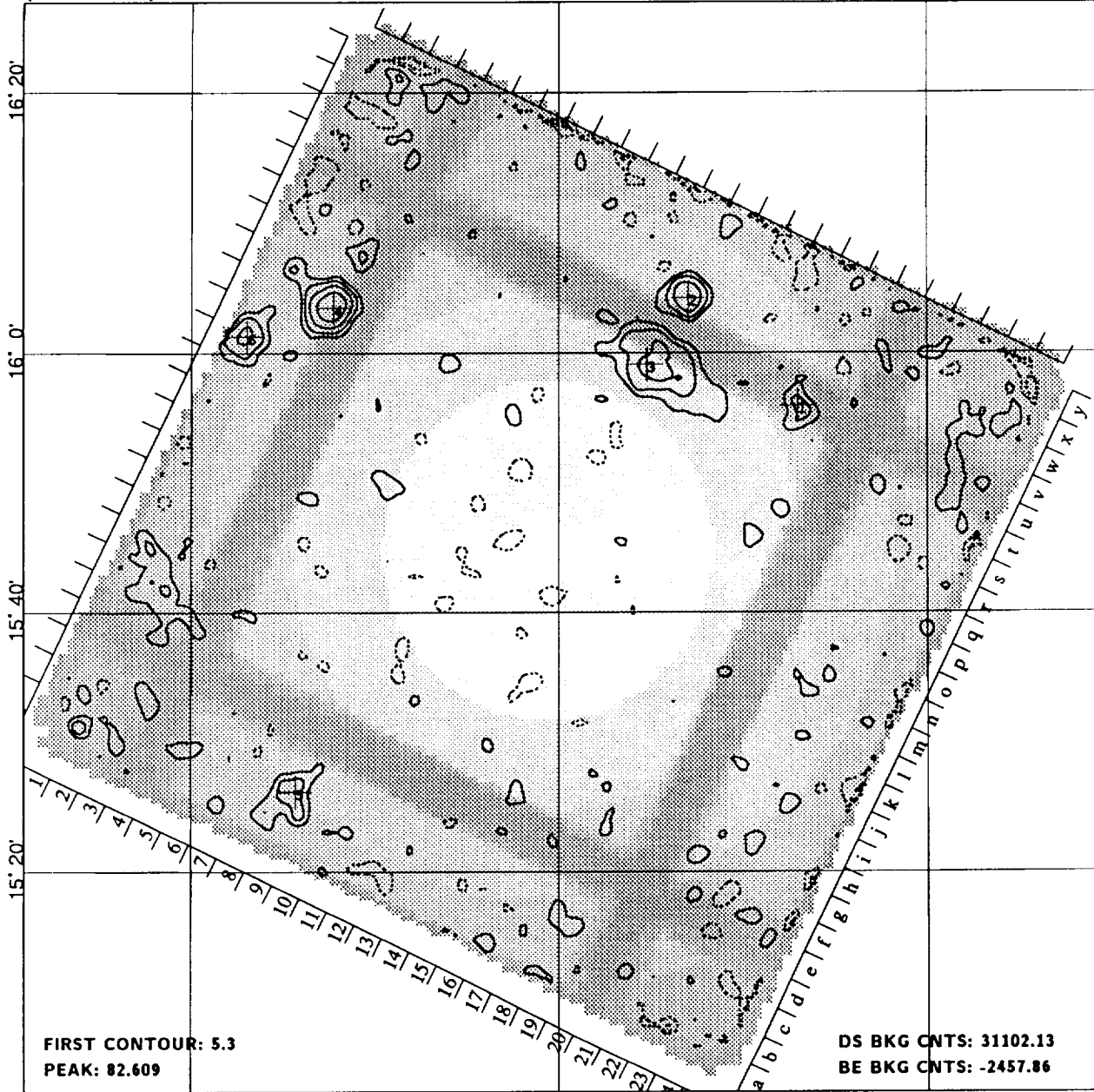
NH: $1.8E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
73	1	00 19 21.7	79 21 03	55	*0.0054	0.0014	29.0	24.0	4.0	0.9	1003	26.6	H

(0h 14m)

I 7597

(0h 14m)



KRON-KOO, CLUSTER HUBBLE-CONSTANT STUDY

FIELD CENTER: 00^h14^m00.0^s 15°44'59" (B1950)
 00^h16^m35.0^s 16°01'39" (J2000)
l: 110.83 *b*: -46.02

DATE: 1980/167 - 1980/168
 LIVETIME: 25202.9s
 ROLL ANGLE: -64.1°

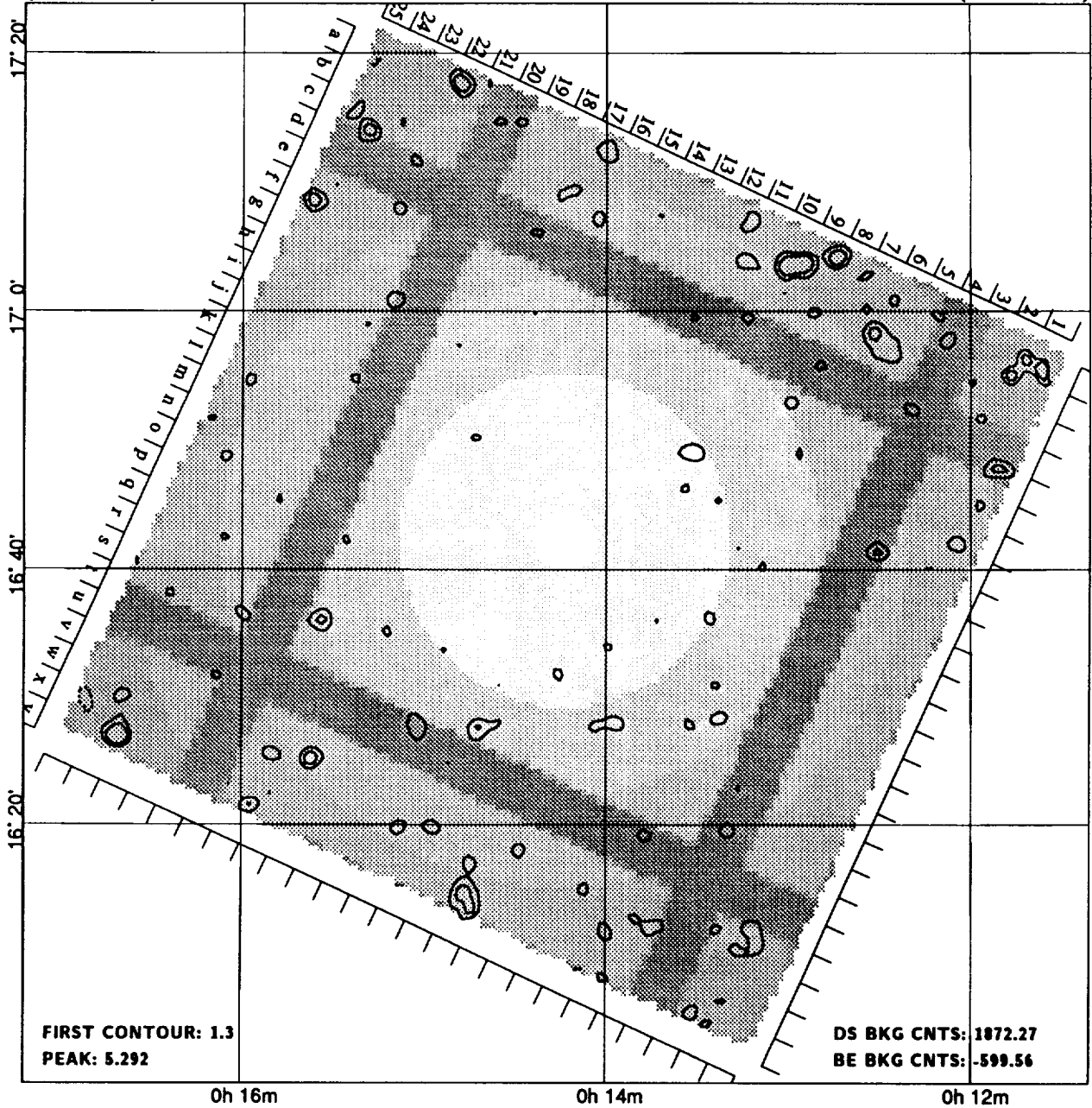
NH: 4.1E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
39	1	00 12 41.9	15 55 55	64	*0.00350	0.00075	41.5	36.5	4.7	1.1	1409	21.7	AH	
41	2	00 13 17.5	16 04 16	48	*0.0096	0.0011	114.2	48.8	8.9	1.1	601	21.8	AH	
43	3	00 13 31.1	15 59 06	50	*0.00692	0.00086	99.6	52.4	8.1	4.8	904	16.7	AH	CLG
49	4	00 15 13.7	16 03 32	48	*0.0187	0.0015	200.6	46.4	12.8	1.3	905	25.7	AH	
50	5	00 15 26.1	15 26 14	61	0.00410	0.00092	40.7	43.3	4.4	2.4	0	29.0	AH	
54	6	00 15 41.9	16 01 17	51	*0.0059	0.0010	54.2	38.8	5.6	1.2	401	29.5	H	

(0h 14m)

I 5361

(0h 14m)

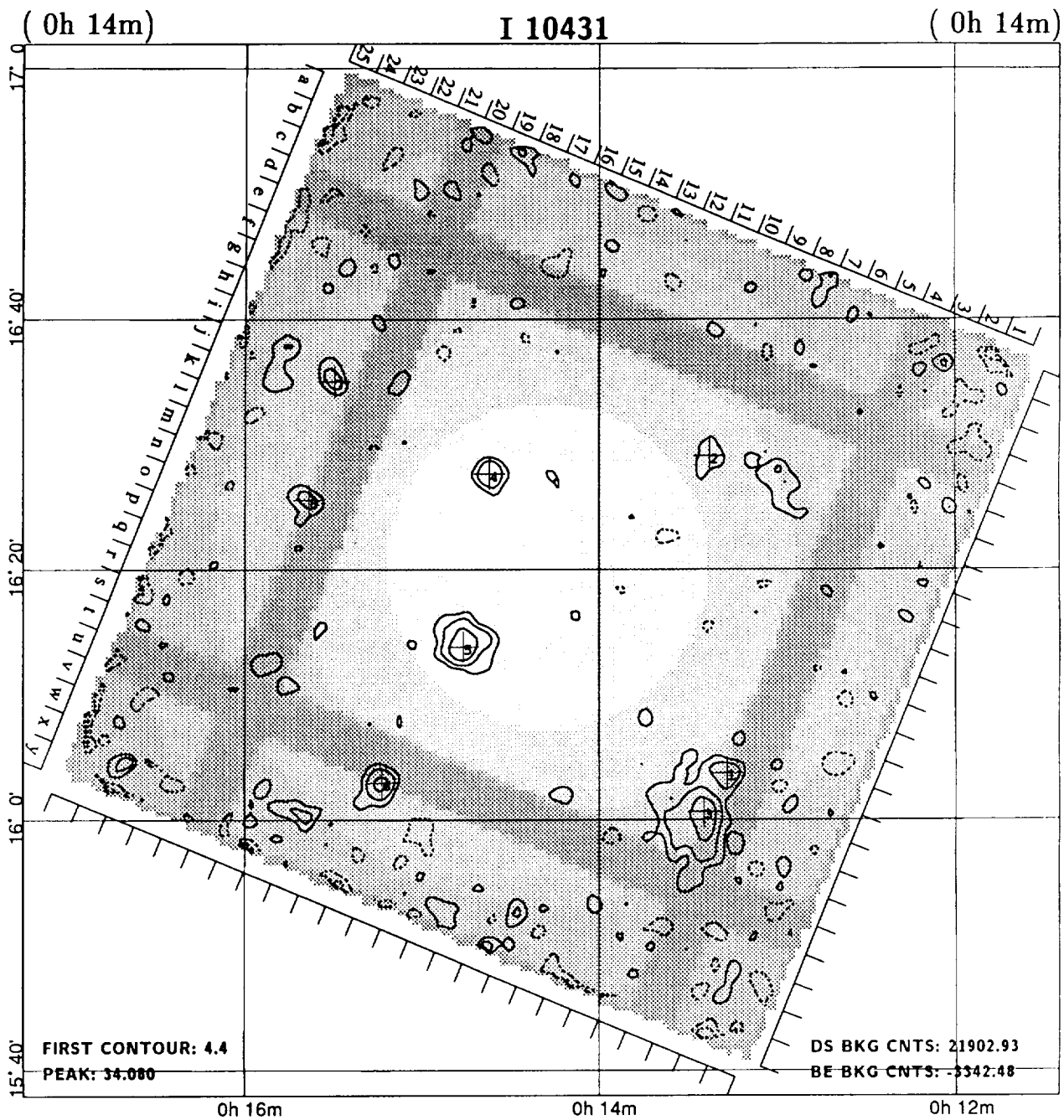


SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: 00^h 14^m 16.0^s 16° 41' 56" (B1950)
00^h 16^m 51.1^s 16° 58' 36" (J2000)
ℓ: 111.18 b: -45.10

DATE: 1980/ 3 - 1980/ 3
LIVETIME: 1617.2s
ROLL ANGLE: 114.7°

NH: 4.1E+20
REF/ID:
FIELD FLAGS:



DISTANT GALAXY CLUSTERS AT Z < 1

FIELD CENTER: 00^h14^m20.0^s 16°19'59" (B1950)
00^h16^m55.1^s 16°36'39" (J2000)
ℓ: 111.10 b: -45.47

DATE: 1981/ 1 - 1981/ 2
LIVETIME: 17748.5s
ROLL ANGLE: 112.3°

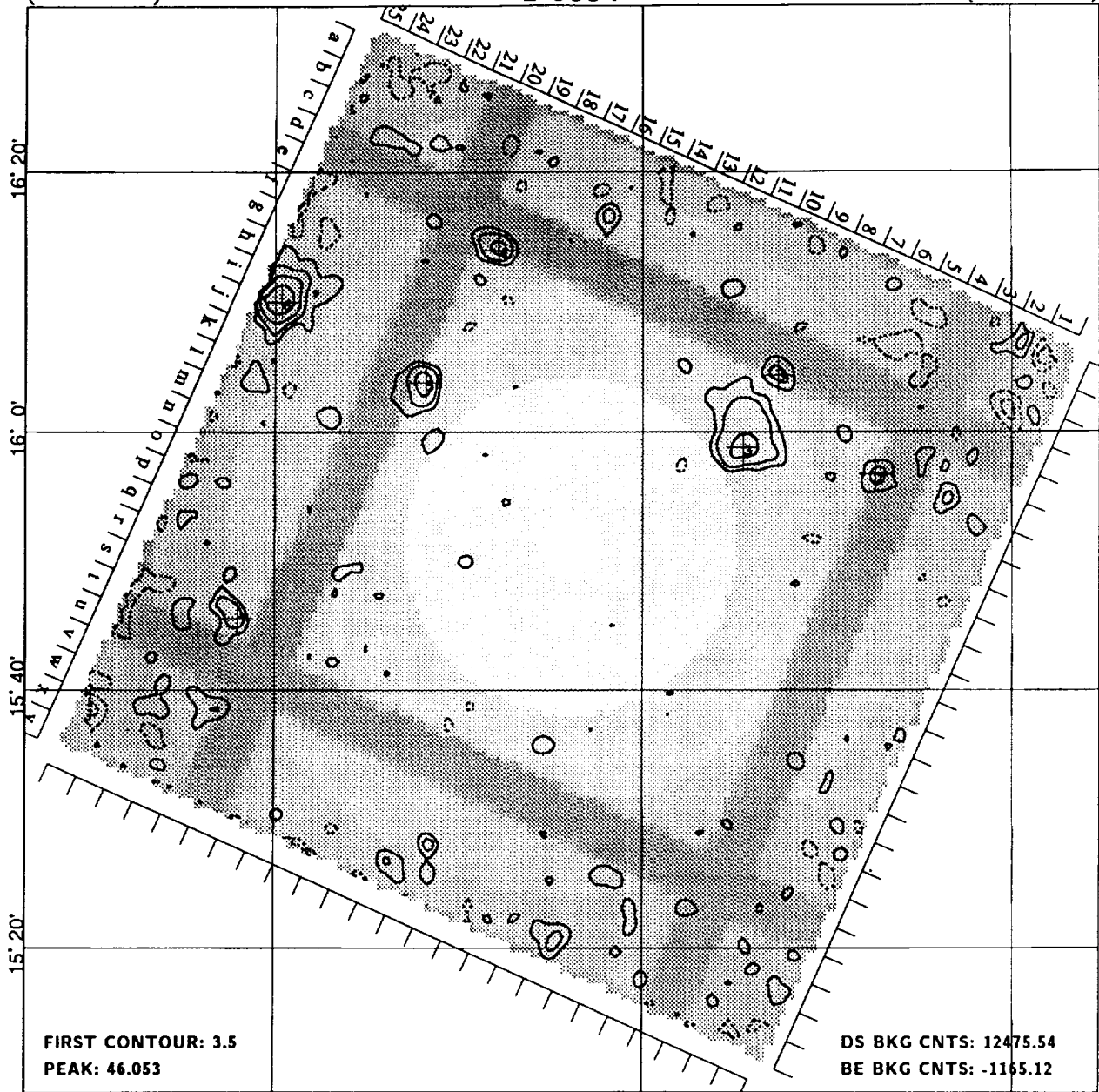
NH: 4.1E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
41	1	00 13 16.8	16 03 47	52	*0.00478 0.00095	40.7	24.3	5.0	7.0	906	22.1	A	
42	2	00 13 22.7	16 29 06	56	0.00368 0.00084	37.8	36.2	4.4	0.8	0	15.8		
43	3	00 13 24.5	16 00 39	50	*0.0096 0.0013	78.1	25.9	7.7	3.1	905	23.8	A	CLG
46	4	00 14 37.2	16 27 41	41	0.00451 0.00081	54.3	40.7	5.6	0.8	0	8.7	H	
47	5	00 14 46.1	16 13 51	38	0.0108 0.0011	128.5	33.5	10.1	1.4	0	8.7	AH	S
49	6	00 15 13.6	16 03 00	51	*0.0070 0.0011	59.9	22.1	6.6	1.0	907	21.1	AH	
51	7	00 15 29.8	16 35 04	55	0.00323 0.00091	26.7	30.3	3.5	0.8	100	23.2		
53	8	00 15 38.4	16 25 37	56	*0.00303 0.00078	27.4	21.6	3.9	0.8	906	19.7		

(0h 14m)

I 6834

(0h 14m)



C1 0014+15, OBSERVATIONS OF VERY DISTANT CLUSTERS

FIELD CENTER: 00^h14^m26.0^s 15°50'47" (B1950)
00^h17^m01.1^s 16°07'27" (J2000)
ℓ: 111.00 b: -45.95

DATE: 1980/ 1 - 1980/ 1
LIVETIME: 10109.3s
ROLL ANGLE: 114.1°

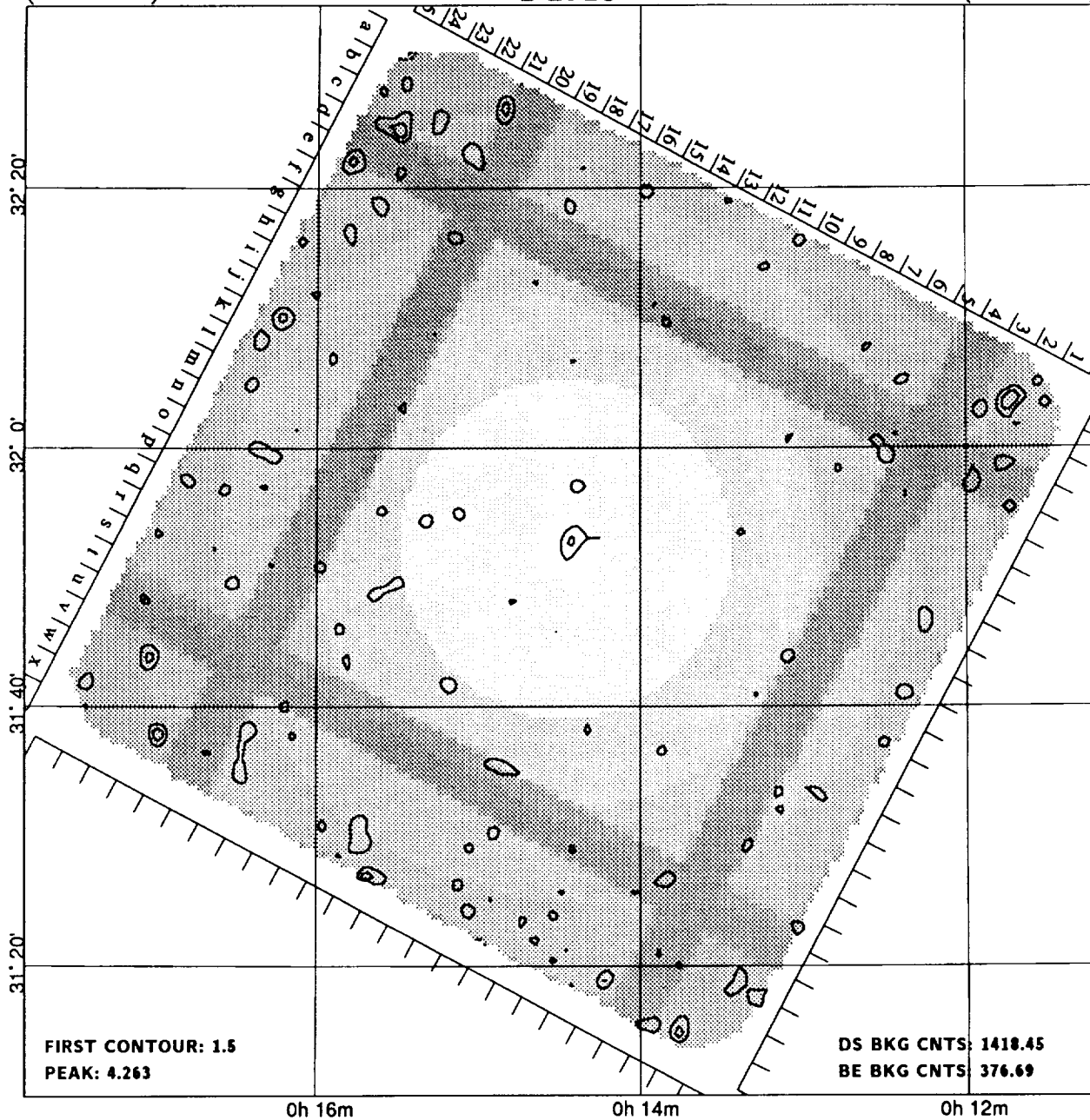
NH: 4.1E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
39	1	00 12 44.1	15 56 42	58	*0.0049	0.0014	21.5	15.5	3.5	0.7	906	25.4	AH	
41	2	00 13 15.8	16 04 18	56	*0.0045	0.0012	22.9	13.1	3.8	0.7	907	21.6	A	
43	3	00 13 27.2	15 58 46	50	0.0123	0.0016	72.4	21.6	7.5	2.4	0	16.1	AH	CLG
47	4	00 14 47.1	16 13 56	51	*0.0089	0.0016	40.9	14.1	5.5	1.0	905	23.6	AH	S
49	5	00 15 10.9	16 03 44	50	*0.0102	0.0016	57.3	19.7	6.5	1.2	705	17.0	AH	
57	6	00 15 57.9	16 09 55	48	*0.0275	0.0031	96.8	19.2	9.0	1.5	501	29.5	AH	CLG
59	7	00 16 12.1	15 45 33	55	0.0055	0.0015	22.2	14.8	3.7	1.0	800	26.0	H	

(0h 14m)

I 2718

(0h 14m)



QUASAR SURVEY: NRAO 150

FIELD CENTER: $00^{\text{h}}14^{\text{m}}30.0^{\text{s}}$ $31^{\circ}51'59''$ (B1950)
 $00^{\text{h}}17^{\text{m}}06.6^{\text{s}}$ $32^{\circ}08'39''$ (J2000)
 $l: 114.53$ $b: -30.17$

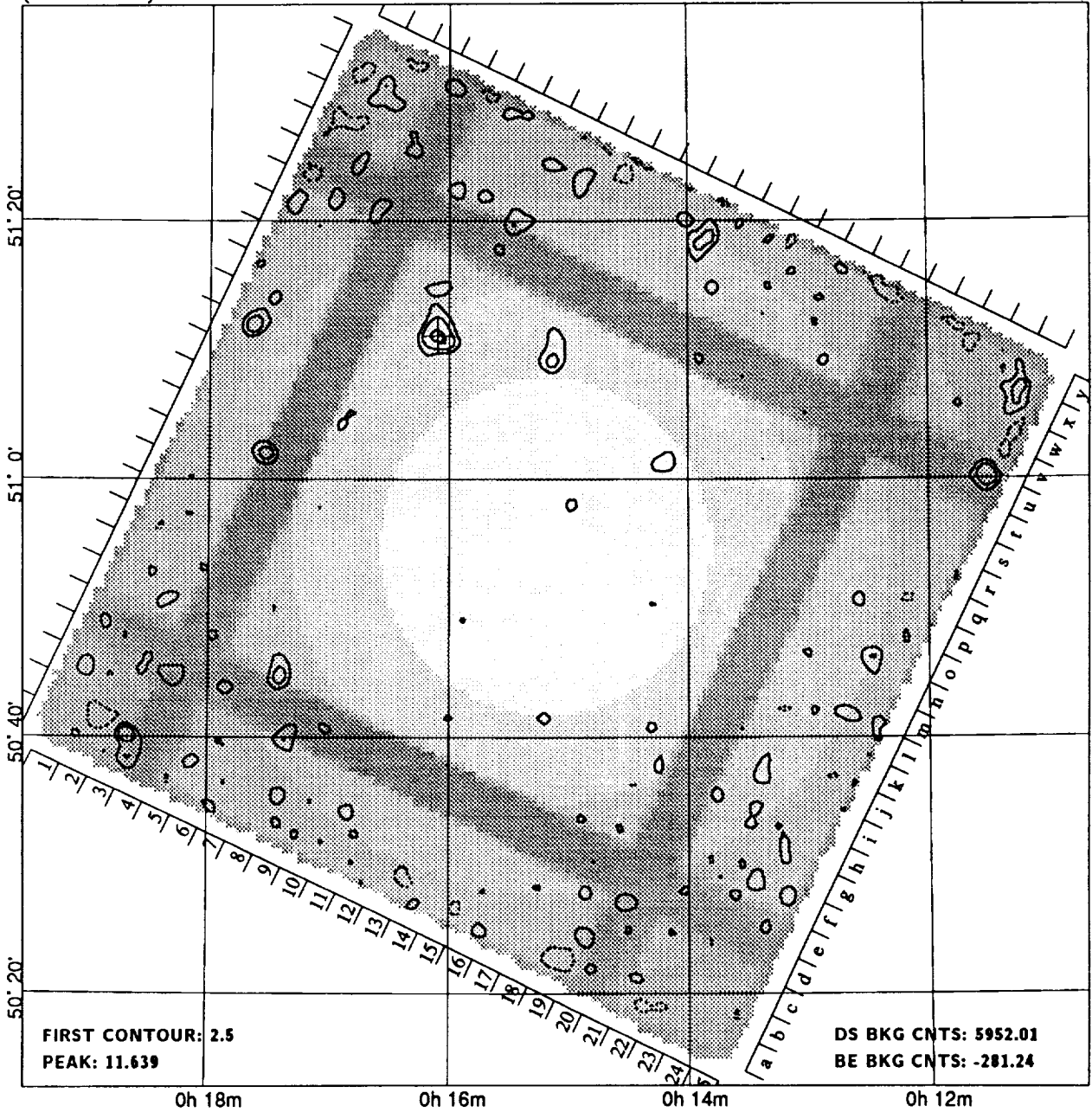
DATE: 1980/ 10 - 1980/ 11
 LIVETIME: 1149.4s
 ROLL ANGLE: 117.9°

NH: $5.4\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(0h 15m)

I 5215

(0h 15m)



STAR AO CAS,X-RAYS FROM BINARY O STARS

FIELD CENTER: 00^h15^m06.0^s 50°54'57" (B1950)
 00^h17^m45.7^s 51°11'36" (J2000)
 l : 117.56 b : -11.33

DATE: 1980/190 - 1980/193
 LIVETIME: 4823.1s
 ROLL ANGLE: -64.4°

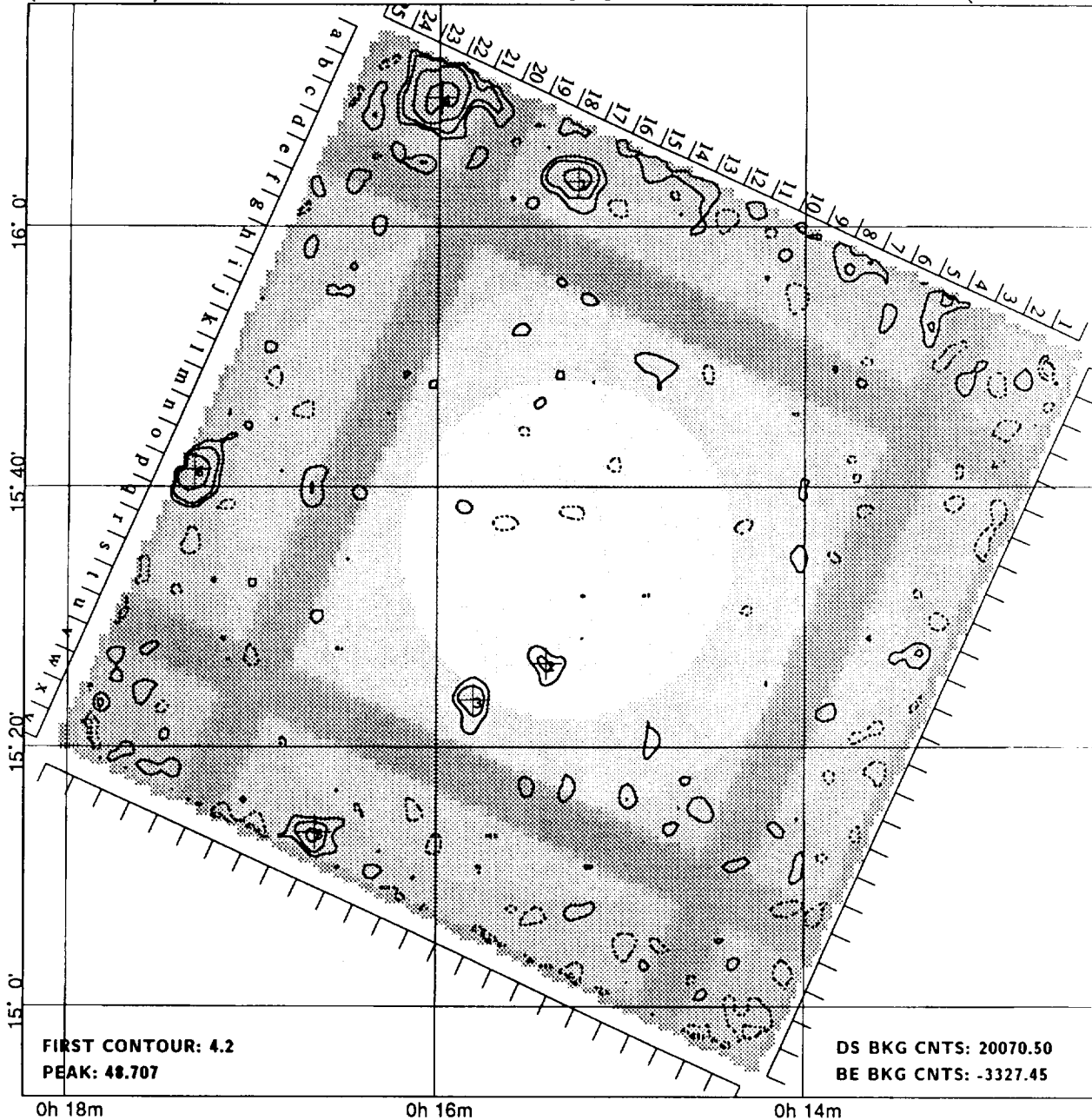
NH: 1.4E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID FLG
58	1	00 16 05.8	51 11 07	51	0.0145	0.0027	37.5	10.5	5.4	0.9	0	18.9		

(0h 15m)

I 10432

(0h 15m)



DISTANT GALAXY CLUSTERS AT Z<1

FIELD CENTER: 00^h 15^m 20.0^s 15° 34' 59" (B1950)
 00^h 17^m 55.1^s 15° 51' 39" (J2000)
 l: 111.24 b: -46.25

DATE: 1981/ 2 - 1981/ 2
 LIVETIME: 16263.7s
 ROLL ANGLE: 114.4°

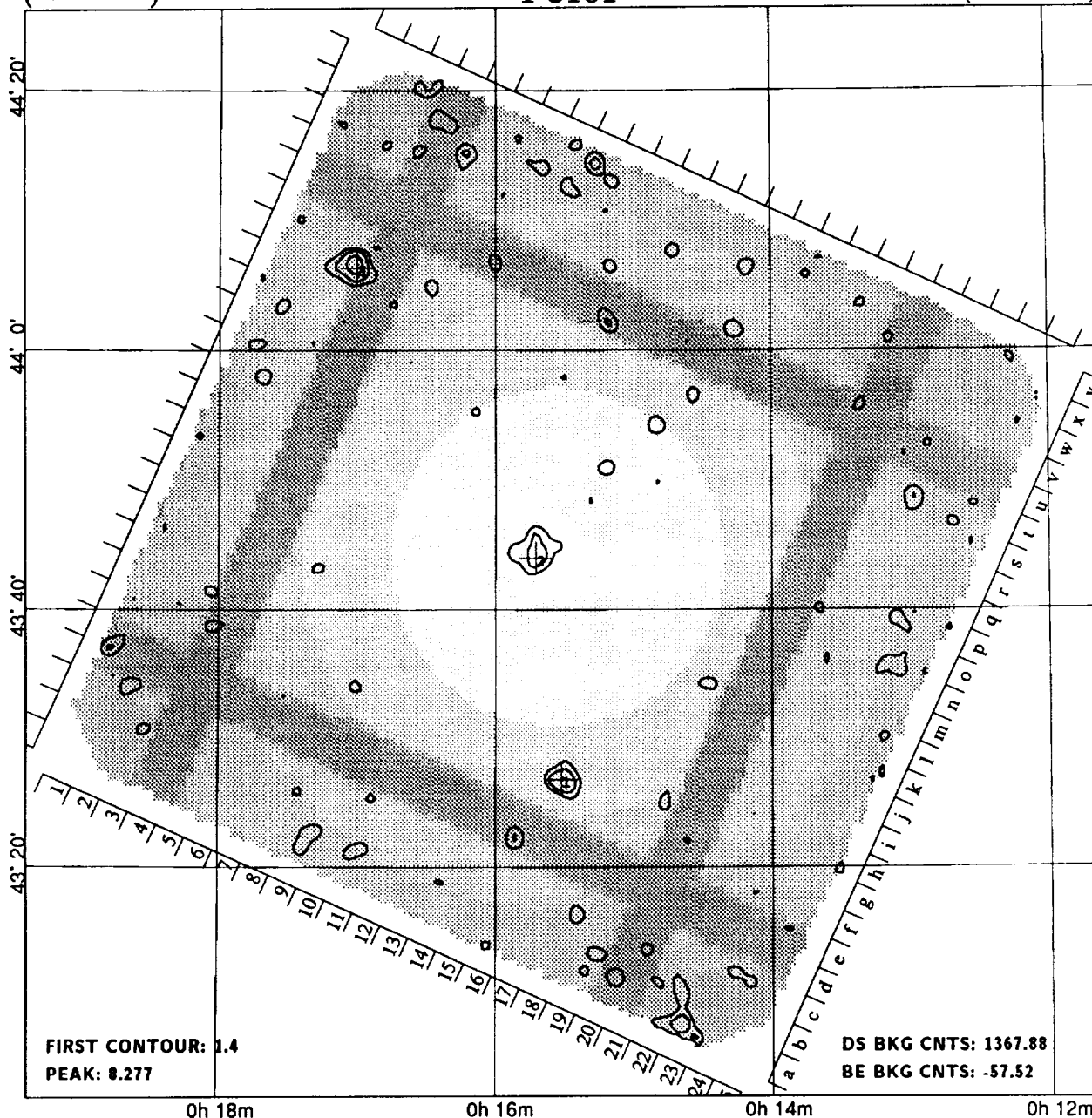
NH: 4.1E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
49	1	00 15 14.2	16 03 26	51	0.0089	0.0014	54.7	25.3	6.1	1.3	0	28.4	AH	
50	2	00 15 24.1	15 26 24	43	0.00315	0.00078	34.7	39.3	4.0	0.8	0	8.5	AH	
56	3	00 15 47.9	15 23 35	41	0.00556	0.00095	55.2	33.8	5.8	1.0	0	13.2	H	Q
57	4	00 15 59.3	16 09 51	50	0.0198	0.0025	81.0	21.0	8.0	2.2	0	36.3	AH	CLG
60	5	00 16 39.5	15 13 21	54	0.0057	0.0013	32.8	28.2	4.2	1.1	200	28.7	AH	
62	6	00 17 19.2	15 41 20	50	*0.0131	0.0019	62.8	22.2	6.8	1.4	702	29.5	AEH	

(0h 15m)

I 3101

(0h 15m)



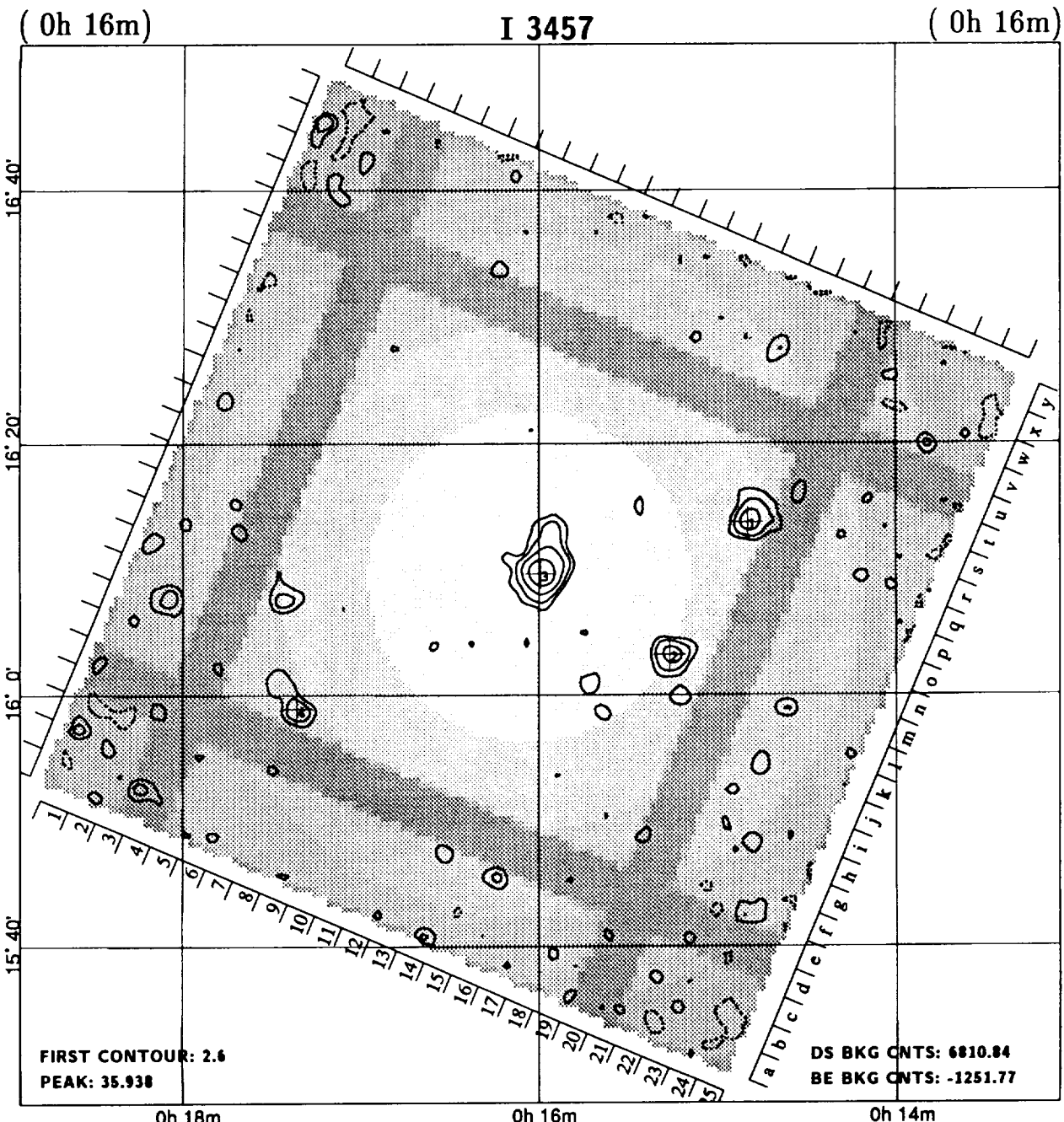
COHERENT SAMPLING OF NEARBY STARS: +43 44 A/B

FIELD CENTER: $00^h 15^m 31.0^s$ $43^\circ 44' 23''$ (B1950)
 $00^h 18^m 09.5^s$ $44^\circ 01' 03''$ (J2000)
 $l: 116.63$ $b: -18.45$

DATE: 1979/193 - 1979/193
 LIVETIME: 1108.4s
 ROLL ANGLE: -65.7°

NH: $7.0E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
52	1	00 15 31.3	43 26 44	54	0.0247	0.0069	15.3	2.7	3.6	0.8	0	17.5		
55	2	00 15 42.5	43 43 56	41	0.0206	0.0055	16.8	3.2	3.8	1.1	0	2.6	H	S
61	3	00 17 00.5	44 06 18	55	*0.0351	0.0096	15.1	1.9	3.7	0.9	705	27.3	H	



0016+16,RICH CLUSTER OF GALAXIES

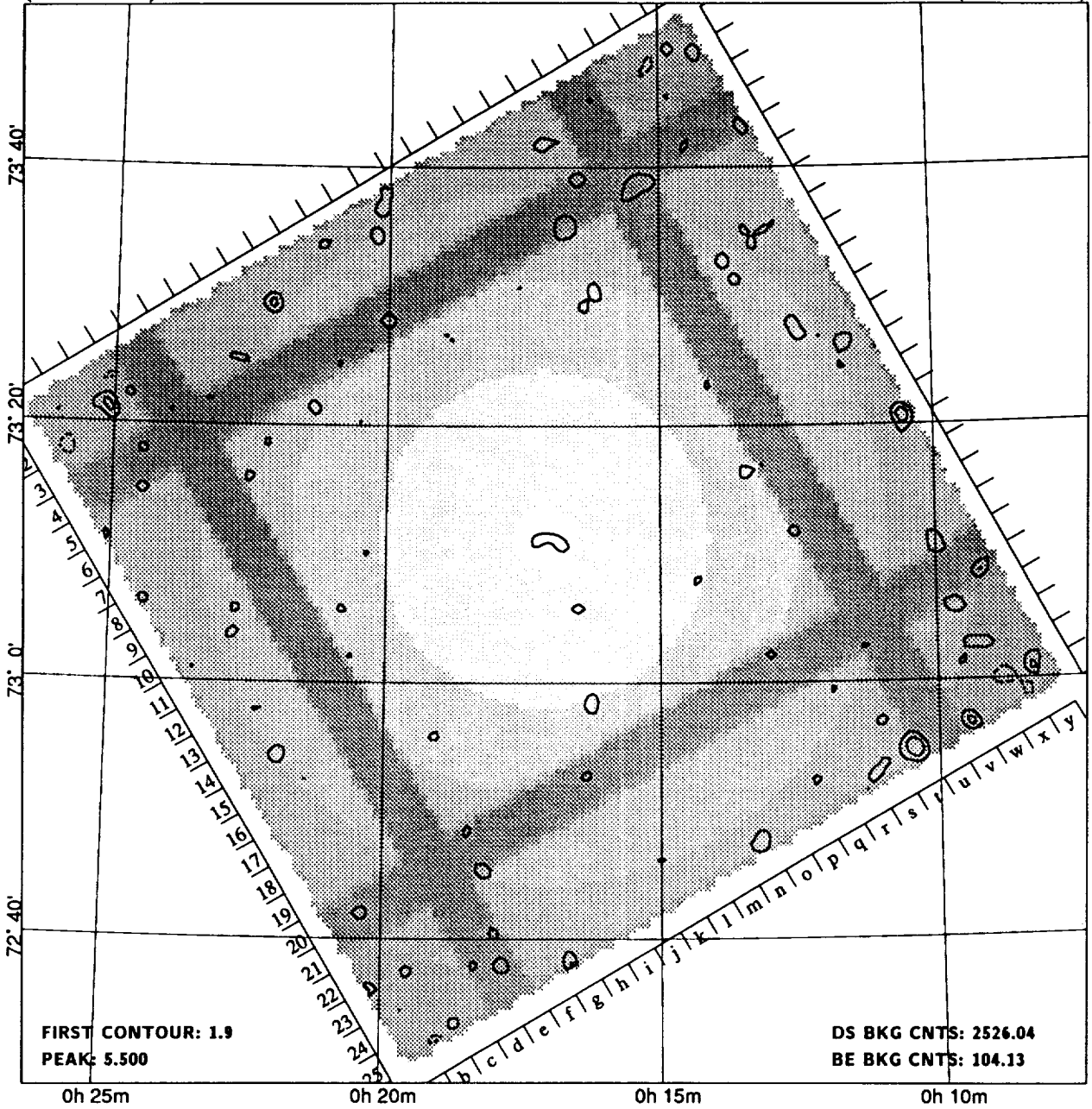
FIELD CENTER: 00^h16^m00.0^s 16°09'35" (B1950) DATE: 1979/178 - 1979/178 NH: 4.1E+20
 00^h18^m35.2^s 16°26'15" (J2000) LIVETIME: 5519.0s REF/ID: !
 l : 111.62 b : -45.71 ROLL ANGLE: -67.1° FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
47	1	00 14 49.6	16 13 45	50	0.0150	0.0025	44.6	10.4	6.0	1.2	300	17.5	AH	GLB
49	2	00 15 15.9	16 03 12	41	0.0128	0.0021	44.2	9.8	6.0	1.0	0	12.3	AH	*
57	3	00 15 59.4	16 09 39	31	0.0380	0.0032	155.8	13.2	12.0	1.6	0	0.2	AH	*
63	4	00 17 21.7	15 58 54	55	*0.0082	0.0021	22.1	8.9	4.0	1.2	501	22.4		

(0h 16m)

I 7583

(0h 16m)



0016+73,RADIO SOURCES W/FLAT OR INVERTED SPECTRA

FIELD CENTER: 00^h16^m54.1^s 73°10'51" (B1950)
 00^h19^m45.7^s 73°27'30" (J2000)
 l : 120.64 b : 10.73

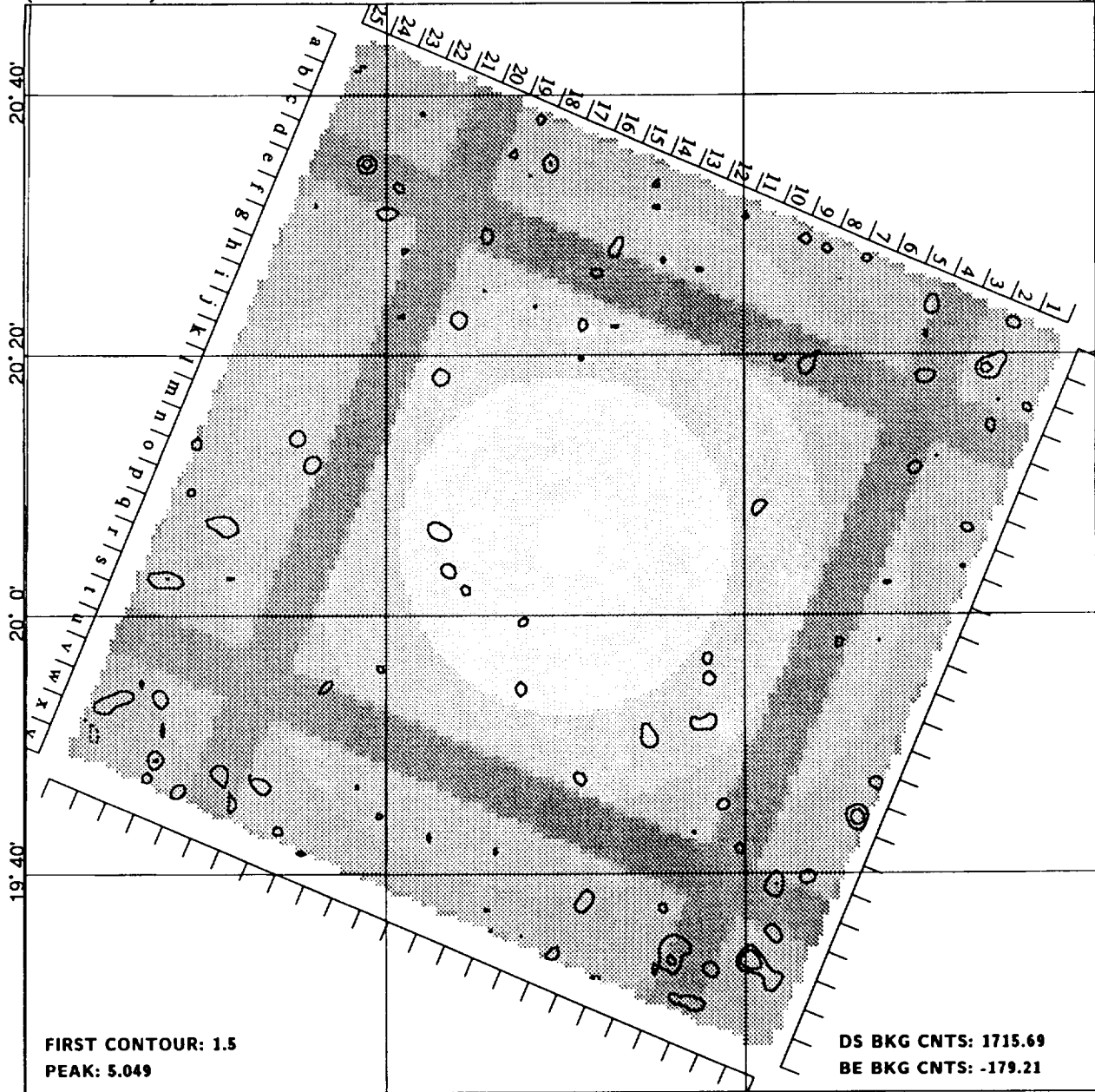
DATE: 1980/237 - 1980/237
 LIVETIME: 2046.9s
 ROLL ANGLE: -30.3°

NH: 2.3E+21
 REF/ID:
 FIELD FLAGS:

(0h 17m)

I 6728

(0h 17m)



FIRST CONTOUR: 1.5
PEAK: 5.049

DS BKG CNTS: 1715.69
BE BKG CNTS: -179.21

0h 20m

0h 18m

0h 16m

SEARCH FOR HIGH LX QSO'S: 2

FIELD CENTER: 00^h17^m02.1^s 20°05'06" (B1950)
00^h19^m37.8^s 20°21'45" (J2000)
l: 112.90 b: -41.89

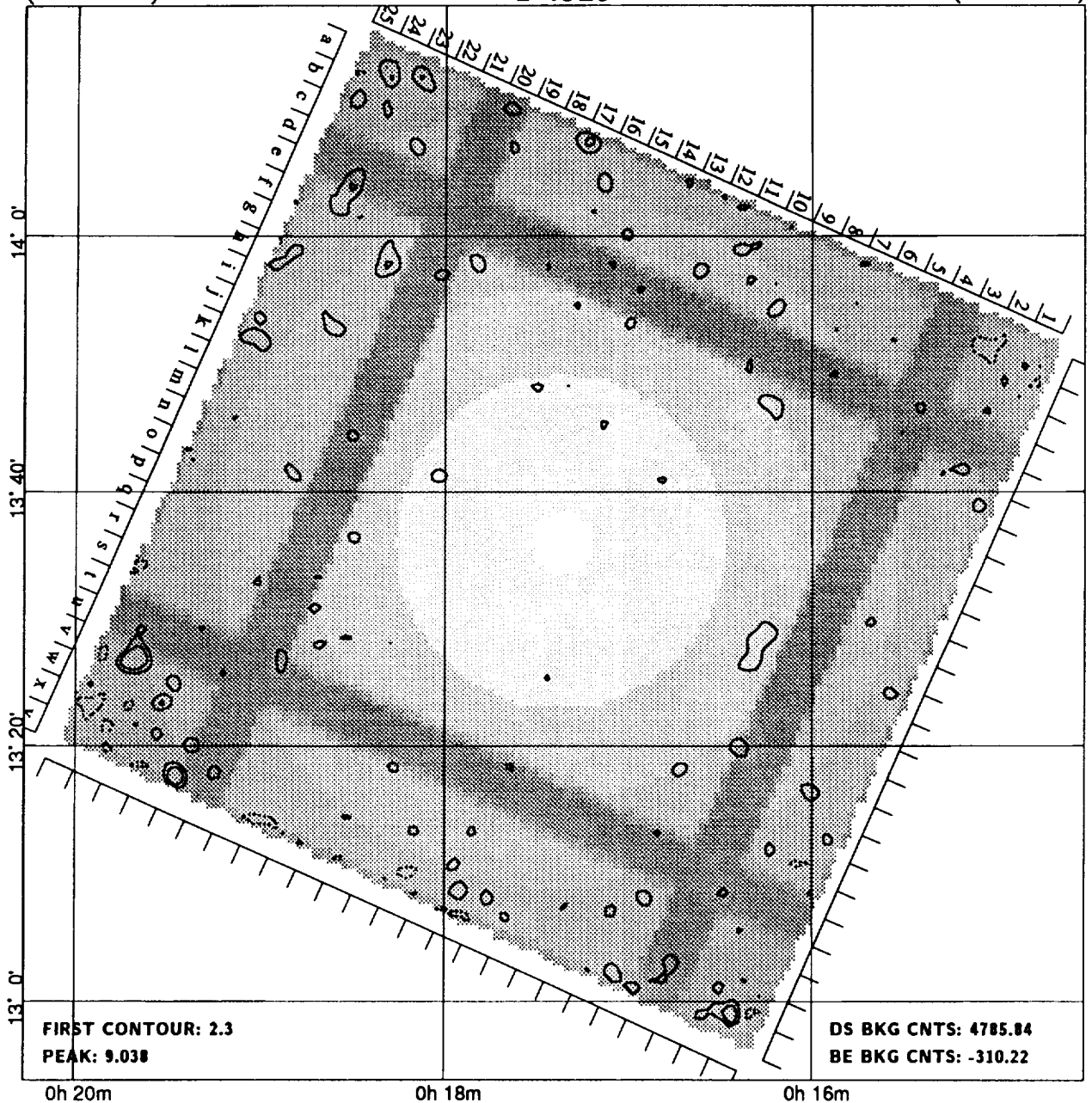
DATE: 1980/ 9 - 1980/ 9
LIVETIME: 1390.3s
ROLL ANGLE: 112.8°

NH: 3.9E+20
REF/ID:
FIELD FLAGS:

(0h 17m)

I 4929

(0h 17m)



FIRST CONTOUR: 2.3
 PEAK: 9.038

DS BKG CNTS: 4785.84
 BE BKG CNTS: -310.22

EG3: CORONAL EMISSION FROM HE-RICH WHITE DWARFS

FIELD CENTER: $00^h 17^m 24.0^s$ $13^\circ 35' 59''$ (B1950)
 $00^h 19^m 59.1^s$ $13^\circ 52' 38''$ (J2000)
 $l: 111.42$ $b: -48.29$

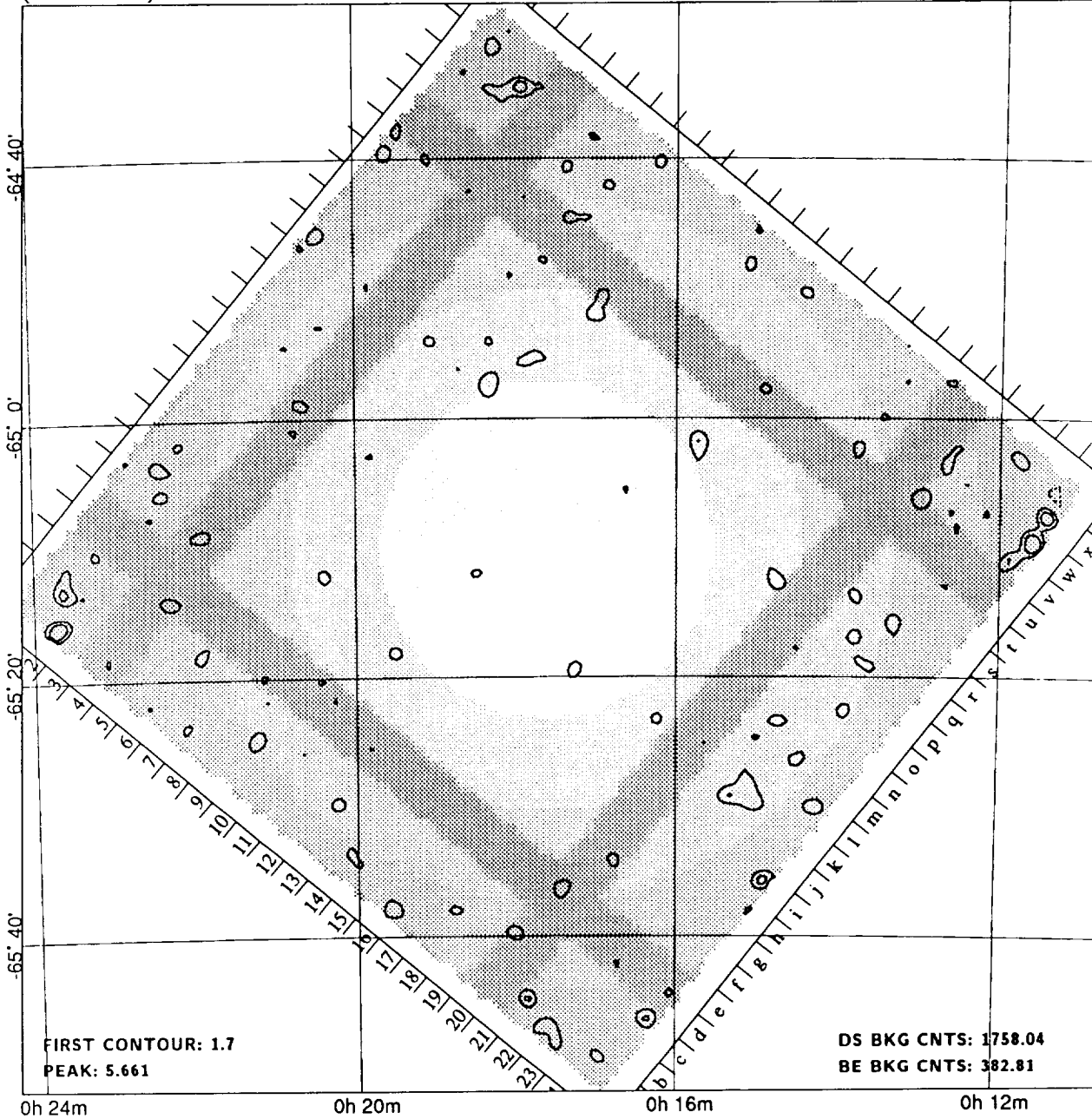
DATE: 1980/ 1 - 1980/ 1
 LIVETIME: 3078.1s
 ROLL ANGLE: 114.0°

NH: $4.4E+20$
 REF/ID:
 FIELD FLAGS:

(0h 17m)

I 5430

(0h 17m)



FIRST CONTOUR: 1.7
 PEAK: 5.661

DS BKG CNTS: 1758.04
 BE BKG CNTS: 382.81

0h 24m

0h 20m

0h 16m

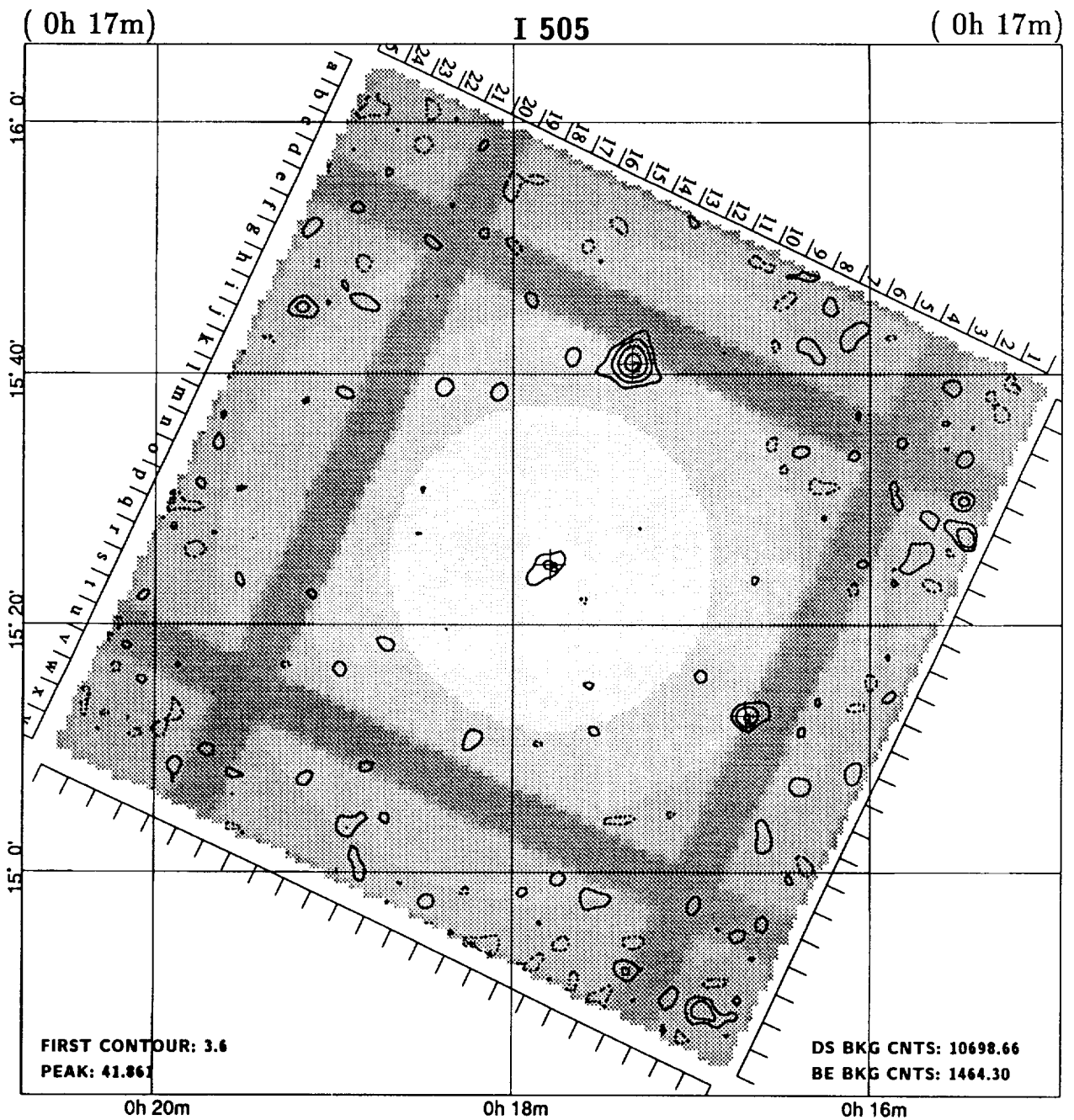
0h 12m

Zeta TUC

FIELD CENTER: $00^h 17^m 28.7^s$ $-65^\circ 10' 06''$ (B1950)
 $00^h 19^m 50.8^s$ $-64^\circ 53' 27''$ (J2000)
 $l: 308.35$ $b: -51.90$

DATE: 1980/143 - 1980/143
 LIVETIME: 1424.6s
 ROLL ANGLE: -50.8°

NH: $1.9E+20$
 REF/ID:
 FIELD FLAGS:



3CR 9 (QSO 0017+154) QUASAR SURVEY

FIELD CENTER: 00^h17^m49.8^s 15°24'15" (B1950)
 00^h20^m25.1^s 15°40'54" (J2000)
 l : 112.05 b : -46.53

DATE: 1979/ 7 - 1979/ 7
 LIVETIME: 8669.4s
 ROLL ANGLE: 115.3°

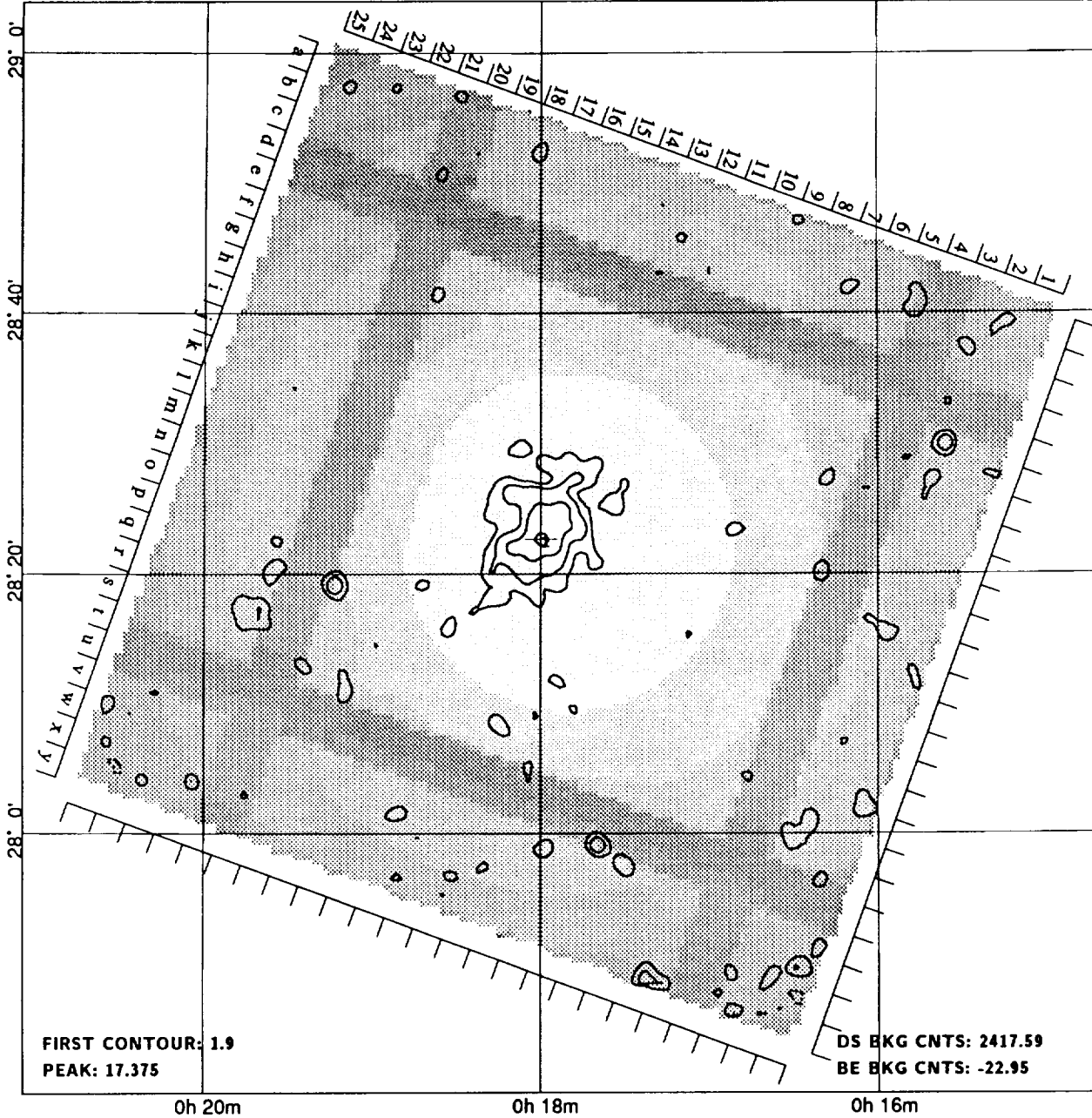
NH: 4.1E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
60	1	00 16 41.8	15 12 39	51	*0.0068 0.0015	30.5	16.5	4.5	0.8	805	20.1	AH	
62	2	00 17 20.0	15 40 47	48	*0.0227 0.0024	108.9	19.1	9.6	1.1	501	17.9	AH	
64	3	00 17 47.4	15 24 46	36	0.0045 0.0012	29.4	30.6	3.8	0.7	0	0.6	H	Q

(0h 17m)

I 6012

(0h 17m)



A21, RICH CLUSTERS WITH DOMINANT GALAXIES

FIELD CENTER: 00^h17^m54.0^s 28°21'59" (B1950)
 00^h20^m30.8^s 28°38'38" (J2000)
l: 114.77 *b*: -33.74

DATE: 1980/358 - 1980/358
 LIVETIME: 1959.0s
 ROLL ANGLE: 110.0°

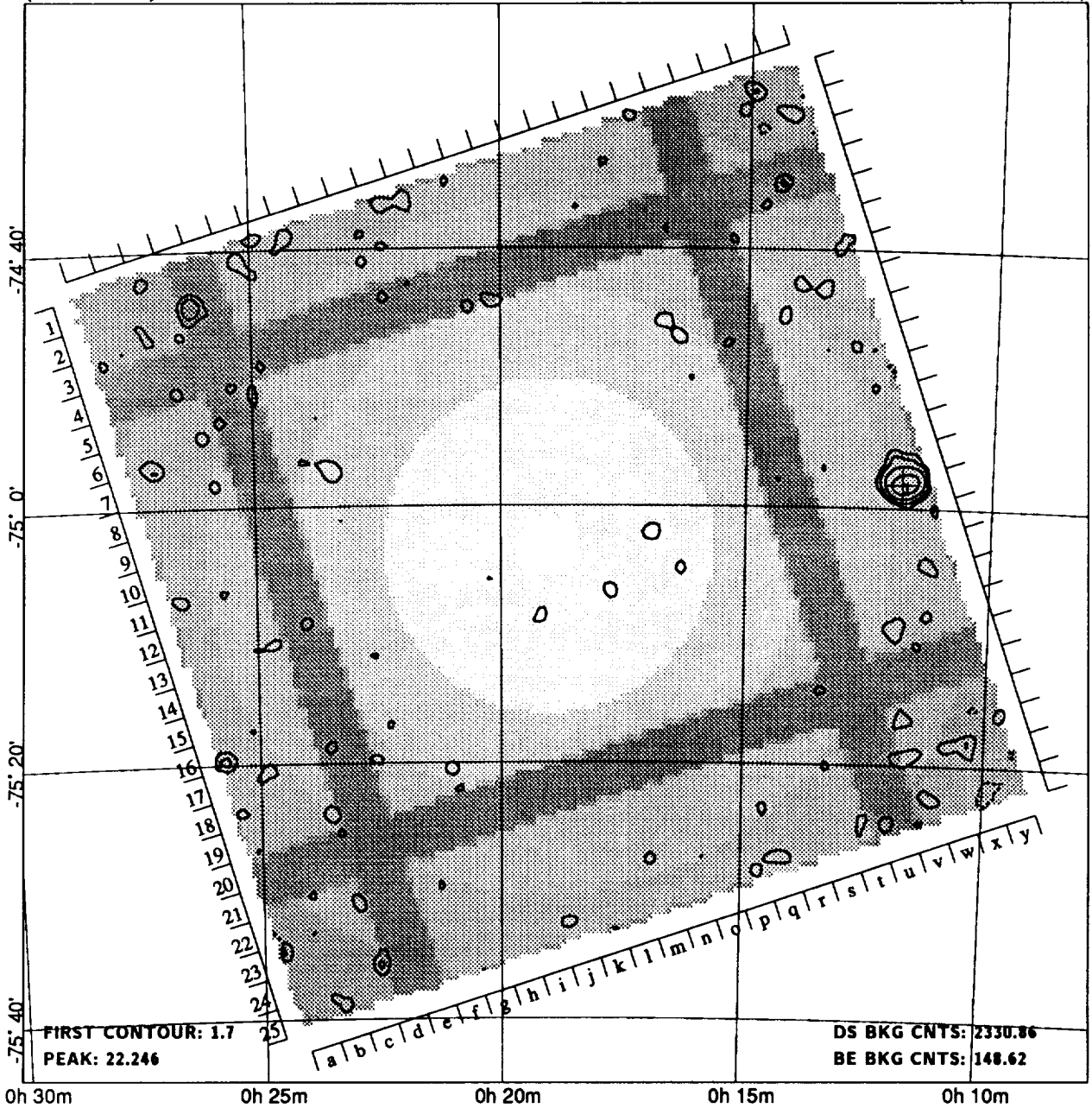
NH: 4.4E+20
 REF/ID:
 FIELD FLAGS: D

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
65	1	00 17 59.9	28 22 38	34	0.0494 0.0061	71.3	5.7	8.1	4.1	0	1.5	H

(0h 18m)

I 620

(0h 18m)



SMC SURVEY

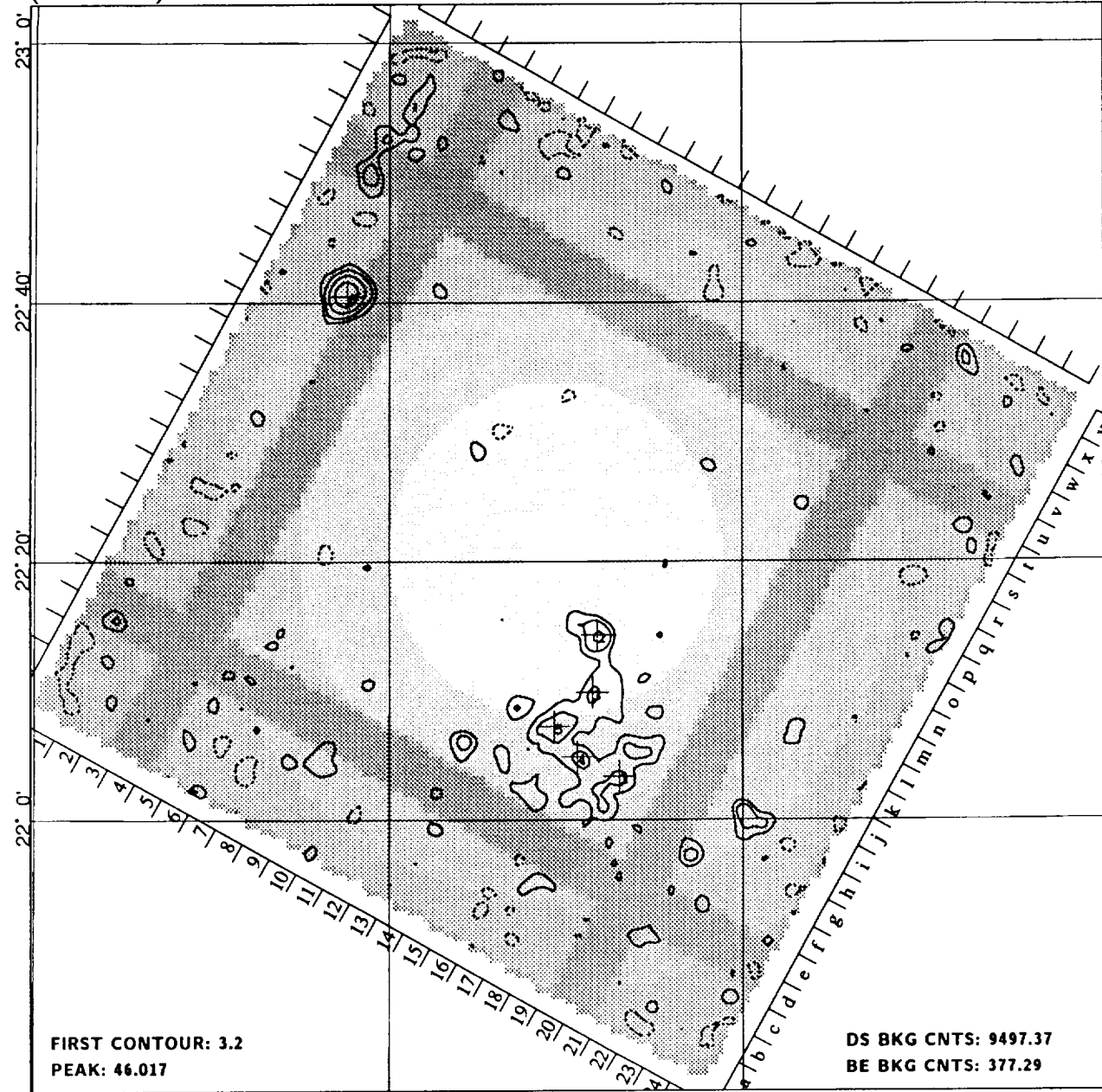
FIELD CENTER: $00^h 10^m 51.1^s$ $-75^\circ 03' 04''$ (B1950) DATE: 1979/121 - 1980/105 NH: 5.1E+20
 $00^h 21^m 03.3^s$ $-74^\circ 46' 25''$ (J2000) LIVETIME: 1888.8s REF/ID:
 $l: 305.62$ $b: -42.20$ ROLL ANGLE: -17.9° FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID
37	1	00 11 49.5	-74 58 10	50	0.065	0.010	46.4	4.6	6.5	1.2	0	27.2	H	S

(0h 19m)

I 7765

(0h 19m)



0h 22m

0h 20m

0h 18m

Z479-1, SPIRAL-RICH CLUSTERS OF GALAXIES

FIELD CENTER: 00^h19^m00.0^s 22°20'59" (B1950)
 00^h21^m36.2^s 22°37'38" (J2000)
l: 113.97 *b*: -39.72

DATE: 1980/201 - 1980/201
 LIVETIME: 7696.0s
 ROLL ANGLE: -61.0°

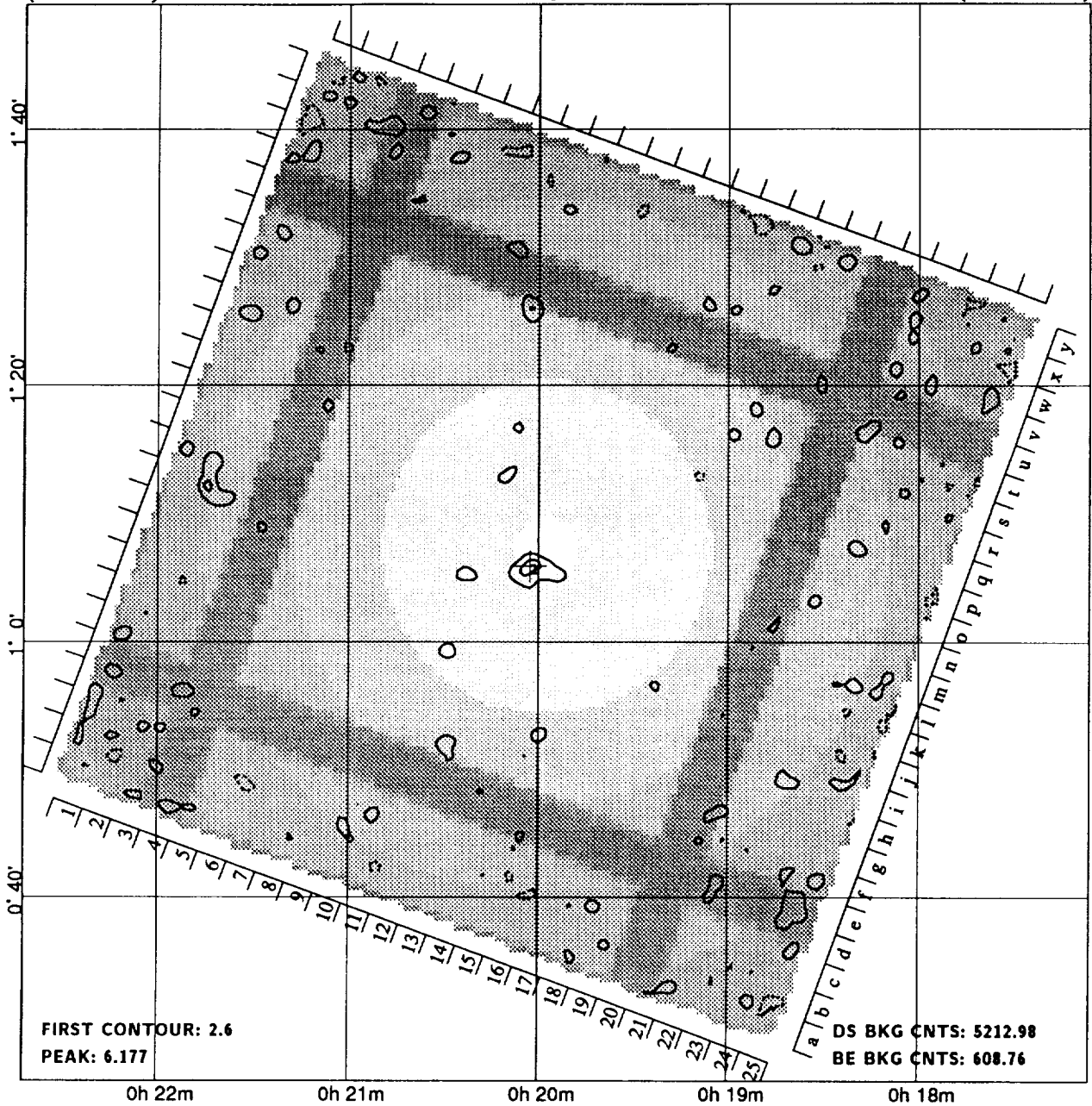
NH: 4.0E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
66	1	00 18 41.7	22 03 22	55	0.0058	0.0016	24.2	18.8	3.7	8.1	0	18.0	H
67	2	00 18 49.2	22 14 22	41	0.0097	0.0016	51.9	24.1	6.0	5.9	0	7.0	H
68	3	00 18 50.9	22 09 54	45	0.0058	0.0014	28.9	22.1	4.1	9.5	0	11.0	H
69	4	00 18 56.1	22 04 53	55	0.0058	0.0015	25.7	19.3	3.8	8.7	0	16.2	
71	5	00 19 03.9	22 07 15	42	0.0083	0.0017	39.3	22.7	5.0	6.5	0	13.8	
76	6	00 20 14.4	22 40 28	48	*0.0303	0.0033	98.2	16.8	9.2	1.1	702	26.3	H

(0h 19m)

I 5114

(0h 19m)



QSO 0019+011(UM232)

FIELD CENTER: 00^h19^m54.0^s 01°07'41" (B1950)
 00^h22^m27.9^s 01°24'20" (J2000)
 l : 108.04 b : -60.63

DATE: 1980/173 - 1980/173
 LIVETIME: 4224.2s
 ROLL ANGLE: -70.0°

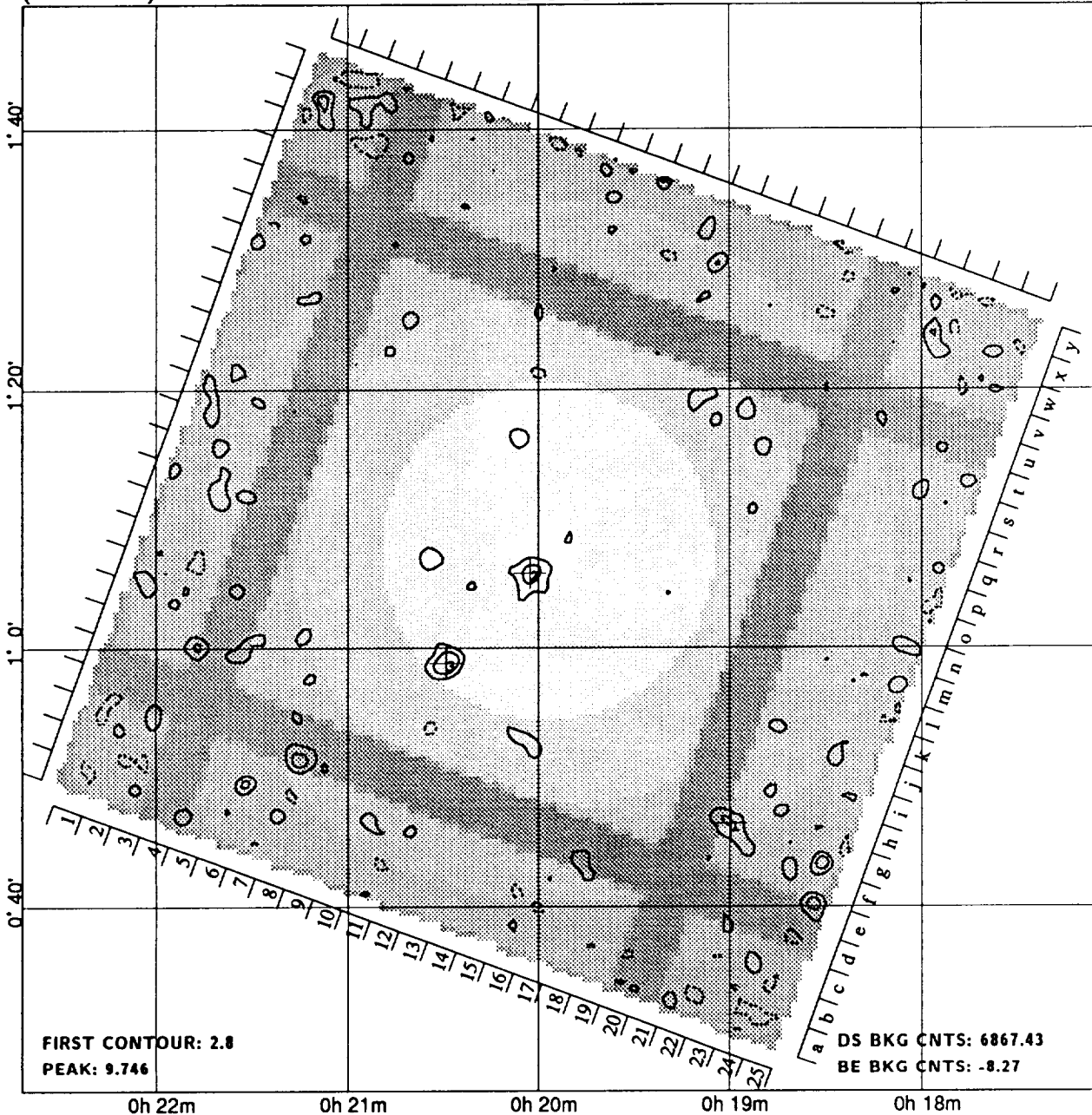
NH: 2.8E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
75	1	00 20 02.6	01 05 55	37	0.0081	0.0020	25.3	13.7	4.0	1.1	0	2.9	AH

(0h 19m)

I 8452

(0h 19m)



FIRST CONTOUR: 2.8
PEAK: 9.746

DS BKG CNTS: 6867.43
BE BKG CNTS: -8.27

OPTICALLY SELECTED QSO'S: MCS 232

FIELD CENTER: 00^h19^m54.0^s 01°07'41" (B1950)
00^h22^m27.9^s 01°24'20" (J2000)
l: 108.04 b: -60.63

DATE: 1980/168 - 1980/168
LIVETIME: 5564.9s
ROLL ANGLE: -69.9°

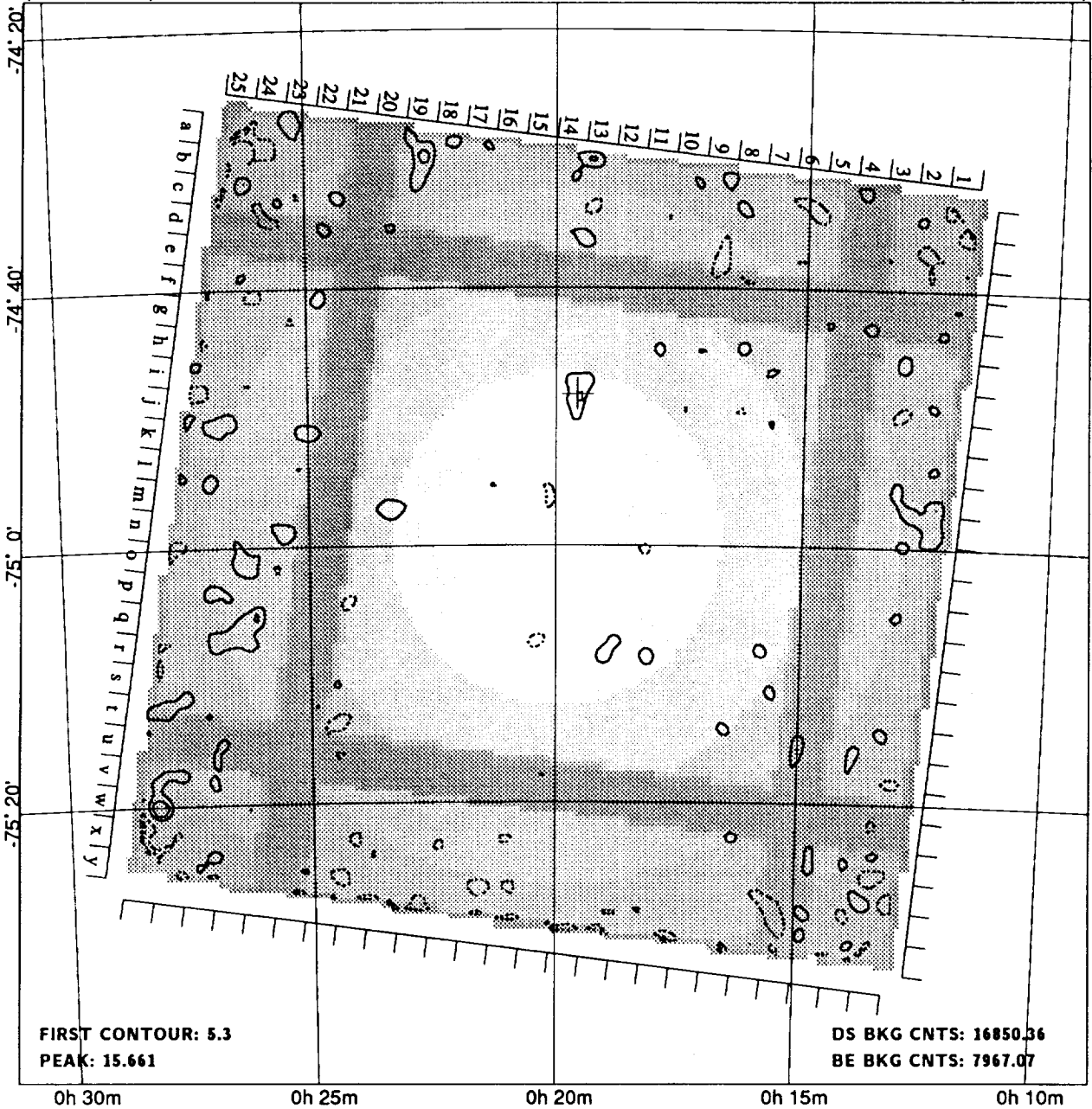
NH: 2.8E+20
REF/ID:
FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
70	1	00 18 59.6	00 46 28	62	*0.0079	0.0022	18.6	9.4	3.5	0.8	704	25.1	H
75	2	00 20 02.7	01 05 50	36	0.0070	0.0016	28.9	16.1	4.3	0.9	0	2.6	AH
79	3	00 20 29.1	00 58 49	42	0.0089	0.0019	31.8	15.2	4.6	0.8	0	12.4	H Q

(0h 20m)

I 9127

(0h 20m)



SMC STUDY - IPC FIELDS

FIELD CENTER: 00^h20^m00.0^s -74°59'59" (B1950)
 00^h22^m11.1^s -74°43'21" (J2000)
 l : 305.53 b : -42.26

DATE: 1980/360 - 1980/360
 LIVETIME: 13654.3s
 ROLL ANGLE: 97.1°

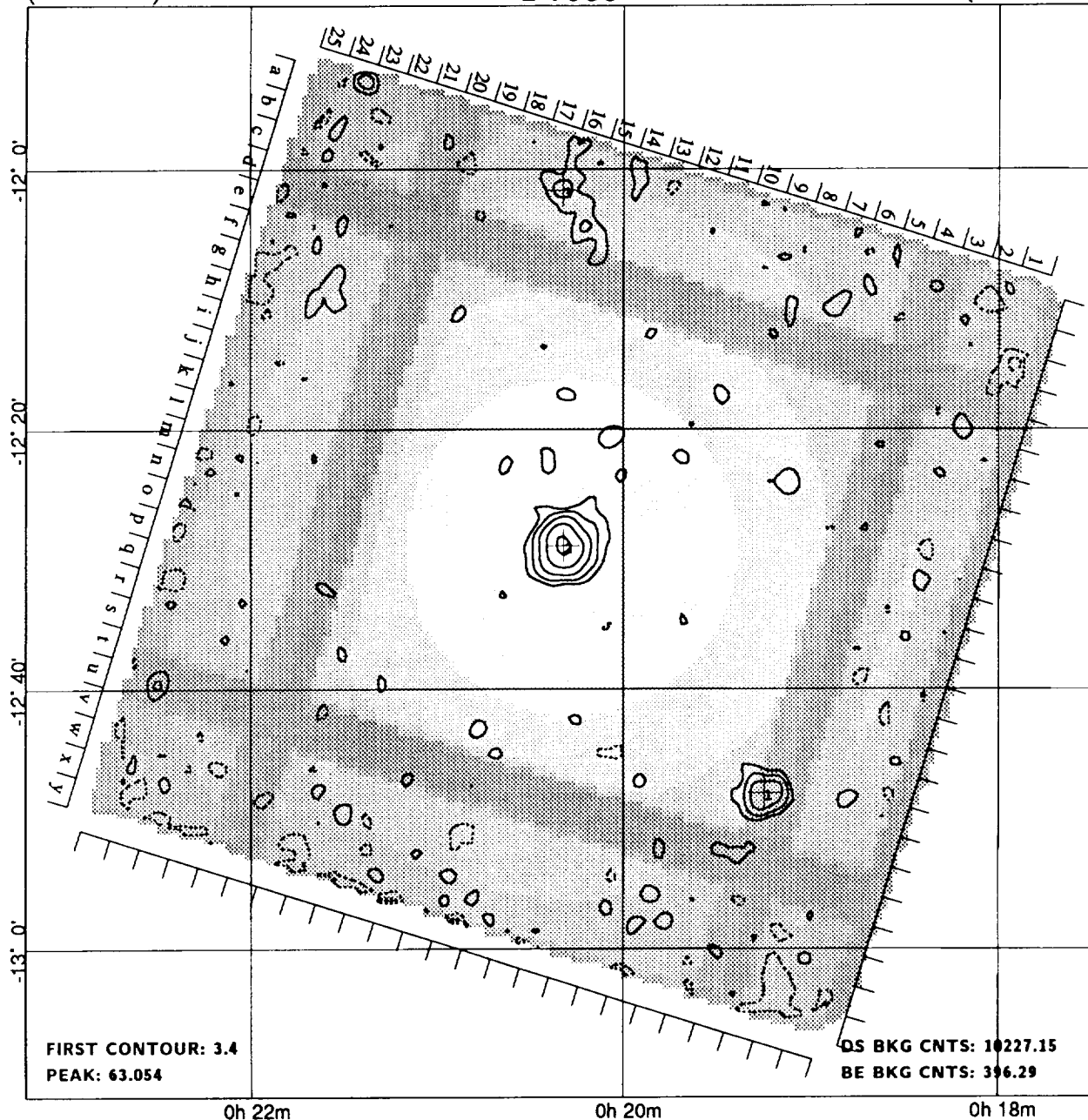
NH: 5.0E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
74	1	00 19 34.2	-74 48 12	50	0.0043	0.0011	38.0	54.0	4.0	0.8	0	12.5	

(0h 20m)

I 7958

(0h 20m)



9 CET(HD 1835),CFA STELLAR SURVEY

FIELD CENTER: 00^h20^m20.0^s -12°29'29" (B1950)
 00^h22^m52.4^s -12°12'51" (J2000)
 l : 97.36 b : -73.65

DATE: 1981/ 16 - 1981/ 17
 LIVETIME: 8287.3s
 ROLL ANGLE: 107.2°

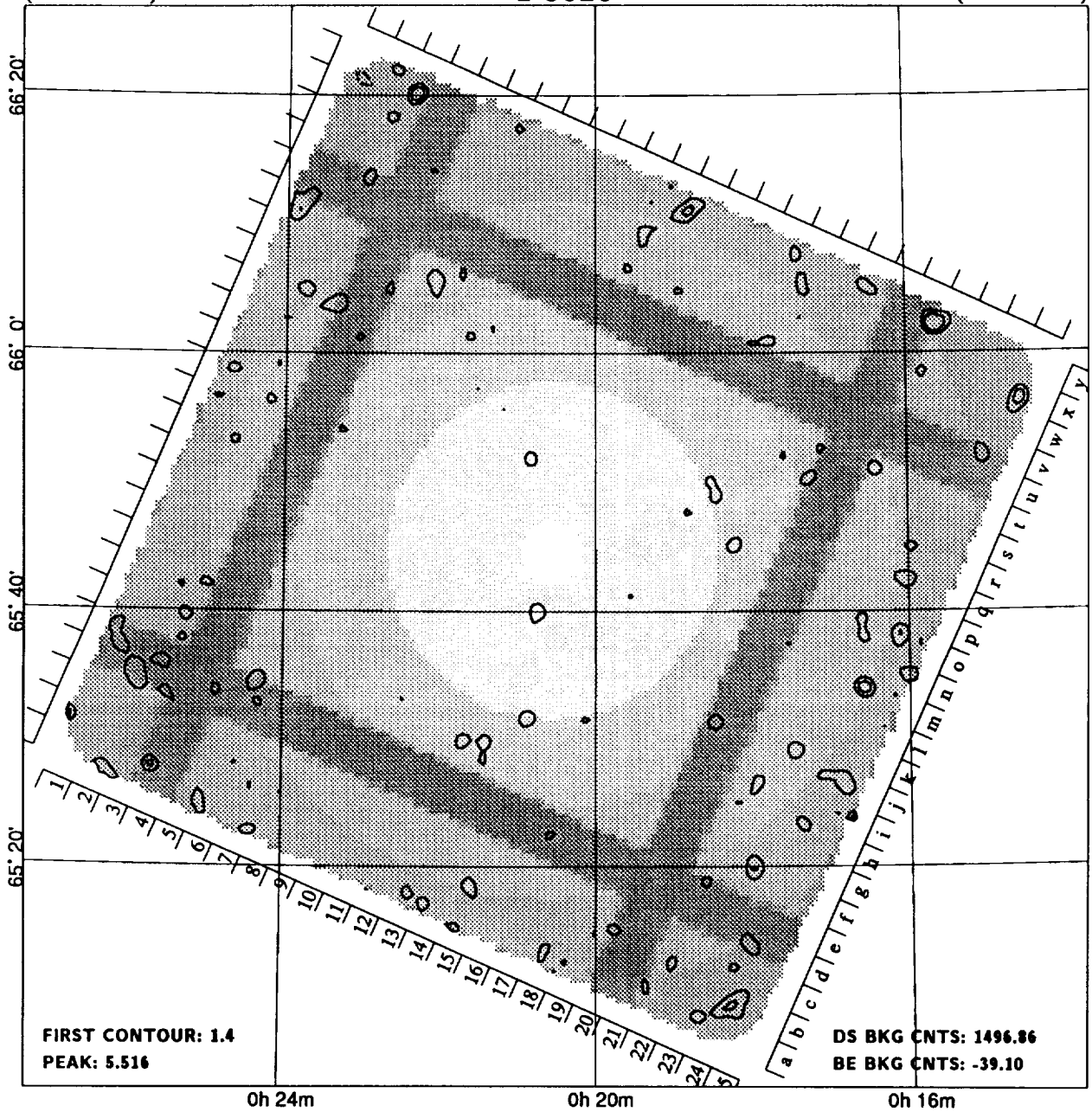
NH: 2.8E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
72	1	00 19 14.7	-12 47 57	50	*0.0214	0.0026	79.2	12.8	8.3	1.2	1108	24.4	H
77	2	00 20 19.2	-12 28 59	31	0.0473	0.0029	292.3	27.7	16.3	1.7	0	0.6	H S
78	3	00 20 19.4	-12 01 38	56	0.0072	0.0020	23.3	17.7	3.6	2.1	0	27.9	

(0h 20m)

I 3626

(0h 20m)



COS-B GAMMA RAY SOURCE REGION A

FIELD CENTER: $00^h 20^m 30.0^s$ $65^\circ 44' 59''$ (B1950)
 $00^h 23^m 18.0^s$ $66^\circ 01' 37''$ (J2000)
 $l: 120.07$ $b: 3.31$

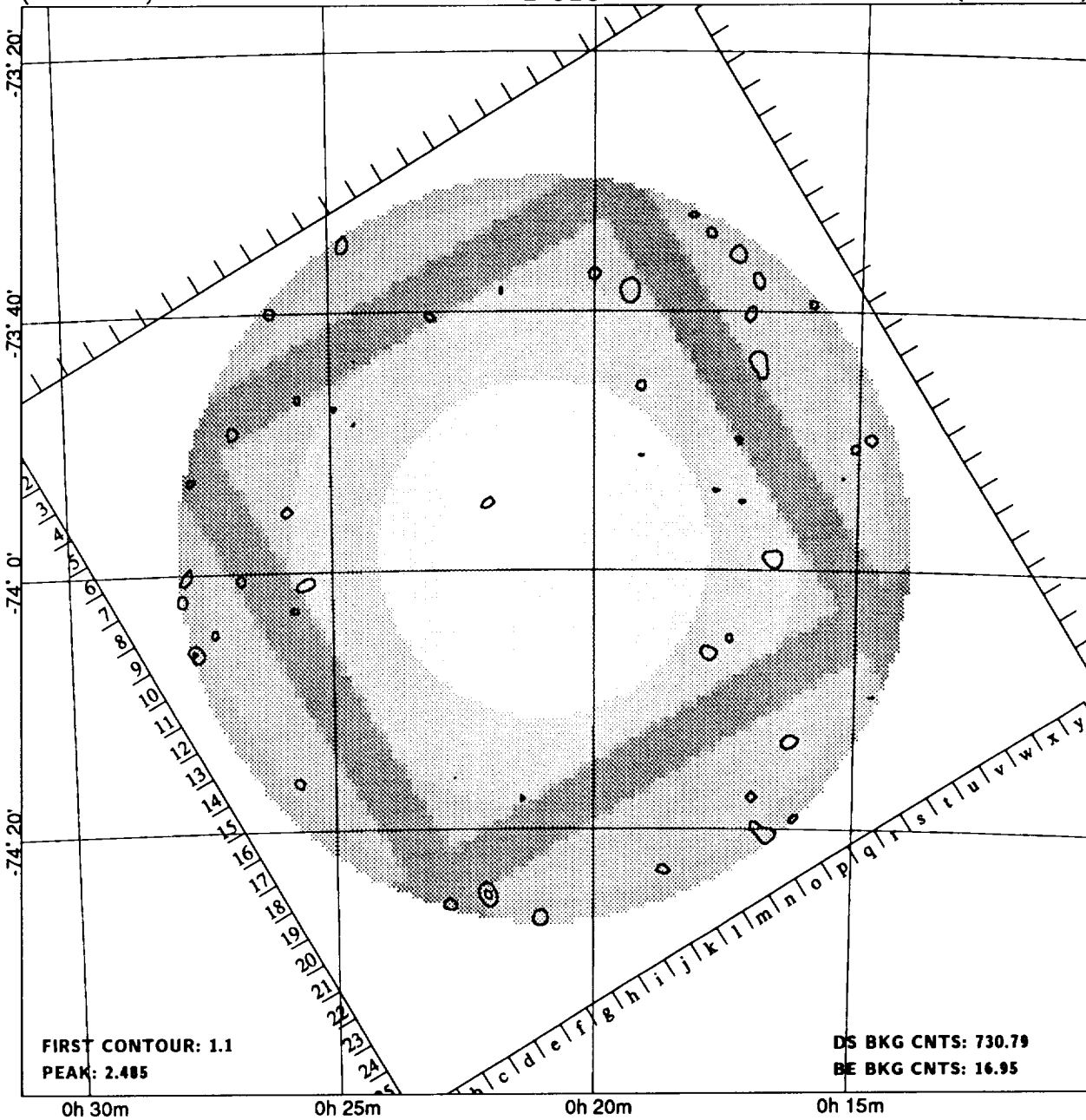
DATE: 1979/193 - 1979/193
 LIVETIME: 1212.9s
 ROLL ANGLE: -66.3°

NH: $9.3E+21$
 REF/ID:
 FIELD FLAGS:

(0h 20m)

I 613

(0h 20m)

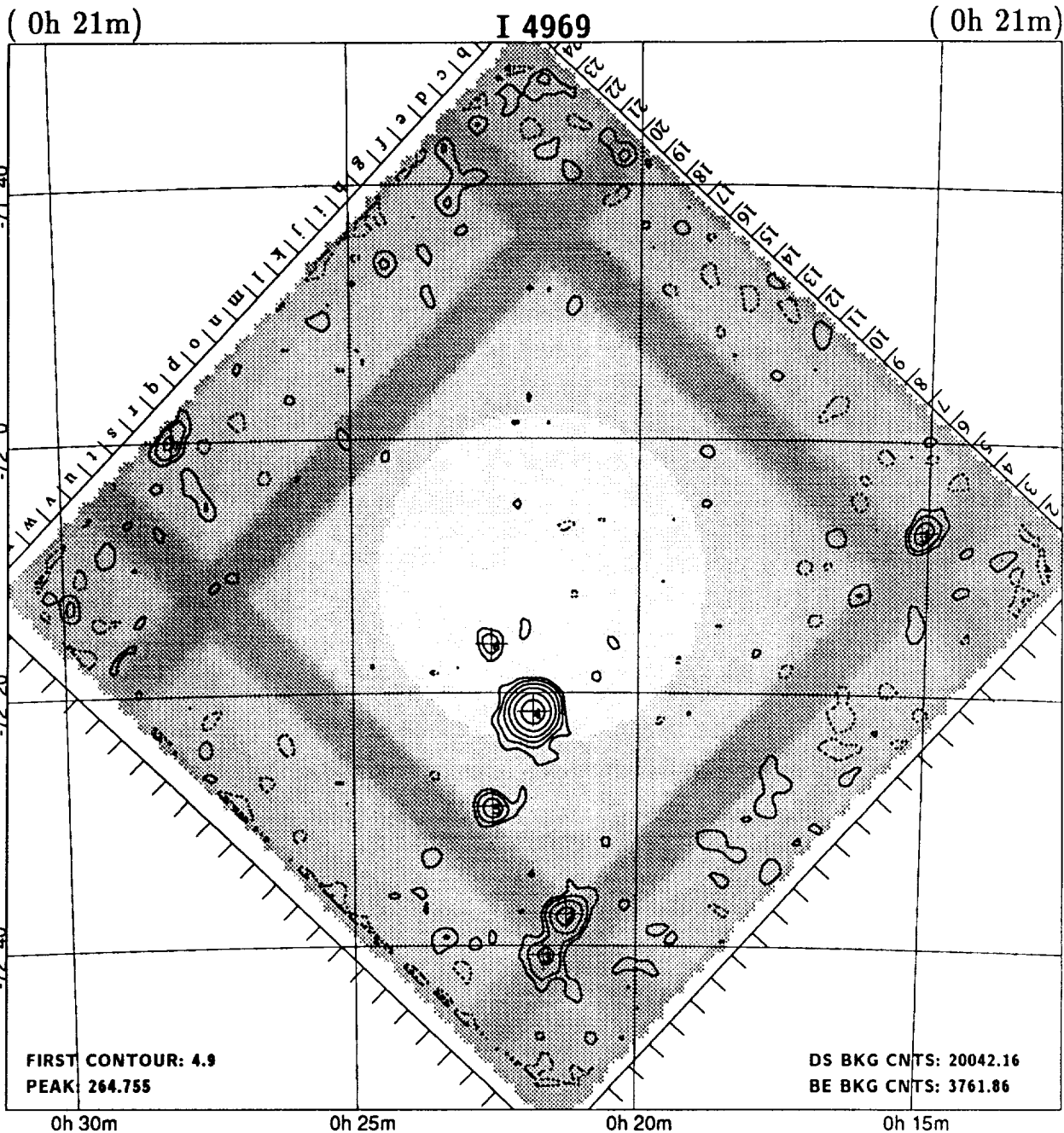


SMC SURVEY

FIELD CENTER: $00^h 20^m 45.6^s$ $-73^\circ 50' 33''$ (B1950)
 $00^h 22^m 57.4^s$ $-73^\circ 41' 55''$ (J2000)
 $l: 305.67$ $b: -43.28$

DATE: 1979/120 - 1979/120
 LIVETIME: 592.2s
 ROLL ANGLE: -31.1°

NH: $4.6E+20$
 REF/ID:
 FIELD FLAGS:



NGC104,SEARCH FOR GLOBULAR CLUSTER WINDS

FIELD CENTER: $00^h 21^m 48.0^s$ $-72^\circ 10' 58''$ (B1950)
 $00^h 24^m 01.2^s$ $-71^\circ 54' 20''$ (J2000)
 $l: 305.94$ $b: -45.06$

DATE: 1979/323 - 1979/326
LIVETIME: 16240.7s
ROLL ANGLE: 133.1°

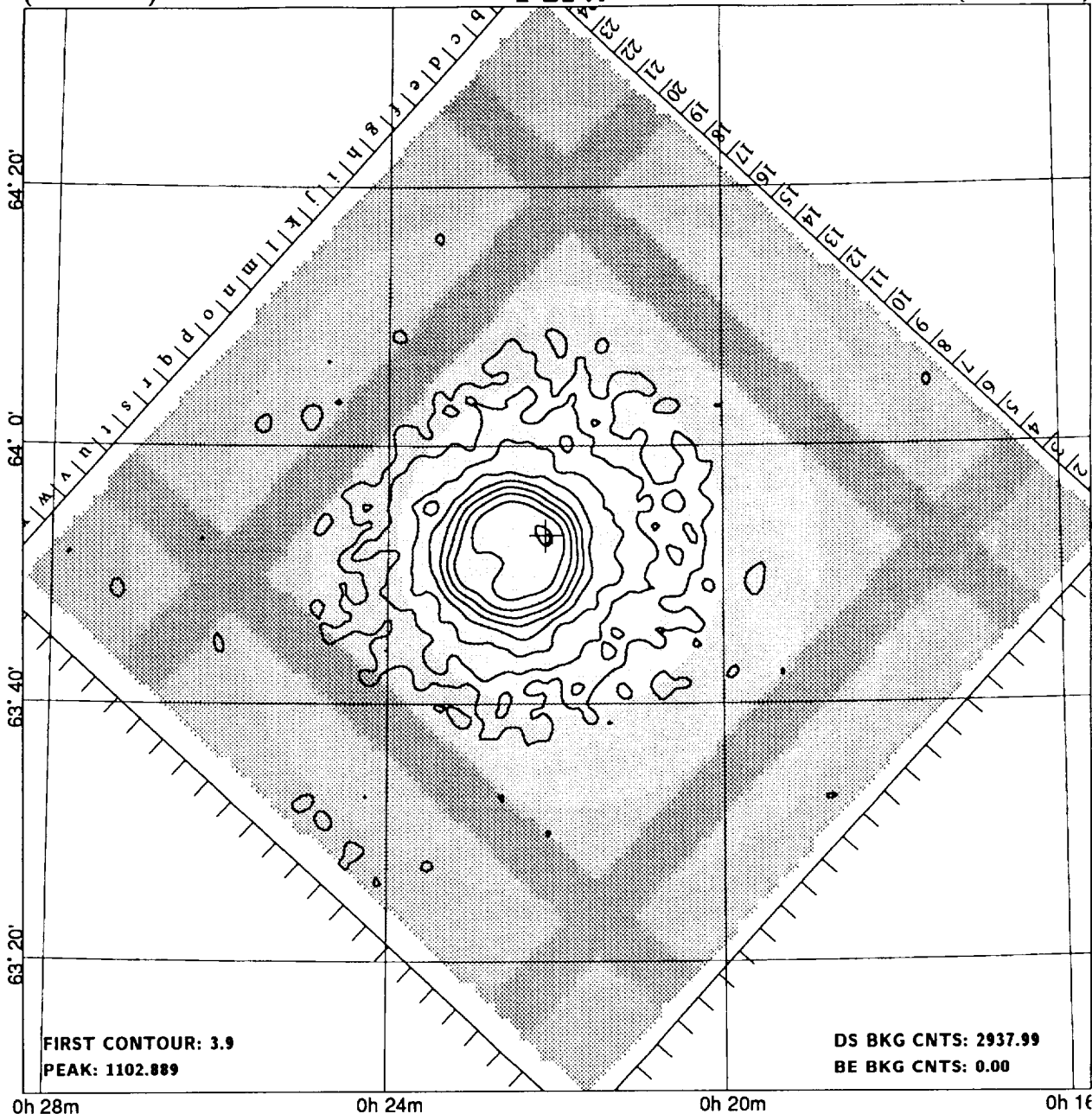
NH: $3.7E+20$
REF/ID: GLB
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
48	1	00 15 06.9	-72 07 04	51	*0.0092	0.0016	51.2	29.8	5.7	0.9	1107	31.0		
80	2	00 21 15.0	-72 37 28	48	*0.0182	0.0018	119.9	28.1	9.9	1.7	1509	26.6	H	
81	3	00 21 38.7	-72 40 41	55	*0.0090	0.0015	51.7	22.3	6.0	3.4	1409	29.5	AH	*
82	4	00 21 50.8	-72 21 28	37	0.0906	0.0030	972.5	55.5	30.3	1.2	0	10.5	H	GLB
84	5	00 22 33.1	-72 29 01	50	0.0091	0.0013	79.2	44.8	7.1	0.9	300	18.3	H	
85	6	00 22 34.5	-72 16 07	41	0.00443	0.00091	50.5	57.5	4.9	0.6	0	6.1	H	
96	7	00 28 04.5	-71 59 58	55	*0.0089	0.0018	43.3	31.7	5.0	1.0	501	31.0	EH	

(0h 22m)

I 2147

(0h 22m)



X-RAY STUDY OF SUPERNOVA REMNANTS: G120.1+1.4=TYCHO

FIELD CENTER: 00^h22^m00.0^s 63°51'59" (B1950)
 00^h24^m47.7^s 64°08'36" (J2000)
l: 120.03 *b*: 1.42

DATE: 1979/ 33 - 1979/ 33
 LIVETIME: 2380.7s
 ROLL ANGLE: 132.4°

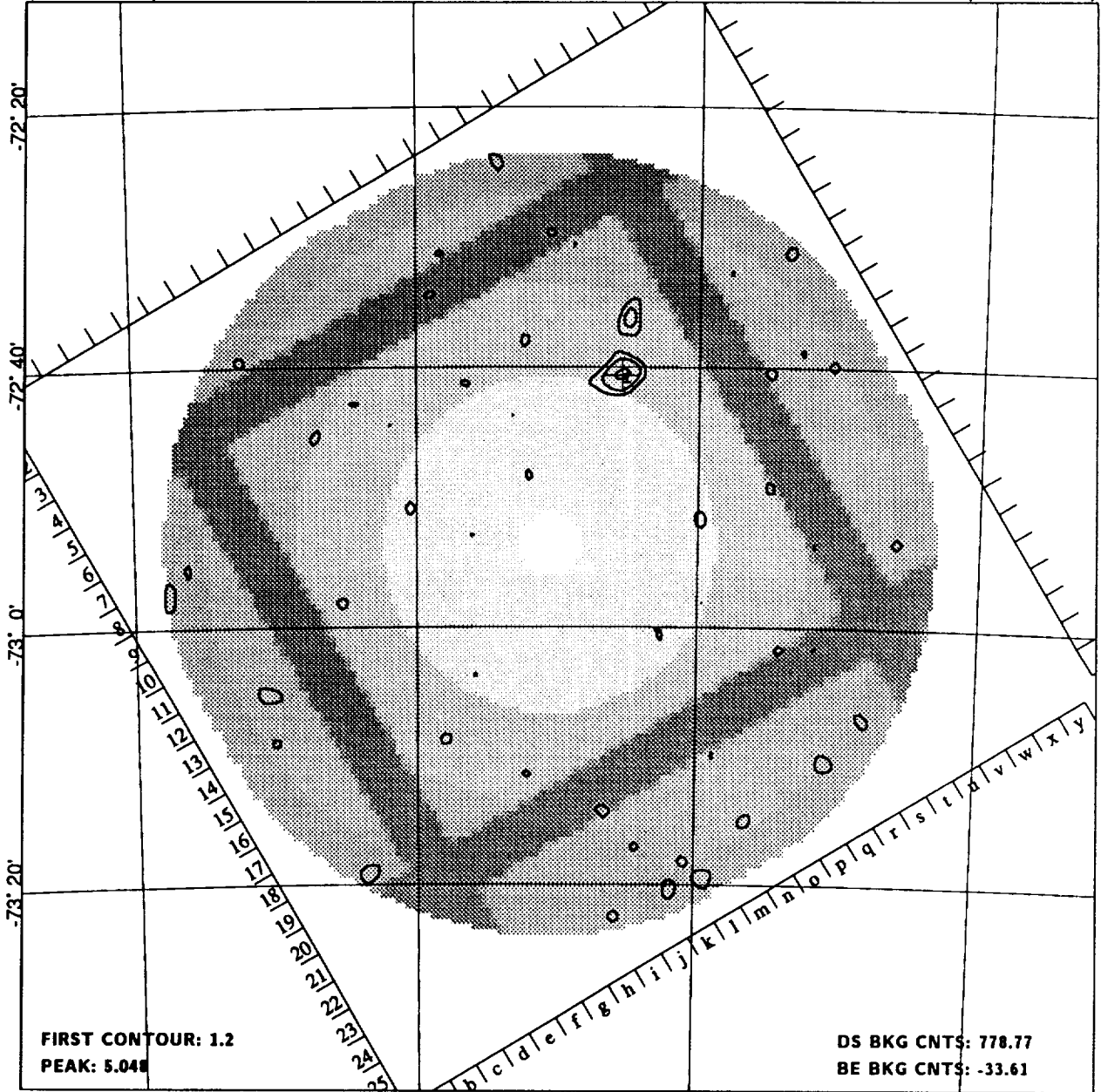
NH: 7.9E+21
 REF/ID: SNR
 FIELD FLAGS: LT

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
83	1L	00 22 07.3	63 53 04	31	1.455 0.053	2559.4	3052.6	27.4	6.8	0	1.3	

(0h 22m)

I 607

(0h 22m)



SMC SURVEY

FIELD CENTER: $00^h 22^m 26.2^s$ $-72^\circ 53' 57''$ (B1950)
 $00^h 24^m 37.9^s$ $-72^\circ 37' 20''$ (J2000)
 $l: 305.73$ $b: -44.36$

DATE: 1979/120 - 1979/120
 LIVETIME: 631.1s
 ROLL ANGLE: -30.6°

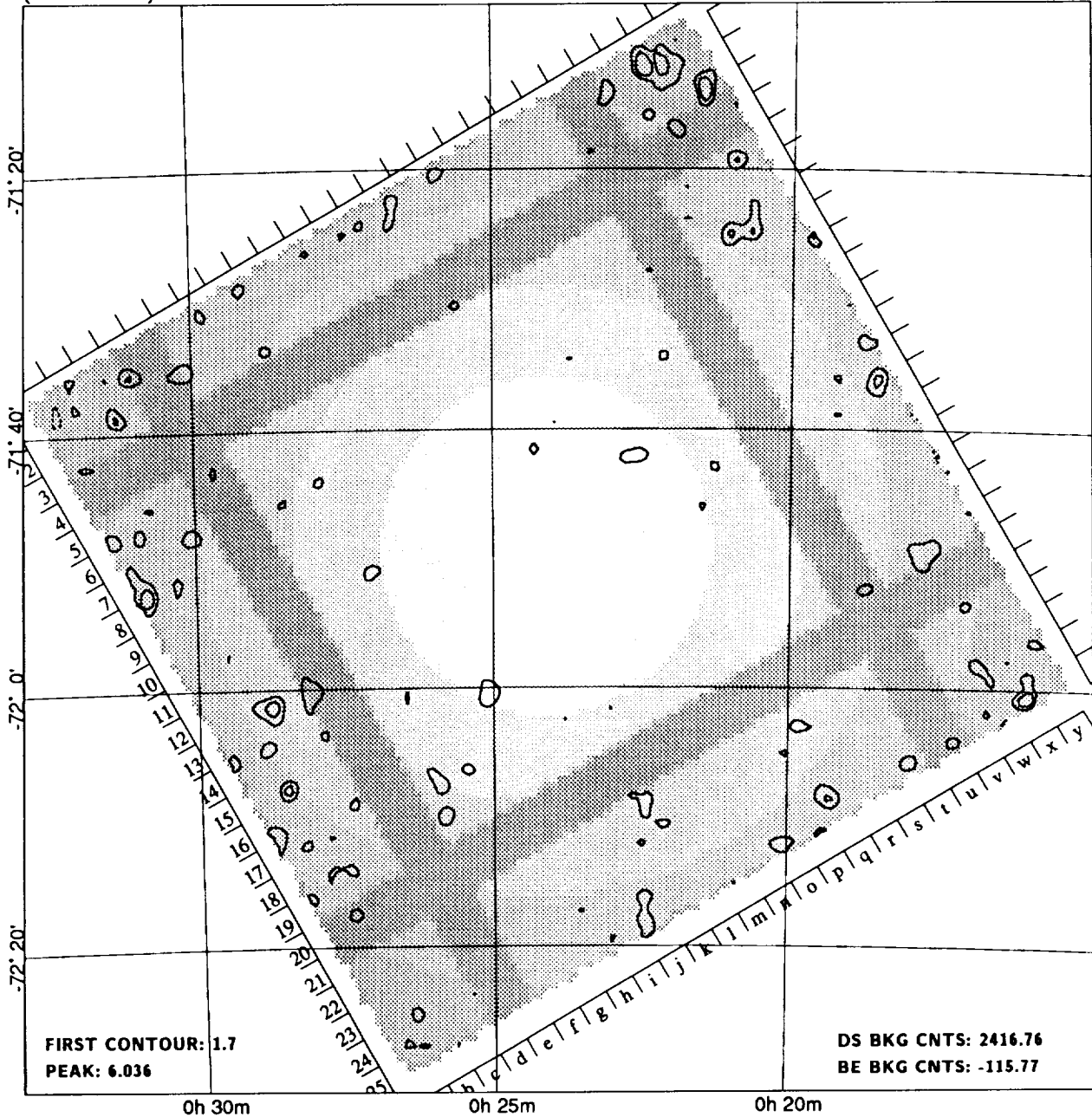
NH: $3.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
81	1	00 21 21.6	-72 40 38	42	0.051	0.012	19.5	1.5	4.3	1.0	0	14.3	AH	*

(0h 23m)

I 602

(0h 23m)



SMC SURVEY

FIELD CENTER: $00^{\circ}23^m55.1^s$ $-71^{\circ}49'20''$ (B1950)
 $00^{\circ}26^m06.9^s$ $-71^{\circ}32'43''$ (J2000)
 $l: 305.78$ $b: -45.44$

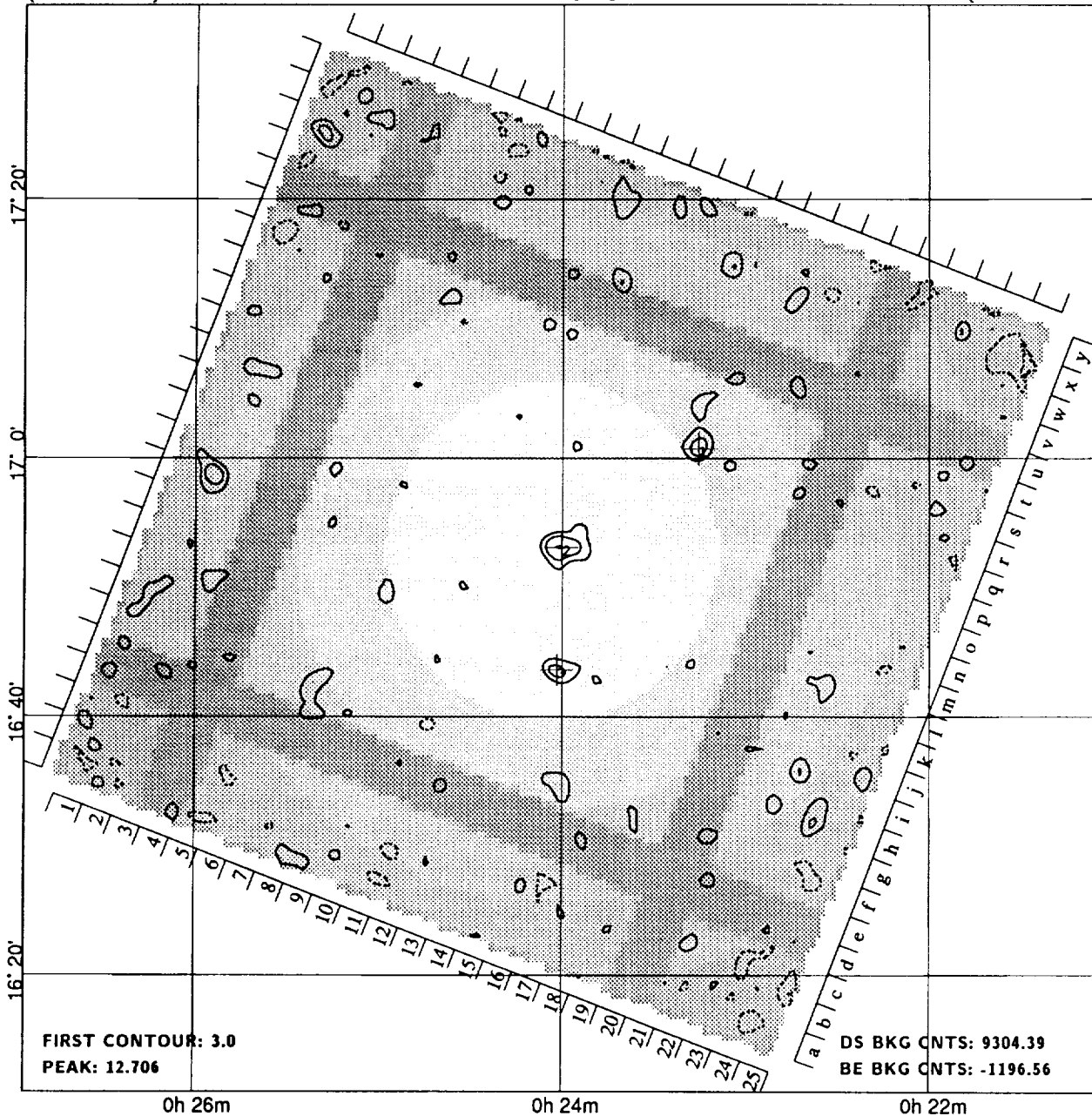
DATE: 1979/120 - 1979/120
LIVETIME: 1958.4s
ROLL ANGLE: -29.9°

NH: 2.9E+20
REF/ID:
FIELD FLAGS:

(0h 24m)

I 1810

(0h 24m)



X-RAY STUDY OF CLUSTERS OF GALAXIES: 0024+1654

FIELD CENTER: 00^h24^m00.0^s 16°52'59" (B1950)
 00^h26^m36.0^s 17°09'36" (J2000)
 l : 114.48 b : -45.30

DATE: 1979/172 - 1979/172
 LIVETIME: 7539.6s
 ROLL ANGLE: -69.0°

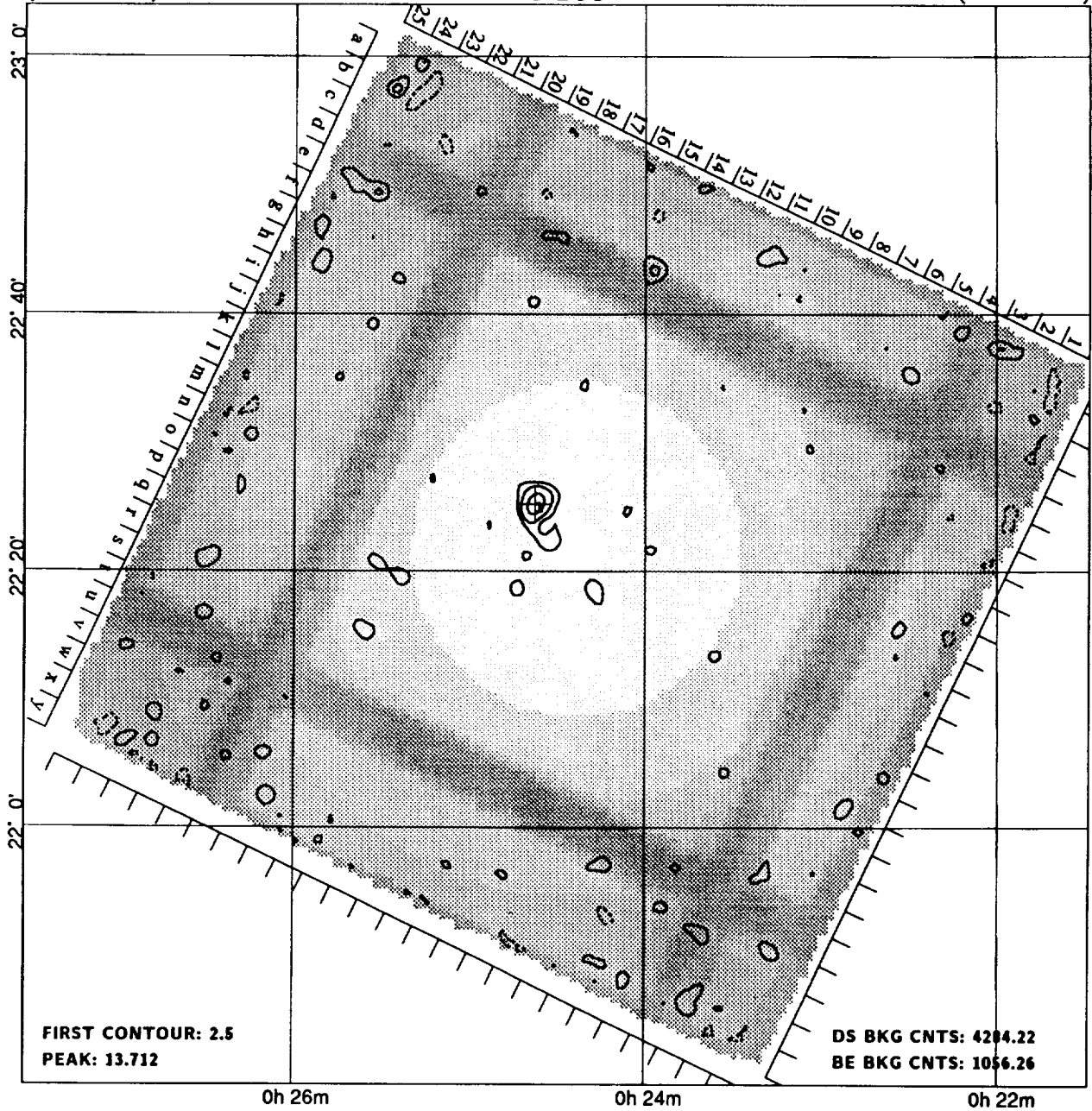
NH: 4.2E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
86	1	00 23 15.3	17 00 42	43	0.0055	0.0014	25.2	16.8	3.9	0.7	0	13.5	H	
87	2	00 24 00.2	16 53 09	35	0.0082	0.0014	45.8	19.2	5.7	1.0	0	0.2	AH	CLG
88	3	00 24 01.7	16 43 41	42	0.0048	0.0013	24.5	19.5	3.7	0.7	0	9.2		

(0h 24m)

I 205

(0h 24m)



A 31 CLUSTER EVOLUTION

FIELD CENTER: $00^h 24^m 30.0^s$ $22^\circ 21' 59''$ (B1950)
 $00^h 27^m 06.9^s$ $22^\circ 38' 35''$ (J2000)
 $l: 115.61$ $b: -39.88$

DATE: 1979/ 7 - 1980/ 11
 LIVETIME: 3471.6s
 ROLL ANGLE: 115.6°

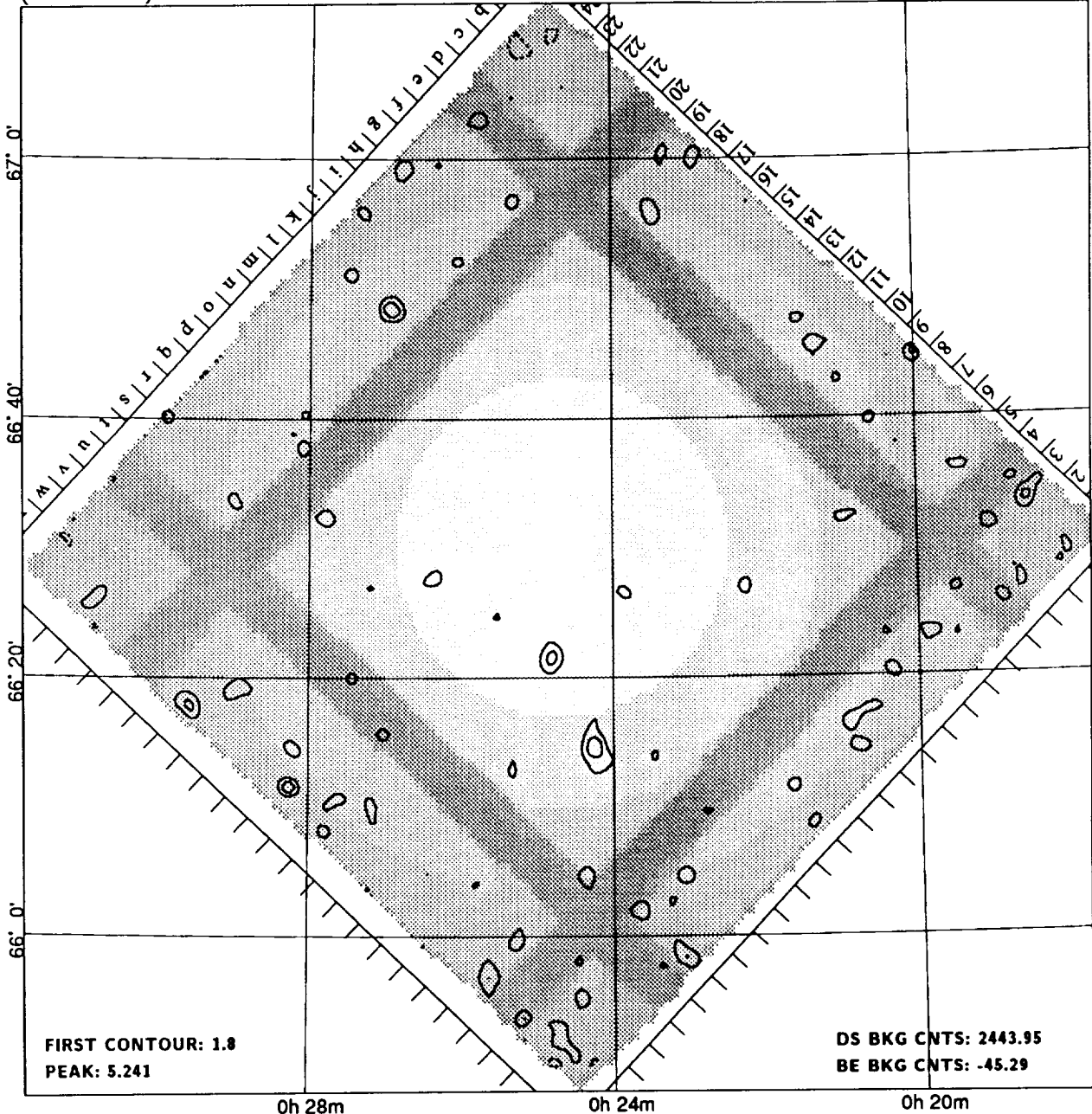
NH: $3.6E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC	ID
89	1	00 24 37.7	22 25 16	35	0.0230	0.0034	57.1	13.9	6.8	1.1	0	3.9	H	CLG

(0h 24m)

I 3629

(0h 24m)



COS-B GAMMA RAY SOURCE REGION A

FIELD CENTER: $00^{\text{h}}24^{\text{m}}45.0^{\text{s}}$ $66^{\circ}29'59''$ (B1950)
 $00^{\text{h}}27^{\text{m}}36.4^{\text{s}}$ $66^{\circ}46'35''$ (J2000)
 l : 120.58 b : 4.01

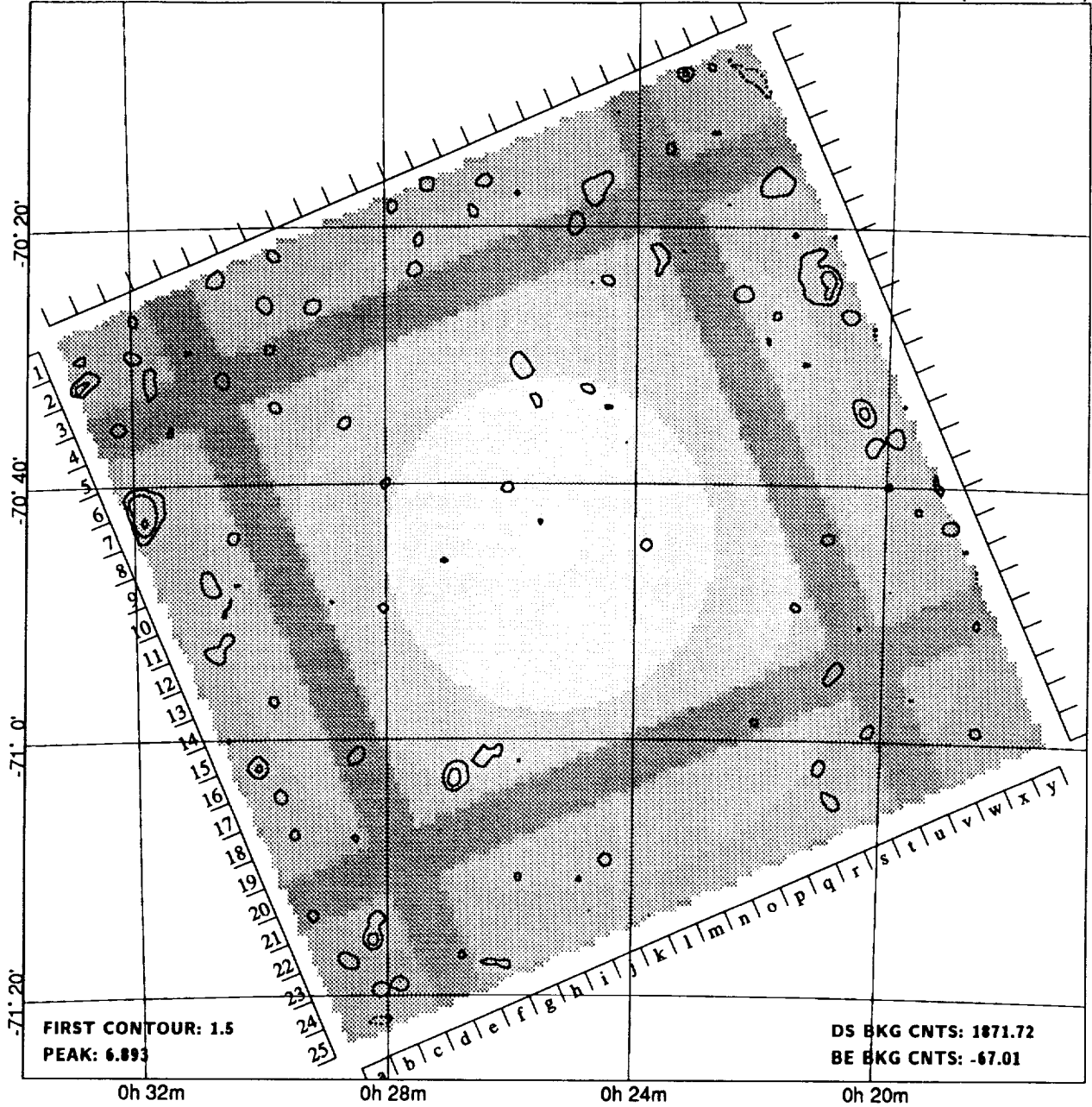
DATE: 1979/ 34 - 1979/ 34
 LIVETIME: 1980.4s
 ROLL ANGLE: 133.3°

NH: $7.5\text{E}+21$
 REF/ID:
 FIELD FLAGS:

(0h 25m)

I 598

(0h 25m)



SMC SURVEY

FIELD CENTER: $00^h 25^m 14.4^s$ $-70^\circ 44' 39''$ (B1950)
 $00^h 27^m 26.4^s$ $-70^\circ 28' 03''$ (J2000)
 $l: 305.84$ $b: -46.52$

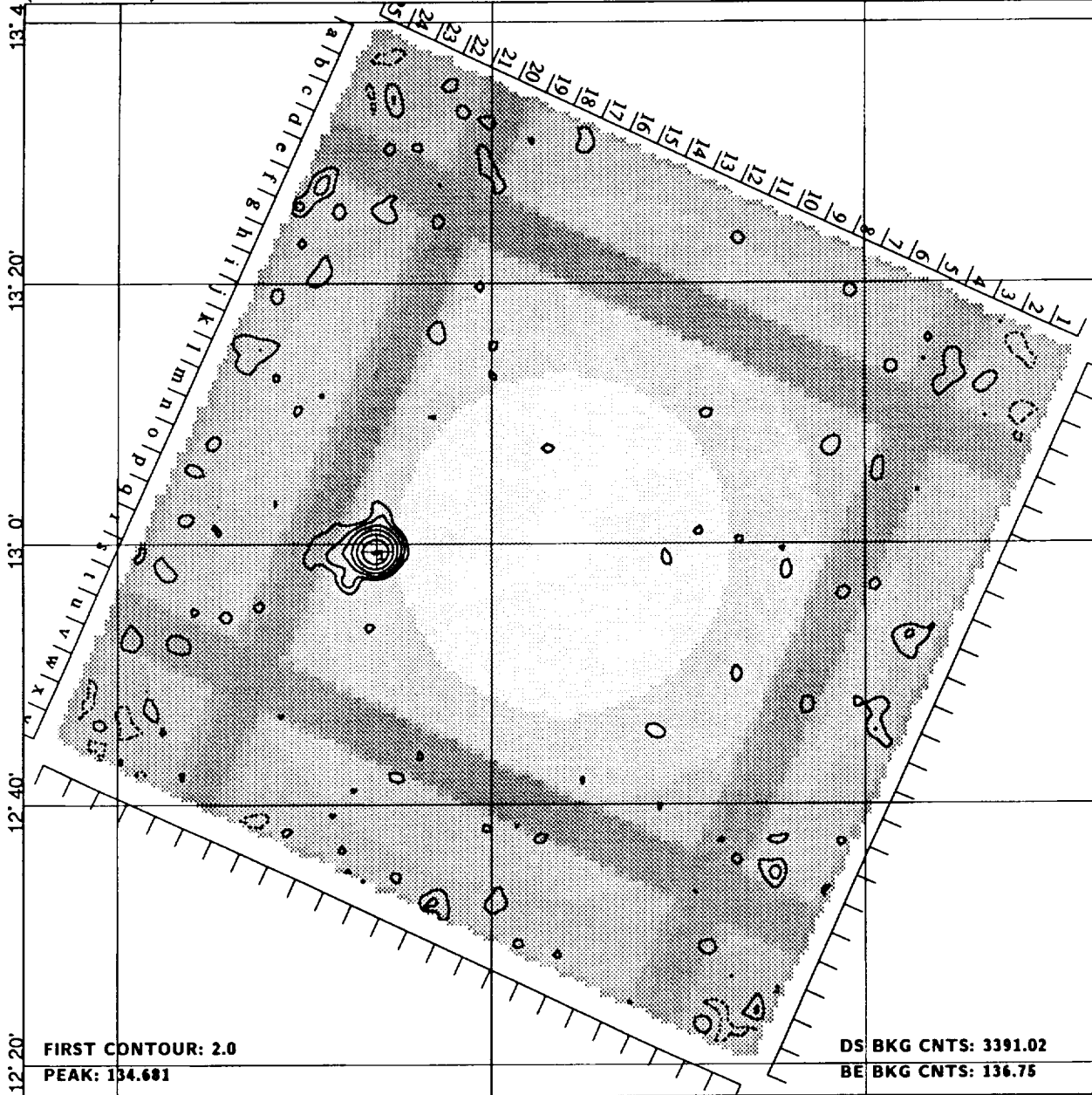
DATE: 1979/120 - 1979/120
 LIVETIME: 1516.7s
 ROLL ANGLE: -23.4°

NH: 2.7E+20
 REF/ID: !
 FIELD FLAGS:

(0h 25m)

I 518

(0h 25m)



PQ0026+129 QUASAR SURVEY

FIELD CENTER: 00^h25^m38.0^s 12°59'28" (B1950)
 00^h28^m13.6^s 13°16'04" (J2000)
 l : 114.27 b : -49.21

DATE: 1979/ 7 - 1979/ 7
 LIVETIME: 2747.8s
 ROLL ANGLE: 114.5°

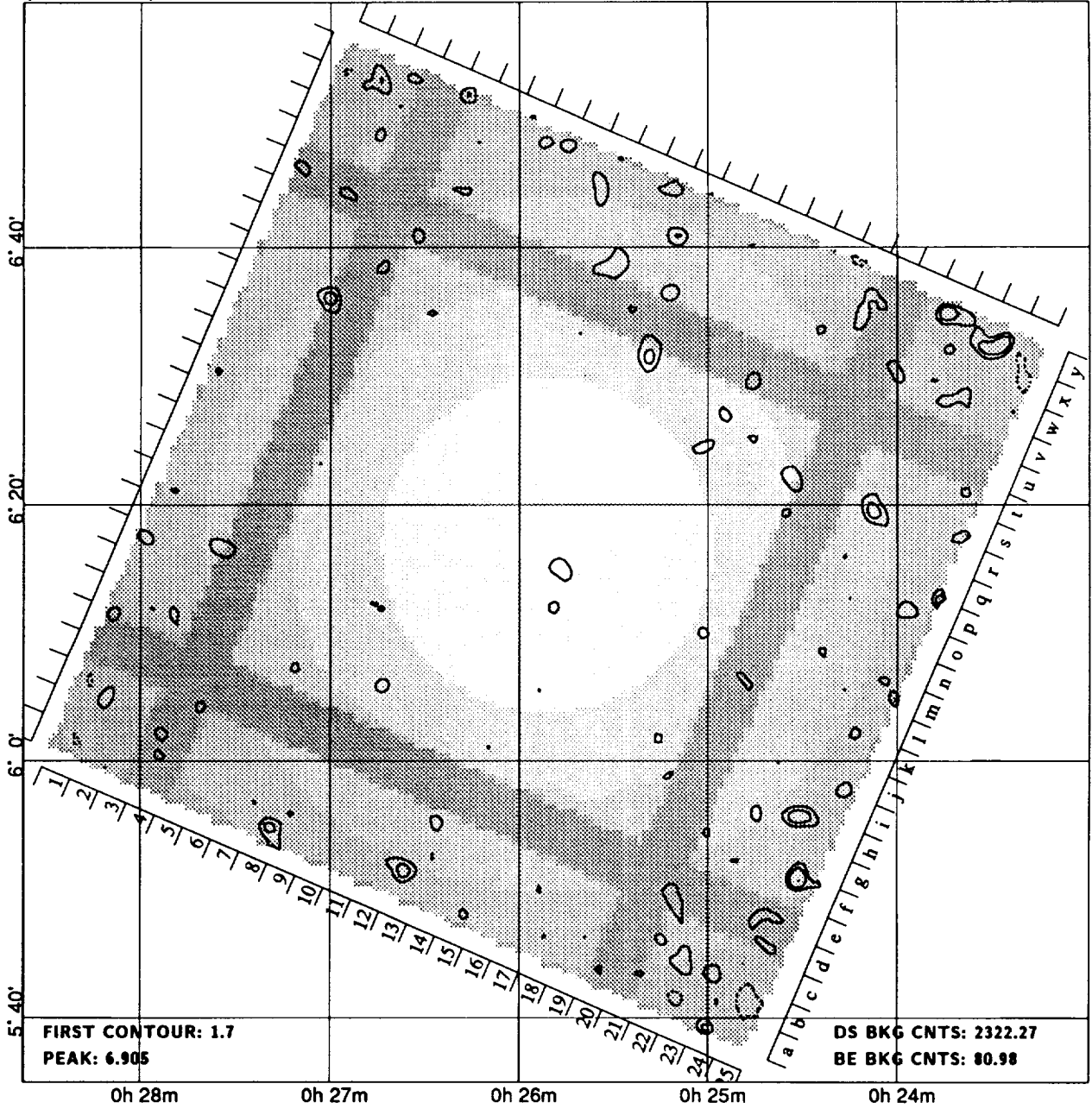
NH: 4.5E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
93	1	00 26 37.0	12 59 23	37	0.246	0.012	403.3	6.7	19.9	1.1	0	14.3	AH Q

(0h 25m)

I 206

(0h 25m)



CO 025.8+0617 CLUSTER EVOLUTION

FIELD CENTER: $00^h 25^m 48.0^s$ $06^\circ 16' 59''$ (B1950)
 $00^h 28^m 22.6^s$ $06^\circ 33' 35''$ (J2000)
 $l: 112.69$ $b: -55.85$

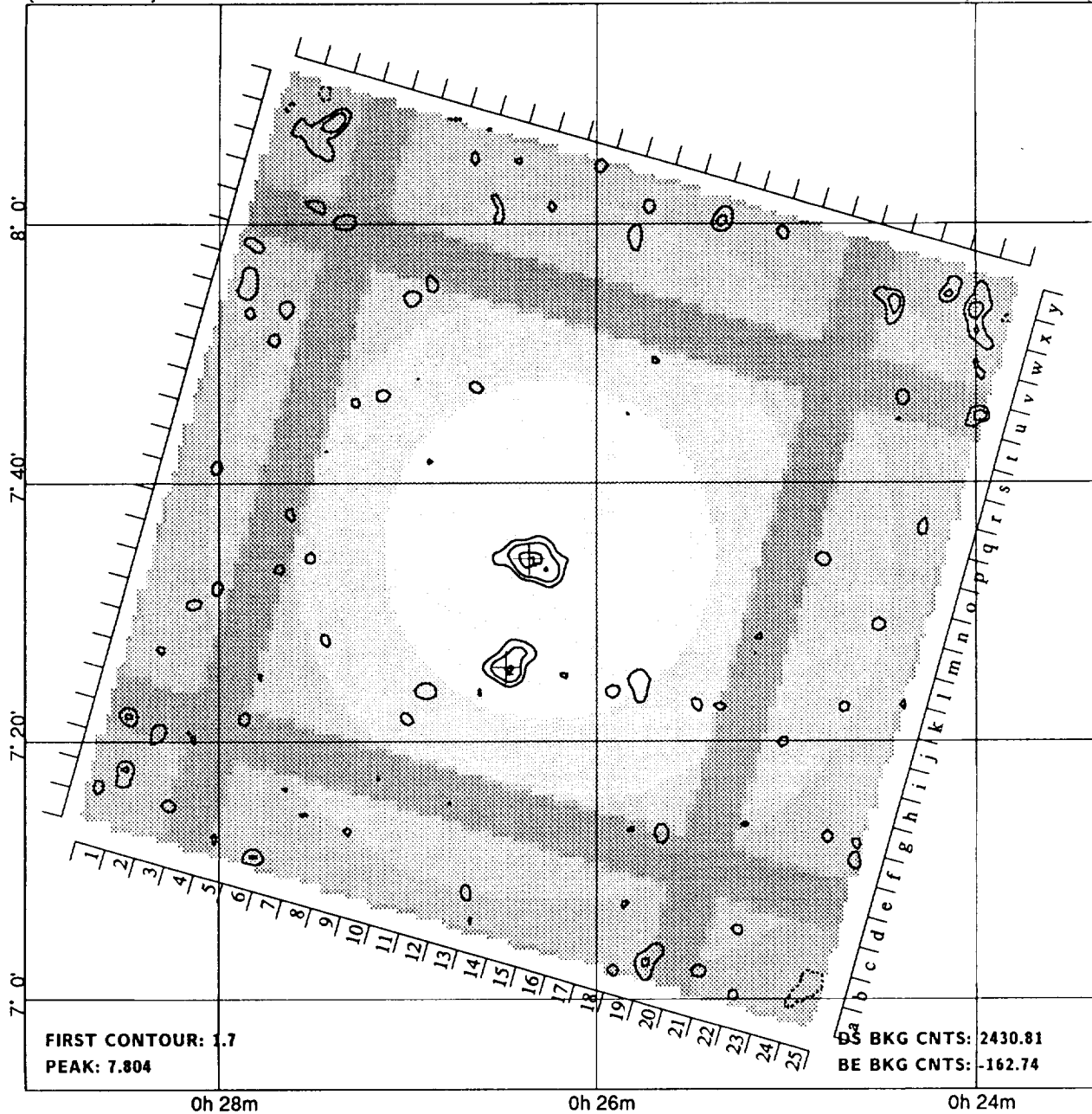
DATE: 1979/181 - 1979/181
 LIVETIME: 1881.8s
 ROLL ANGLE: -66.8°

NH: $3.4E+20$
 REF/ID:
 FIELD FLAGS:

(0h 26m)

I 6839

(0h 26m)



A41.OBSERVATIONS OF BUTCHER-OEMLER CLUSTERS

FIELD CENTER: 00^h26^m12.0^s 07°34'59" (B1950)
 00^h28^m46.8^s 07°51'35" (J2000)
l: 113.22 *b*: -54.58

DATE: 1980/171 - 1980/171
 LIVETIME: 1969.8s
 ROLL ANGLE: -74.2°

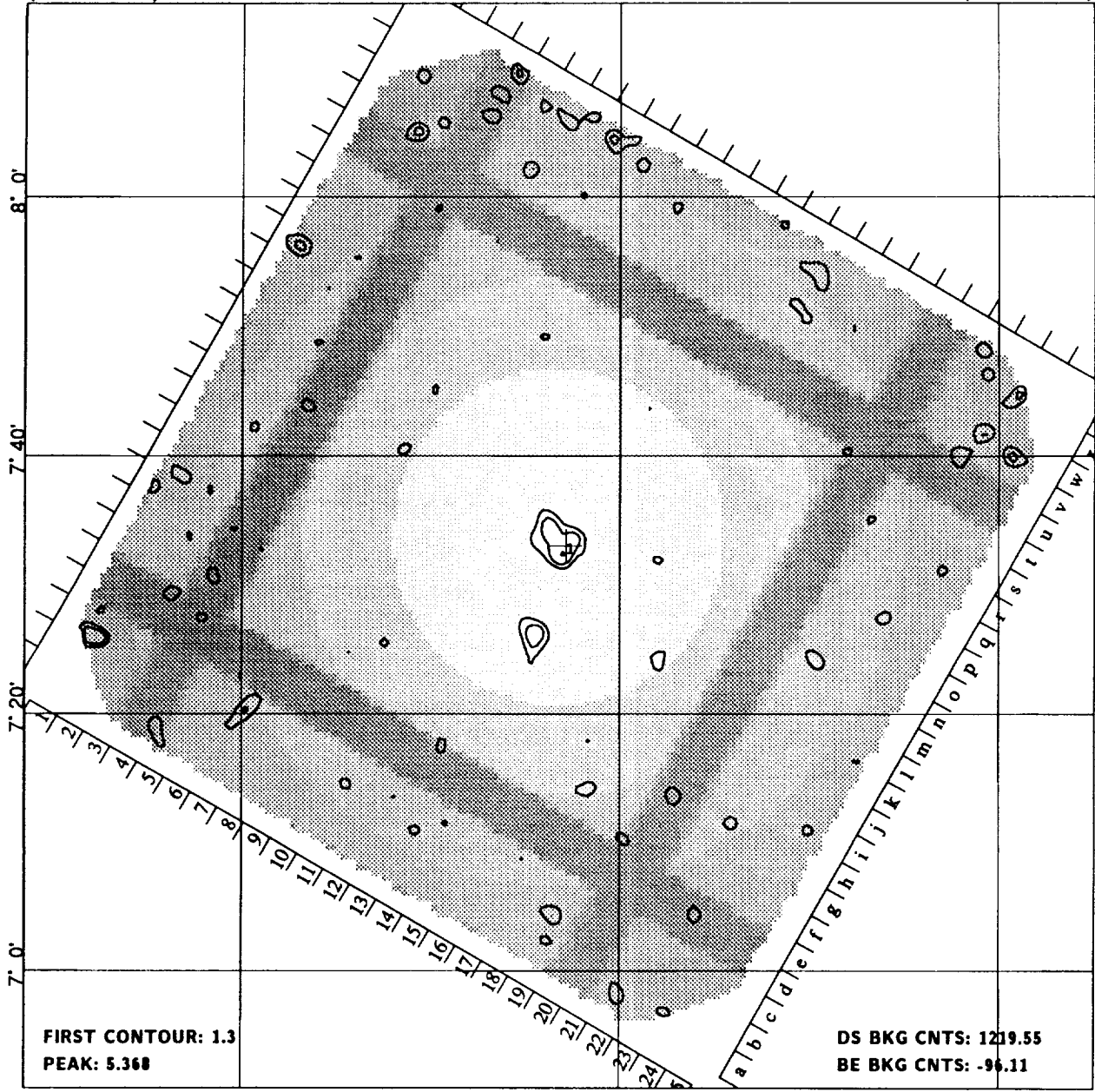
NH: 4.0E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT ± RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
91	1	00 26 21.5	07 34 04	35	0.0272 0.0046	39.5	5.5	5.9	1.4	0	2.6	aH	CLG
92	2	00 26 28.8	07 25 40	42	0.0178 0.0040	23.4	4.6	4.4	1.2	0	10.3	H	CLG

(0h 26m)

I 225

(0h 26m)



A 41 CLUSTER EVOLUTION

FIELD CENTER: 00^h26^m19.0^s 07°32'59" (B1950)
 00^h28^m53.8^s 07°49'34" (J2000)
 l : 113.26 b : -54.62

DATE: 1979/180 - 1979/180
 LIVETIME: 988.2s
 ROLL ANGLE: -60.2°

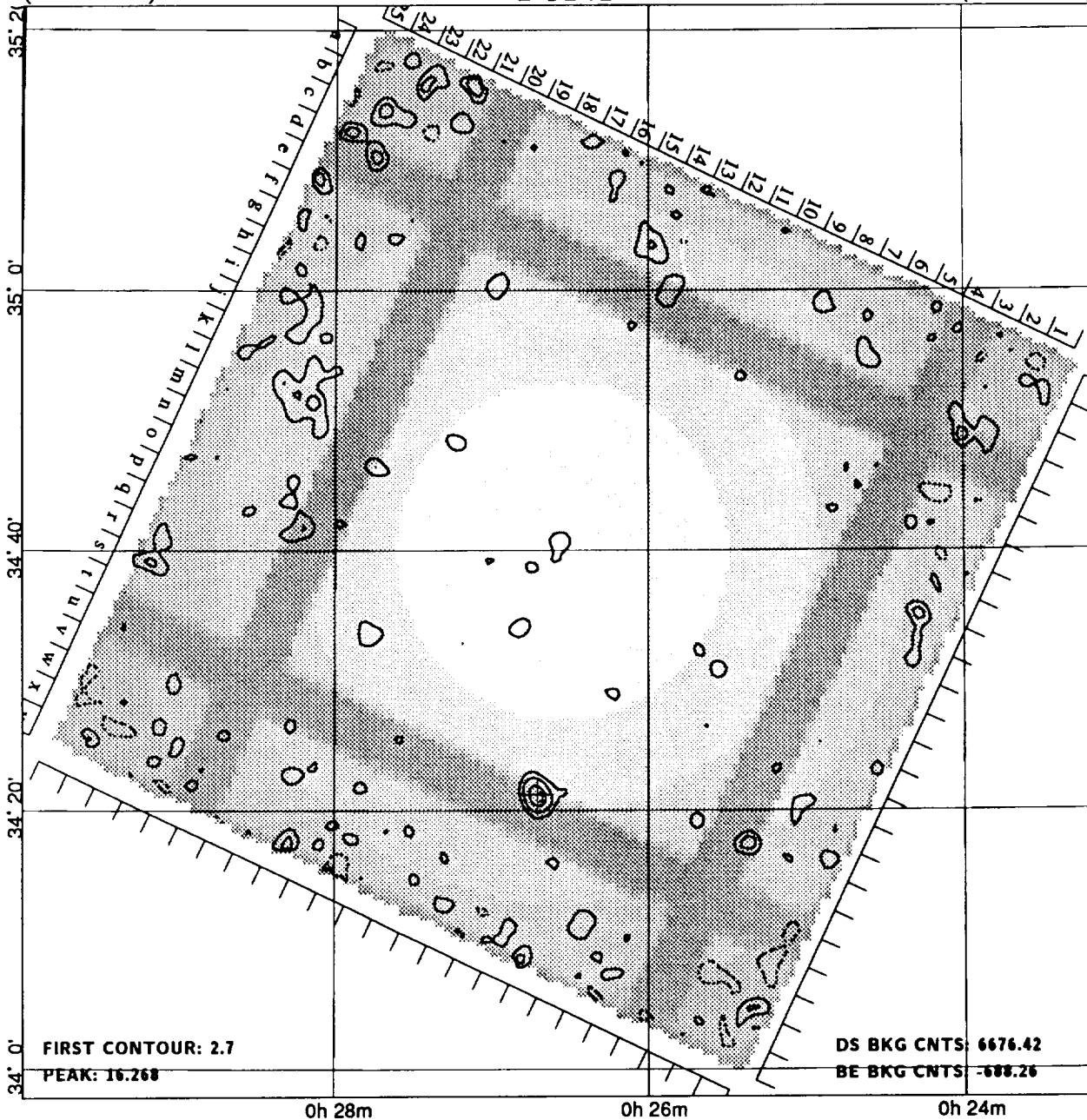
NH: 4.0E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
90	1	00 26 17.2	07 33 03	36	0.0342	0.0072	25.1	2.9	4.7	1.4	0	0.6	aH	CLG

(0h 26m)

I 5141

(0h 26m)



QSO 0026+34

FIELD CENTER: 00^h26^m35.0^s 34°39'54" (B1950)
 00^h29^m14.4^s 34°56'29" (J2000)
 l : 117.79 b : -27.71

DATE: 1980/ 8 - 1980/ 8
 LIVETIME: 5410.1s
 ROLL ANGLE: 115.2°

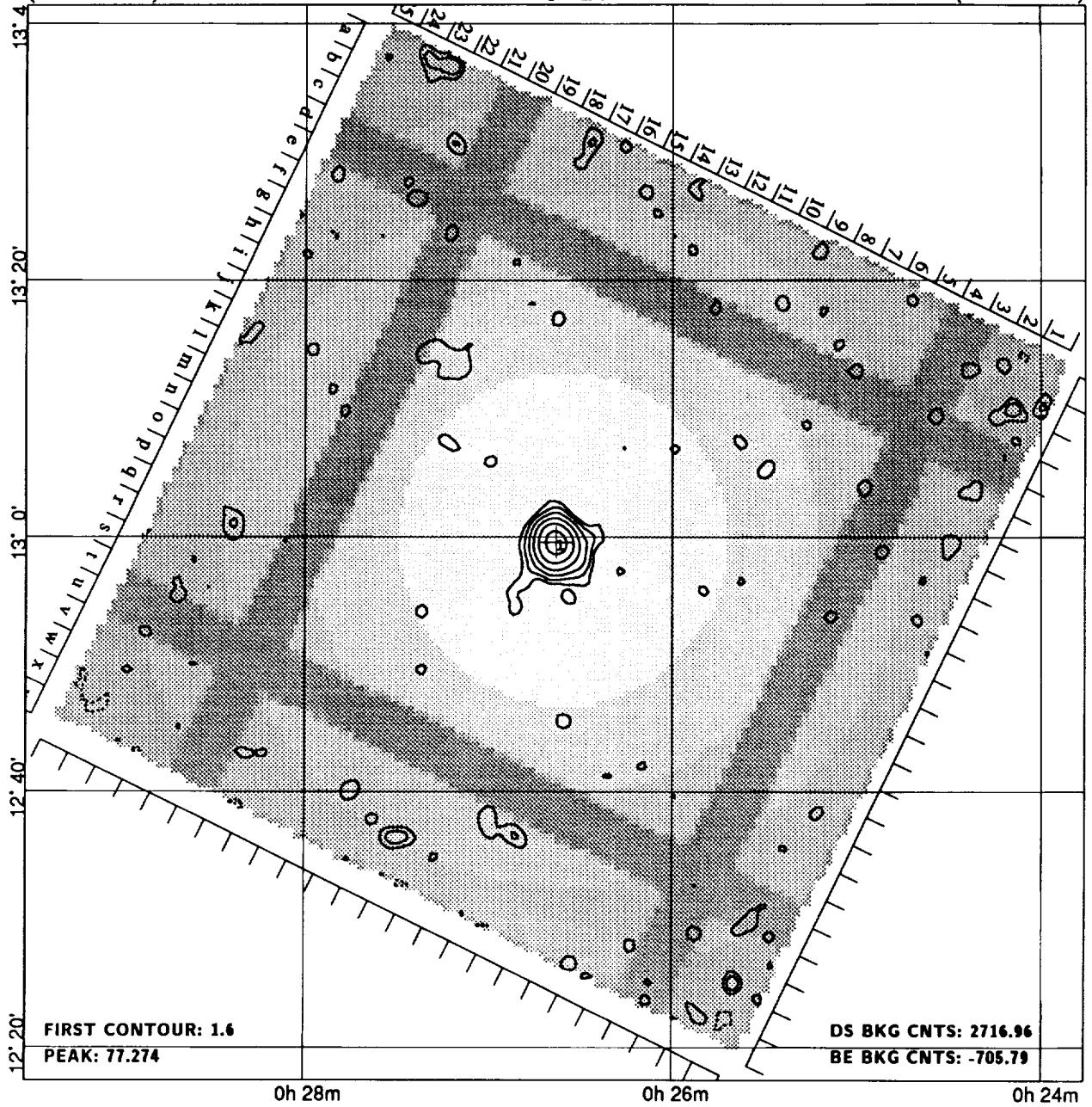
NH: 5.5E+20
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	FLG
94	1	00 26 42.3	34 21 14	50	*0.0141	0.0025	40.7	9.3	5.8	0.9	1008	18.9	H	*

(0h 26m)

I 5417

(0h 26m)



PG0026+113, LONG OBS. OF HIGH COUNT QUASARS

FIELD CENTER: 00^h26^m38.0^s 12°59'28" (B1950)
 00^h29^m13.7^s 13°16'03" (J2000)
l: 114.64 *b*: -49.25

DATE: 1981/ 4 - 1981/ 4
 LIVETIME: 2201.6s
 ROLL ANGLE: 116.0°

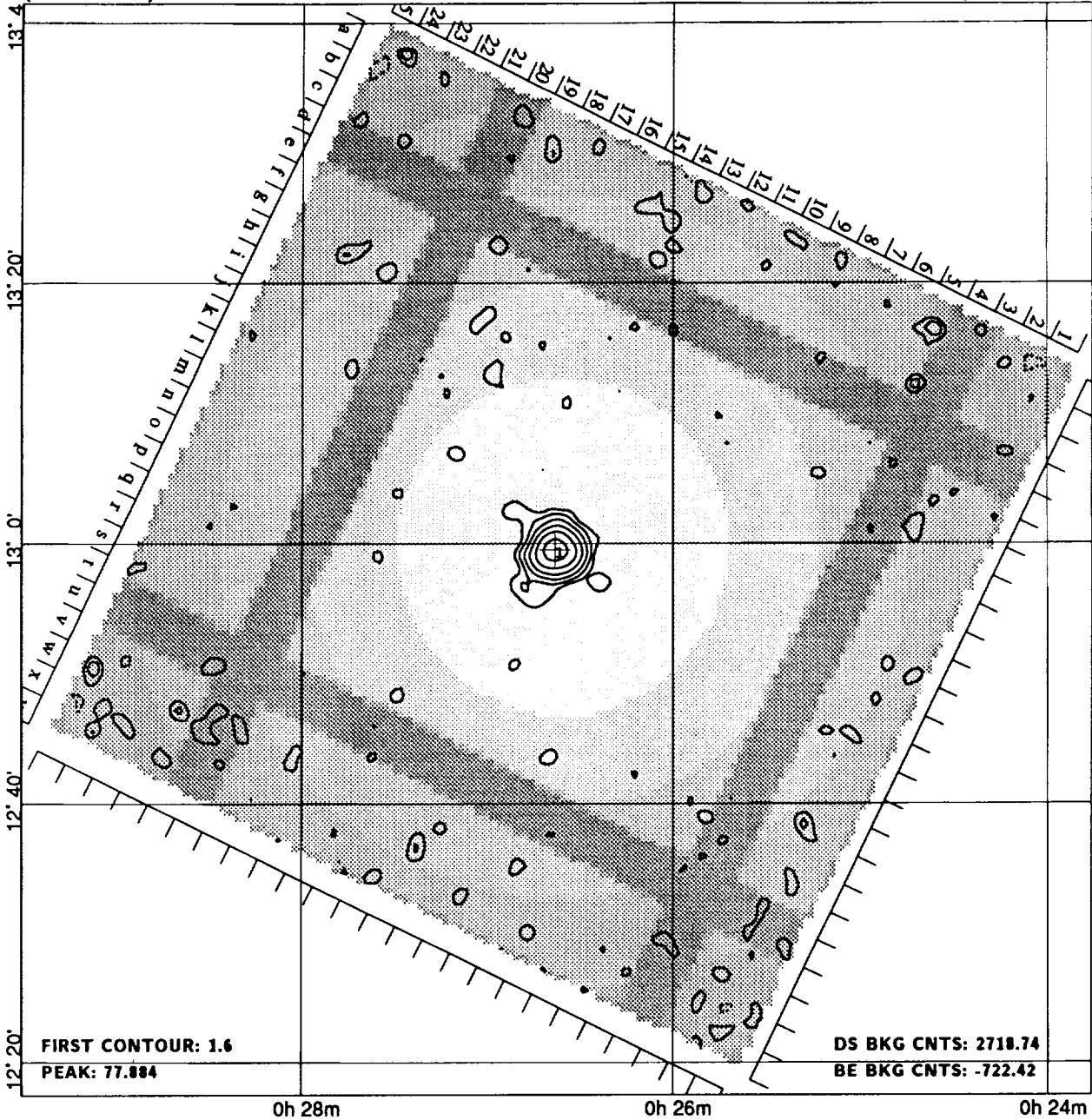
NH: 4.6E+20
 REF/ID: Q
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
93	1	00 26 38.0	12 59 35	31	0.205 0.011	335.4	4.6	18.2	1.3	0	0.2	AH Q

(0h 26m)

I 9550

(0h 26m)



PG0026+113, LONG OBS OF HIGH COUNT QUASARS

FIELD CENTER: 00^h 26^m 38.0^s 12° 59' 28" (B1950)
 00^h 29^m 13.7^s 13° 16' 03" (J2000)
 l : 114.64 b : -49.25

DATE: 1981/ 4 - 1981/ 4
 LIVETIME: 2203.1s
 ROLL ANGLE: 116.0°

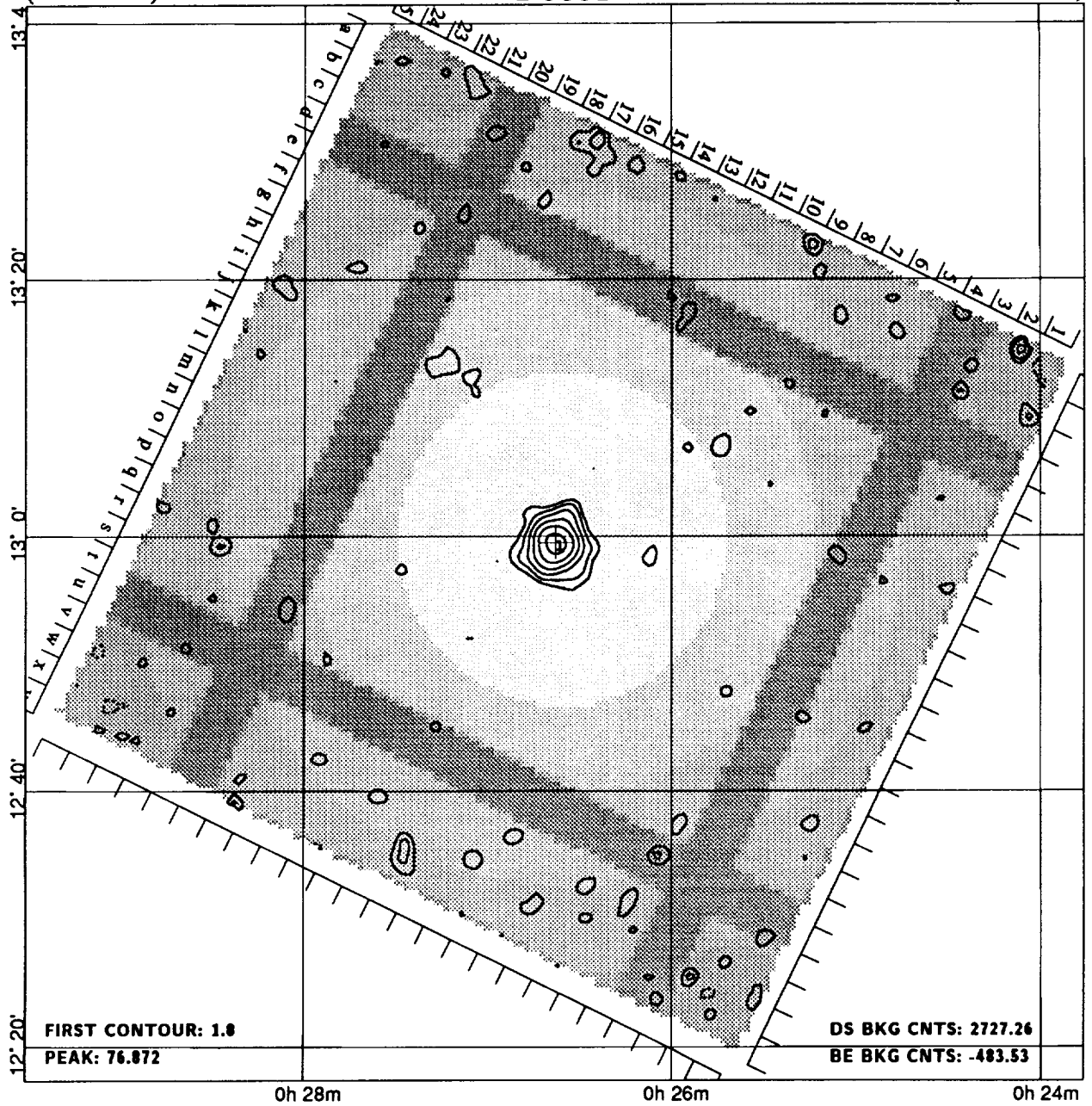
NH: 4.6E+20
 REF/ID: Q
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
93	1	00 26 38.1	12 59 29	31	0.206 0.011	337.4	4.6	18.2	1.4	0	0.2	AH	Q

(0h 26m)

I 9551

(0h 26m)



PG0026+113, LONG OBS OF HIGH COUNT QUASARS

FIELD CENTER: 00^h26^m38.0^s 12°59'28" (B1950)
 00^h29^m13.7^s 13°16'03" (J2000)
 $l: 114.64$ $b: -49.25$

DATE: 1981/ 4 - 1981/ 4
 LIVETIME: 2210.0s
 ROLL ANGLE: 116.0°

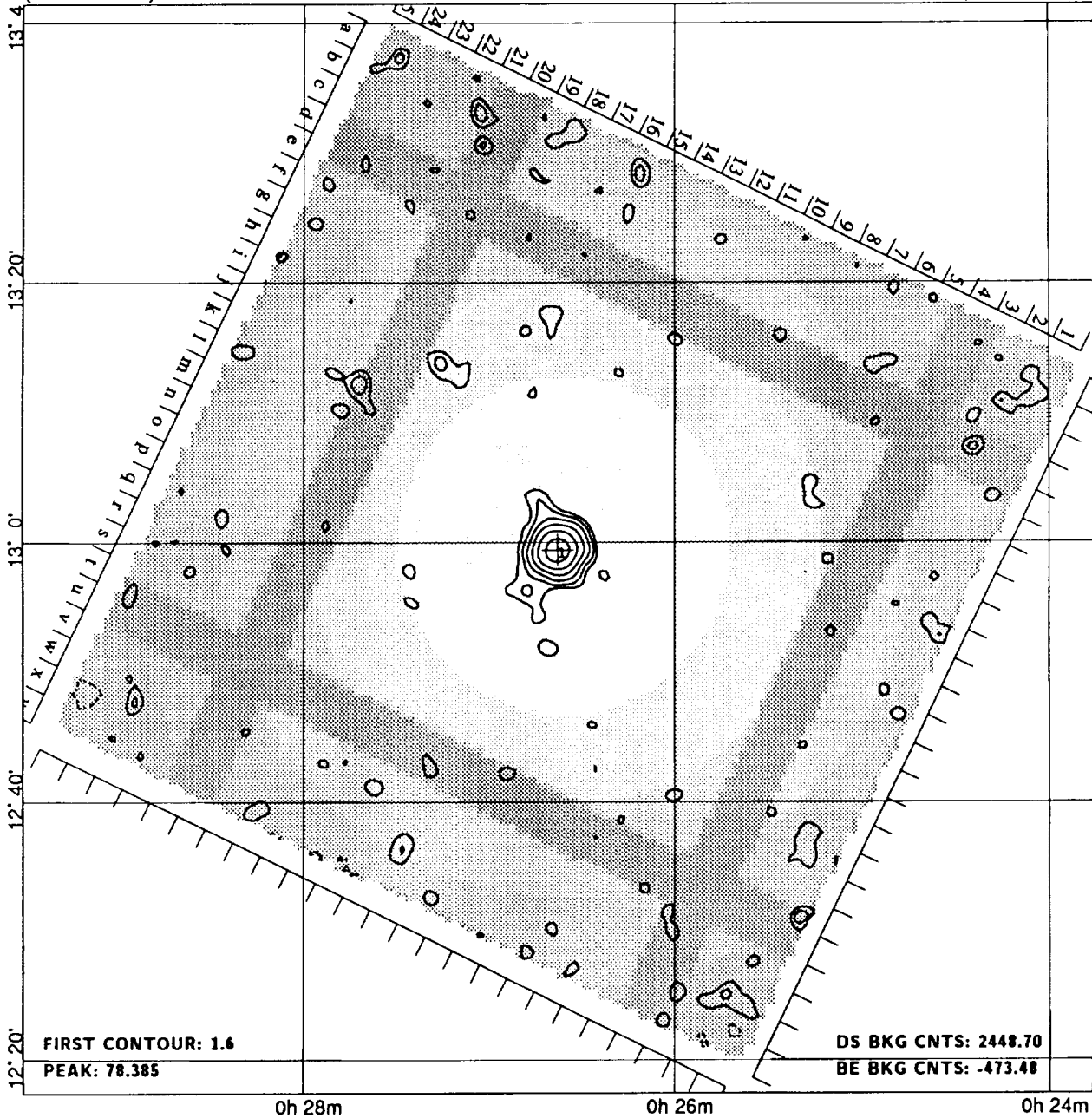
NH: 4.6E+20
 REF/ID: Q
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
93	1	00 26 38.0	12 59 29	31	0.204	0.011	335.6	5.4	18.2	1.4	0	0.2	AH	Q

(0h 26m)

I 9552

(0h 26m)



PG0026+113, LONG OBS OF HIGH COUNT QUASARS

FIELD CENTER: $00^h 26^m 38.0^s$ $12^\circ 59' 28''$ (B1950)
 $00^h 29^m 13.7^s$ $13^\circ 16' 03''$ (J2000)
 $l: 114.64$ $b: -49.25$

DATE: 1981/ 4 - 1981/ 4
 LIVETIME: 1984.2s
 ROLL ANGLE: 116.0°

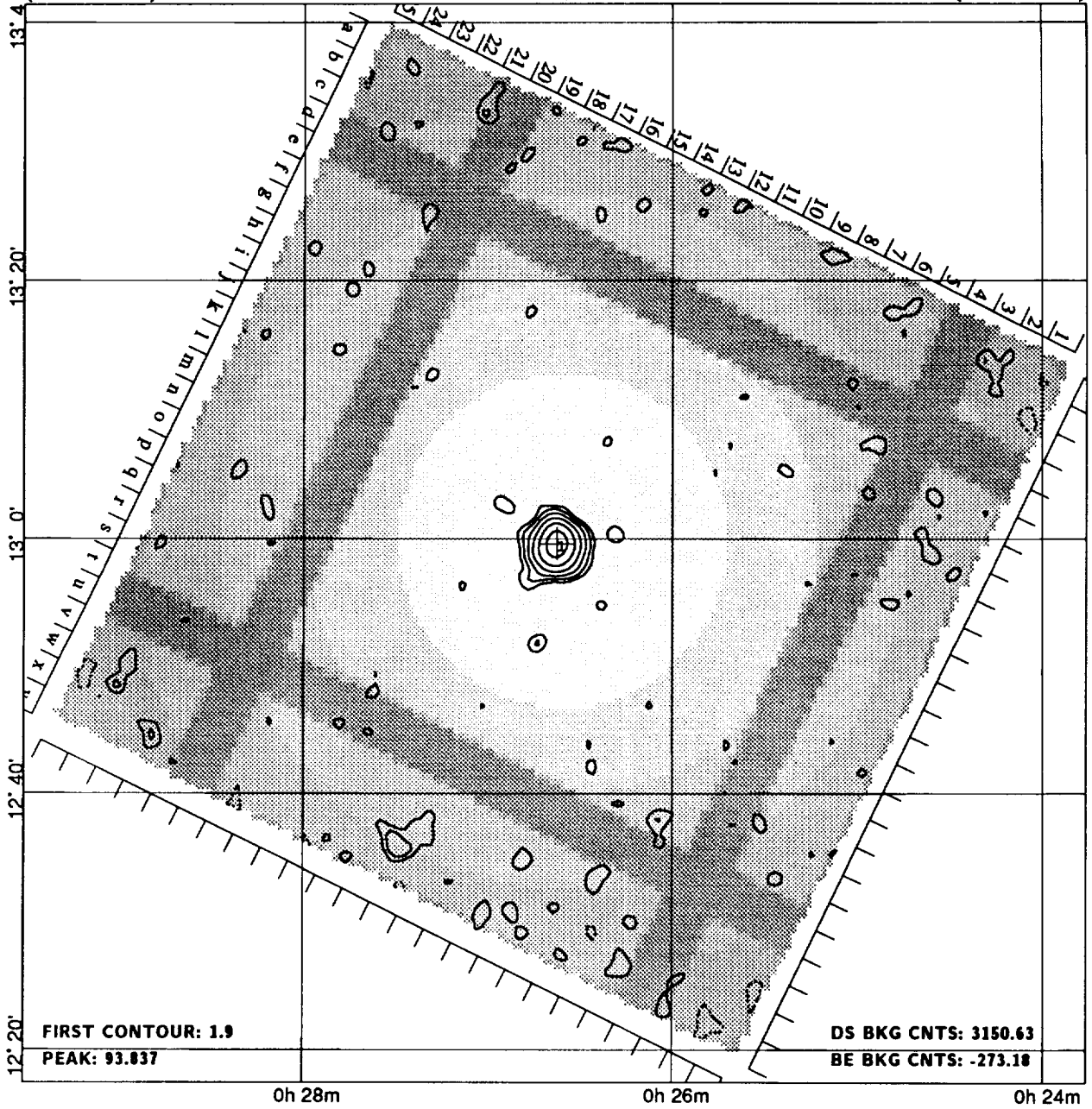
NH: $4.6E+20$
 REF/ID: Q
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE \pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
93	1	00 26 37.8	12 59 23	31	0.224 0.012	331.4	4.6	18.1	1.4	0	0.2	AH	Q

(0h 26m)

I 9553

(0h 26m)



PG0026+113, LONG OBS OF HIGH COUNT QUASARS

FIELD CENTER: 00^h26^m38.0^s 12°59'28" (B1950)
 00^h29^m13.7^s 13°16'03" (J2000)
 $l: 114.64$ $b: -49.25$

DATE: 1981/ 4 - 1981/ 4
 LIVETIME: 2553.0s
 ROLL ANGLE: 116.0°

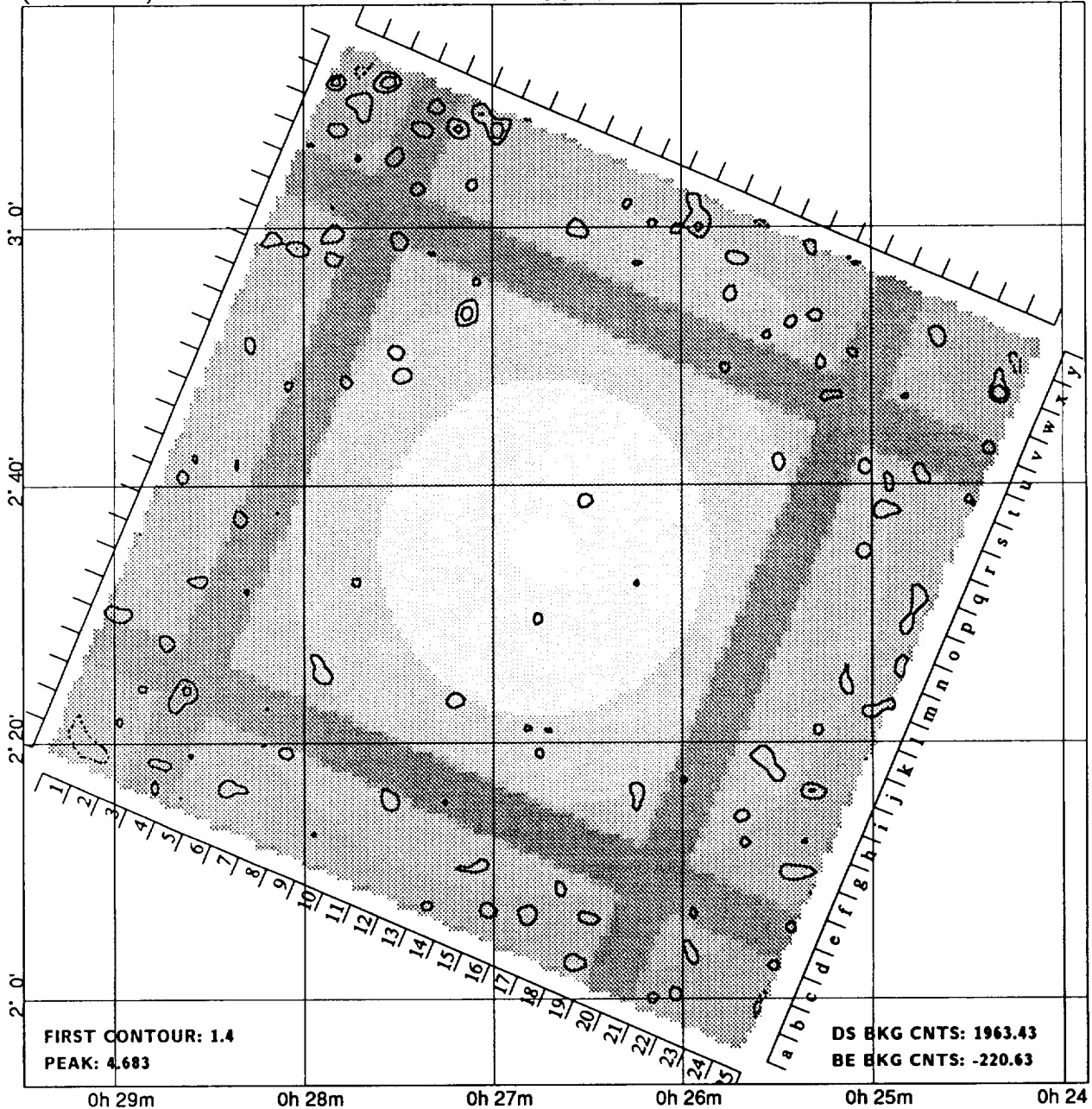
NH: 4.6E+20
 REF/ID: Q
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
93	1	00 26 37.6	12 59 36	31	0.211 0.011	401.0	7.0	19.9	1.3	0	0.2	AH Q

(0h 26m)

I 6643

(0h 26m)



NGC 128, SURVEY OF GROUPS OF GALAXIES

FIELD CENTER: 00^h26^m40.8^s 02°35'19" (B1950)
 00^h29^m14.9^s 02°51'54" (J2000)
 l : 111.96 b : -59.53

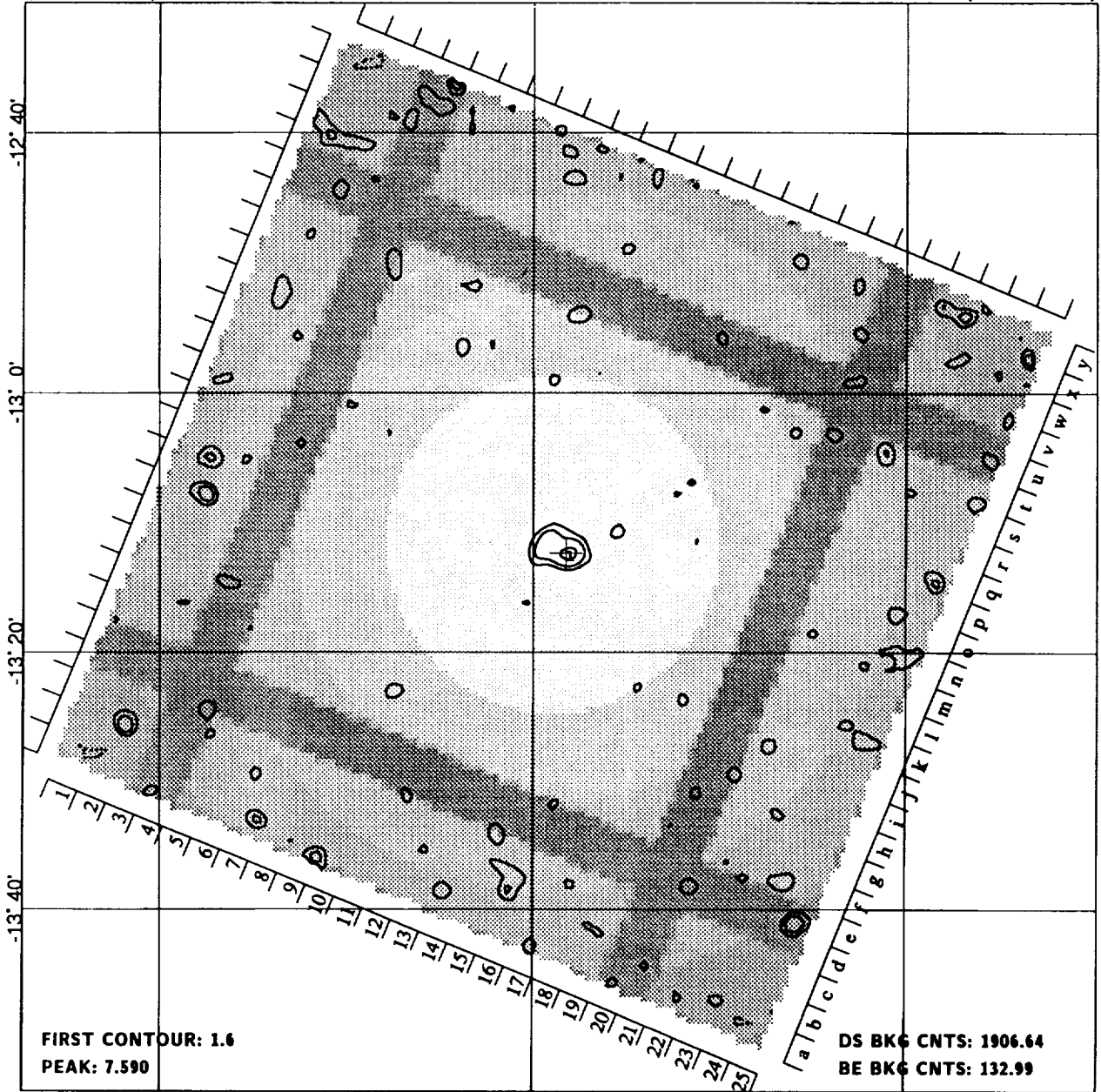
DATE: 1980/194 - 1980/194
 LIVETIME: 1591.0s
 ROLL ANGLE: -66.9°

NH: 2.8E+20
 REF/ID:
 FIELD FLAGS:

(0h 27m)

I 207

(0h 27m)



FIRST CONTOUR: 1.6
PEAK: 7.590

DS BKG CNTS: 1906.64
BE BKG CNTS: 132.99

A 46 CLUSTER EVOLUTION

FIELD CENTER: 00^h27^m51.0^s -13°11'59" (B1950)
00^h30^m22.8^s -12°55'25" (J2000)
ℓ: 102.77 b: -74.96

DATE: 1979/181 - 1979/181
LIVETIME: 1545.0s
ROLL ANGLE: -67.8°

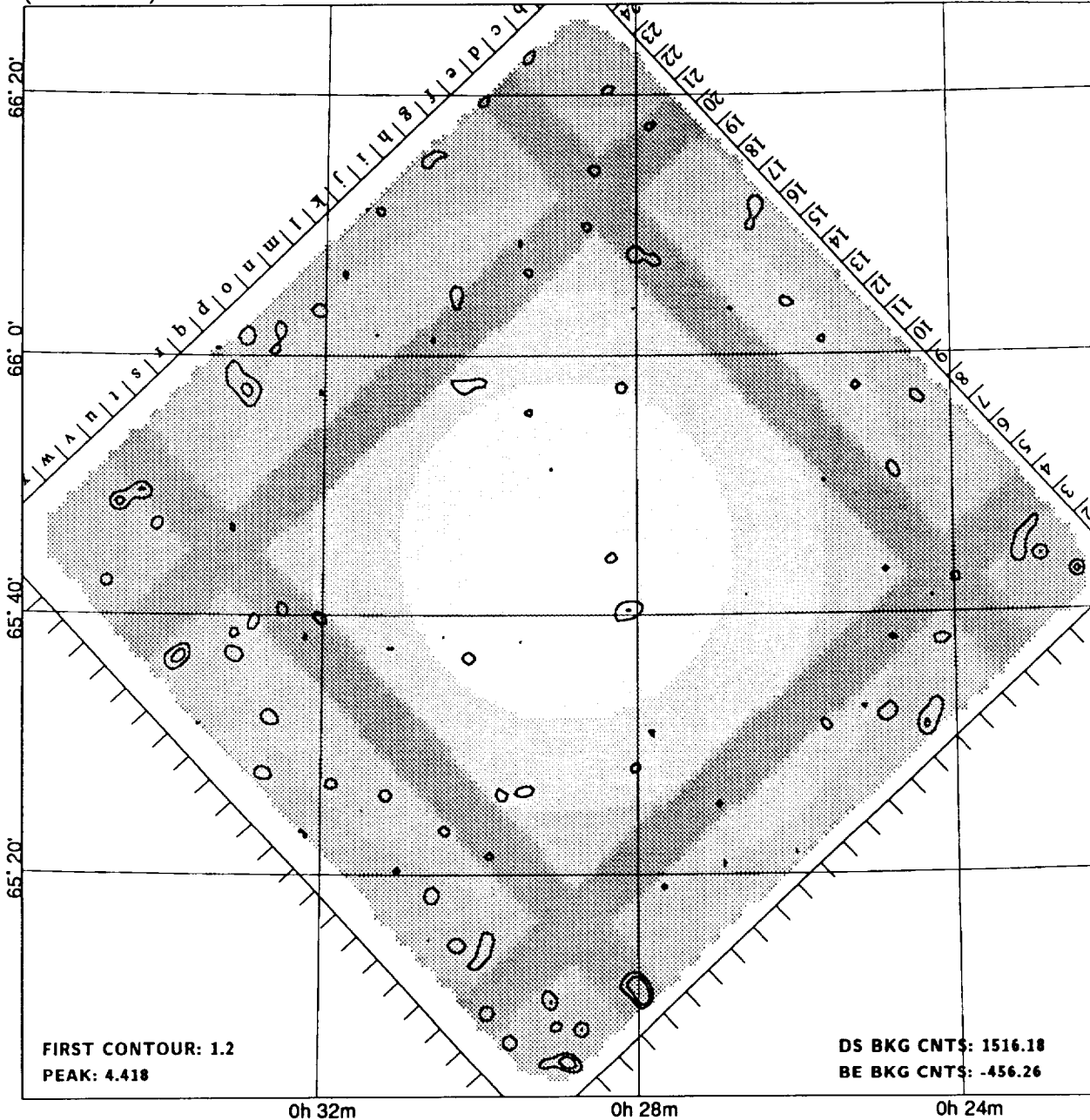
NH: 2.3E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
95	1	00 27 49.4	-13 12 22	35	0.0292	0.0054	33.4	5.6	5.4	1.3	0	0.4	H	CLG

(0h 29m)

I 3627

(0h 29m)



COS-B GAMMA RAY SOURCE REGION A

FIELD CENTER: $00^h 29^m 00.0^s$ $65^\circ 44' 59''$ (B1950)
 $00^h 31^m 53.5^s$ $66^\circ 01' 32''$ (J2000)
 $l: 120.95$ $b: 3.23$

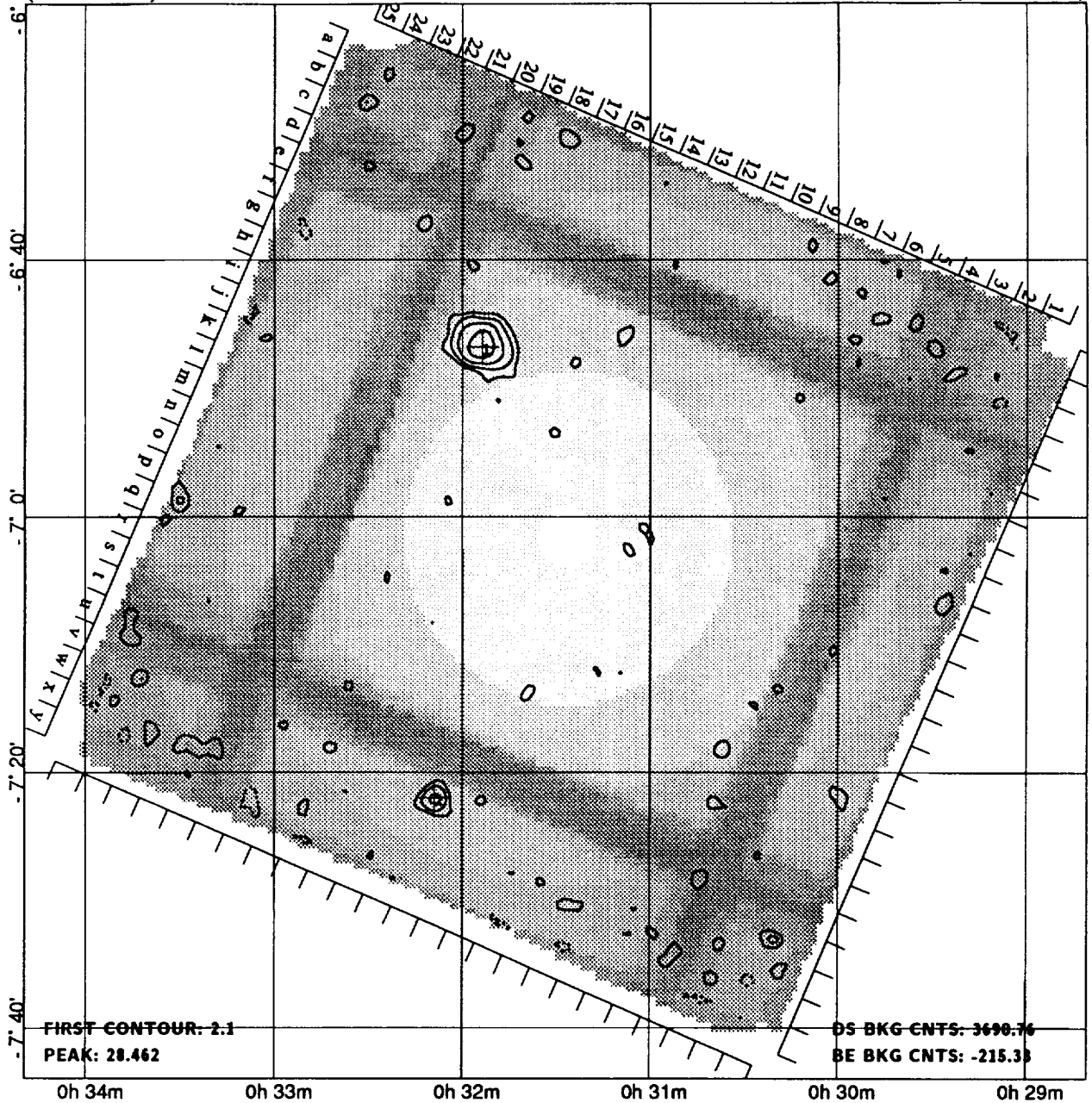
DATE: 1979/ 33 - 1979/ 33
 LIVETIME: 1228.6s
 ROLL ANGLE: 137.0°

NH: $8.2E+21$
 REF/ID:
 FIELD FLAGS:

(0h 31m)

I 9112

(0h 31m)



CLUSTER OF GALAXY SURVEY: A58d,e

FIELD CENTER: 00^h31^m30.0^s -07°01'59" (B1950)
 00^h34^m02.6^s -06°45'27" (J2000)
 l : 110.68 b : -69.21

DATE: 1980/346 - 1981/ 8
 LIVETIME: 2990.7s
 ROLL ANGLE: 113.4°

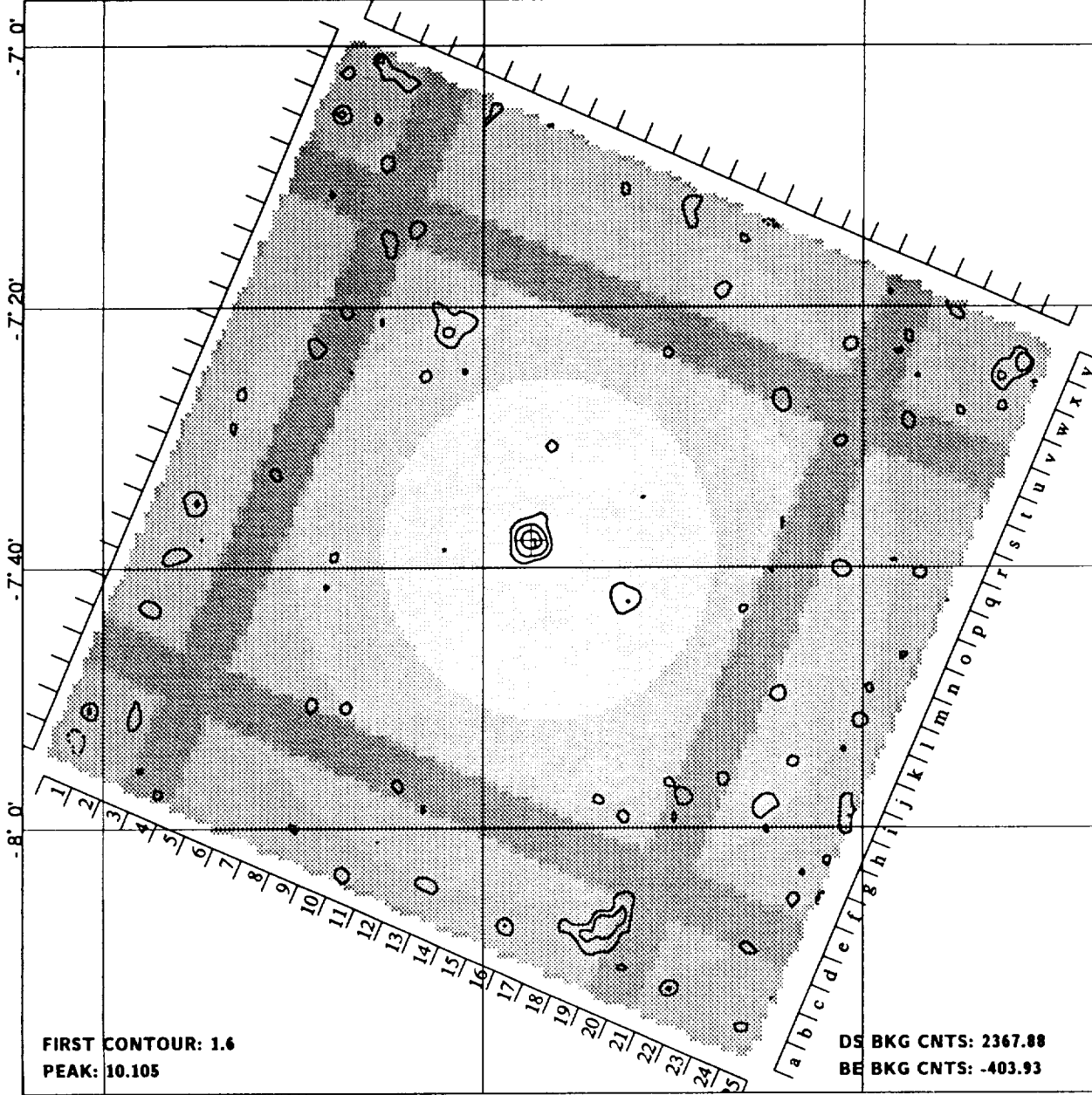
NH: 3.7E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
99	1	00 31 53.7	-06 46 48	48	0.0544	0.0058	92.8	6.2	9.3	1.4	0	16.5	H
100	2	00 32 08.9	-07 22 00	51	0.0135	0.0036	18.7	6.3	3.7	0.8	400	22.4	H Q

(0h 31m)

I 2480

(0h 31m)



0031-07K: SURVEY OF NEARBY RADIO PULSARS

FIELD CENTER: 00^h31^m36.0^s -07°38'25" (B1950)
 00^h34^m08.5^s -07°21'53" (J2000)
 l : 110.42 b : -69.82

DATE: 1979/179 - 1979/179
 LIVETIME: 1918.8s
 ROLL ANGLE: -66.7°

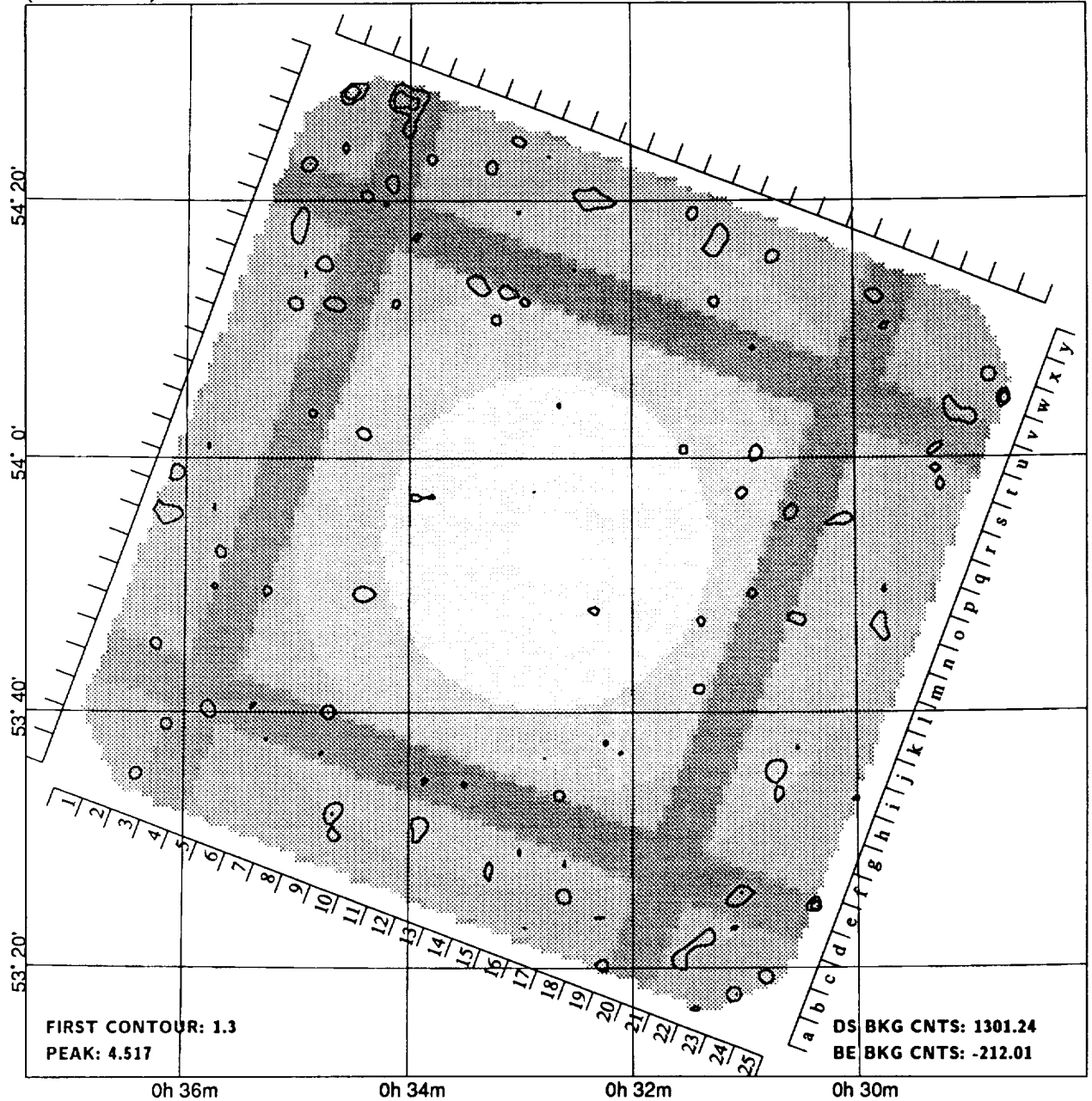
NH: 3.6E+20
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
98	1	00 31 44.9	-07 37 55	35	0.0248	0.0045	35.2	4.8	5.6	1.0	0	2.4	H	AGN

(0h 32m)

I 5178

(0h 32m)



STAR 13 CET, CORRELATION OF CORONAL ACTIVITY WITH BINARY PERIOD

FIELD CENTER: 00^h 32^m 40.5^s 53° 53' 29" (B1950)
 00^h 35^m 27.9^s 54° 10' 00" (J2000)
 l : 120.57 b : -8.63

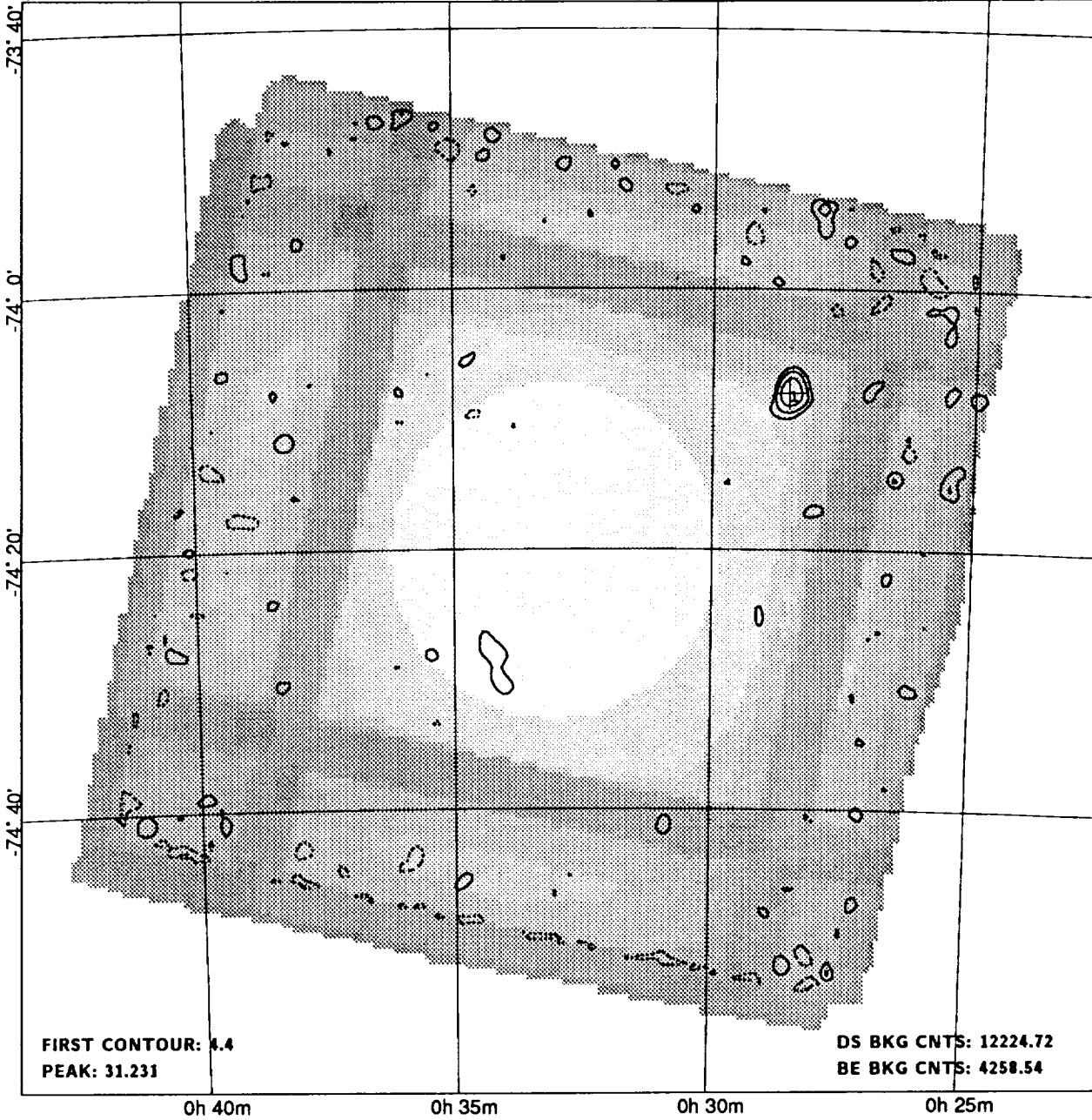
DATE: 1980/190 - 1980/190
 LIVETIME: 1054.4s
 ROLL ANGLE: -69.3°

NH: 2.4E+21
 REF/ID:
 FIELD FLAGS:

(0h 33m)

I 9126

(0h 33m)



SMC STUDY - IPC FIELDS

FIELD CENTER: 00^h33^m00.0^s -74°19'59" (B1950)
 00^h34^m58.9^s -74°03'27" (J2000)
 l : 304.48 b : -43.02

DATE: 1980/358 - 1980/359
 LIVETIME: 9906.0s

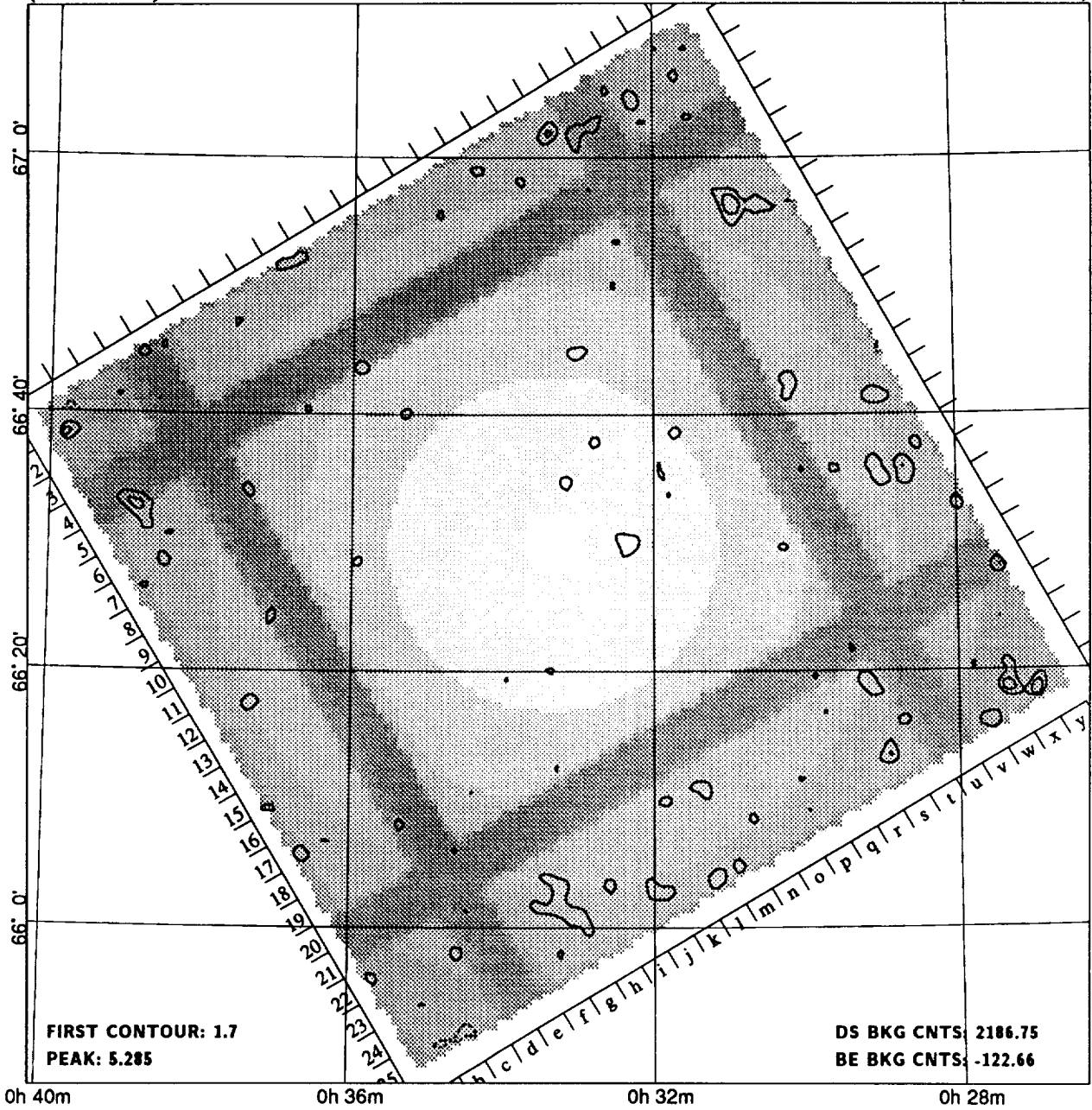
NH: 4.6E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
97	1	00 28 32.7	-74 07 54	50	0.0162	0.0022	77.2	28.8	7.5	0.9	500	21.9	H

(0h 33m)

I 3630

(0h 33m)



COS-B GAMMA RAY SOURCE REGION A

FIELD CENTER: $00^h 33^m 15.0^s$ $66^\circ 29' 59''$ (B1950)
 $00^h 36^m 12.1^s$ $66^\circ 46' 30''$ (J2000)
 $l: 121.43$ $b: 3.95$

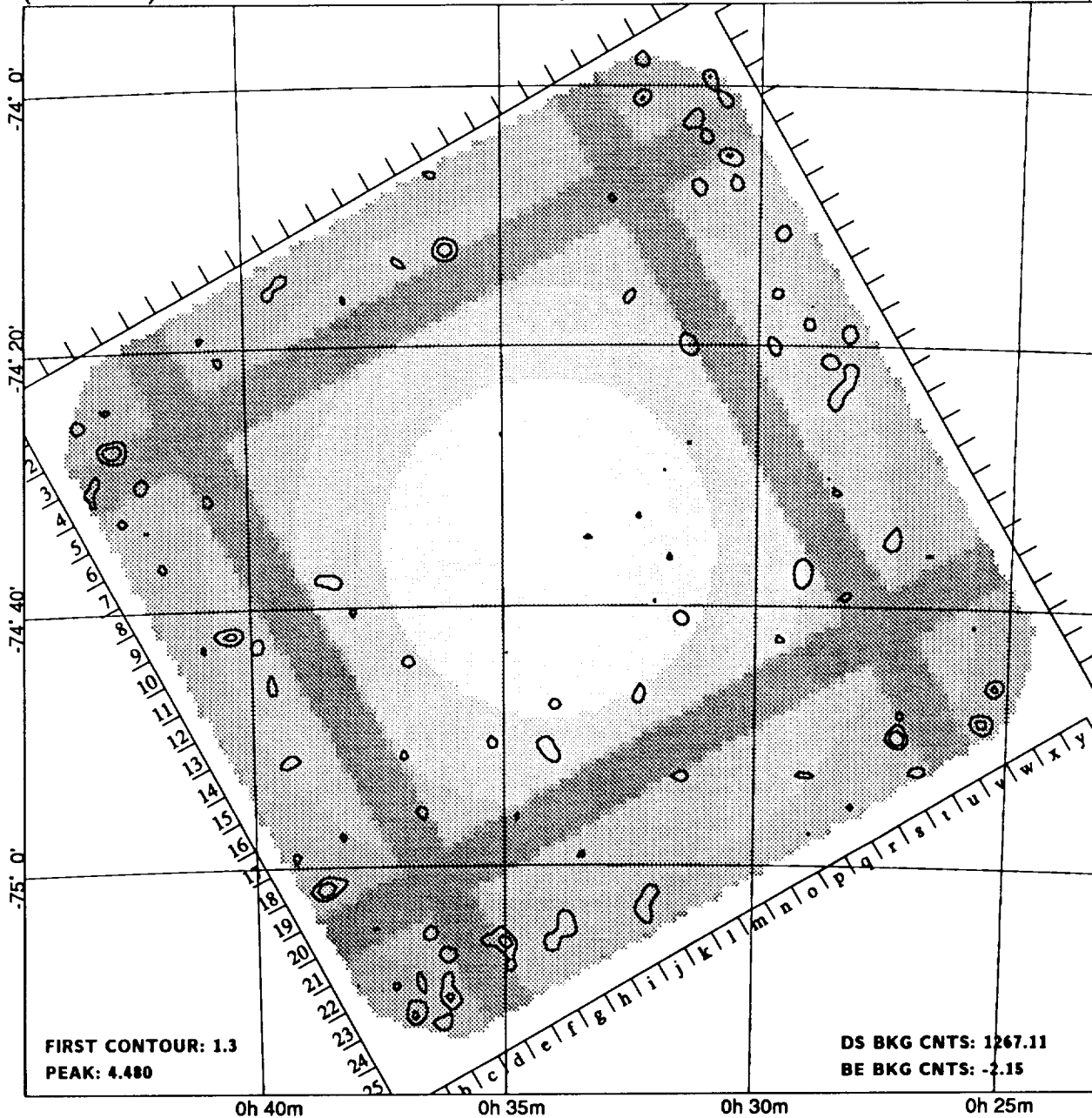
DATE: 1979/242 - 1979/242
 LIVETIME: 1772.0s
 ROLL ANGLE: -30.6°

NH: $7.3E+21$
 REF/ID:
 FIELD FLAGS:

(0h 33m)

I 619

(0h 33m)



SMC SURVEY

FIELD CENTER: $00^h 33^m 52.3^s$ $-74^\circ 35' 47''$ (B1950)
 $00^h 35^m 49.7^s$ $-74^\circ 19' 16''$ (J2000)
 $l: 304.37$ $b: -42.76$

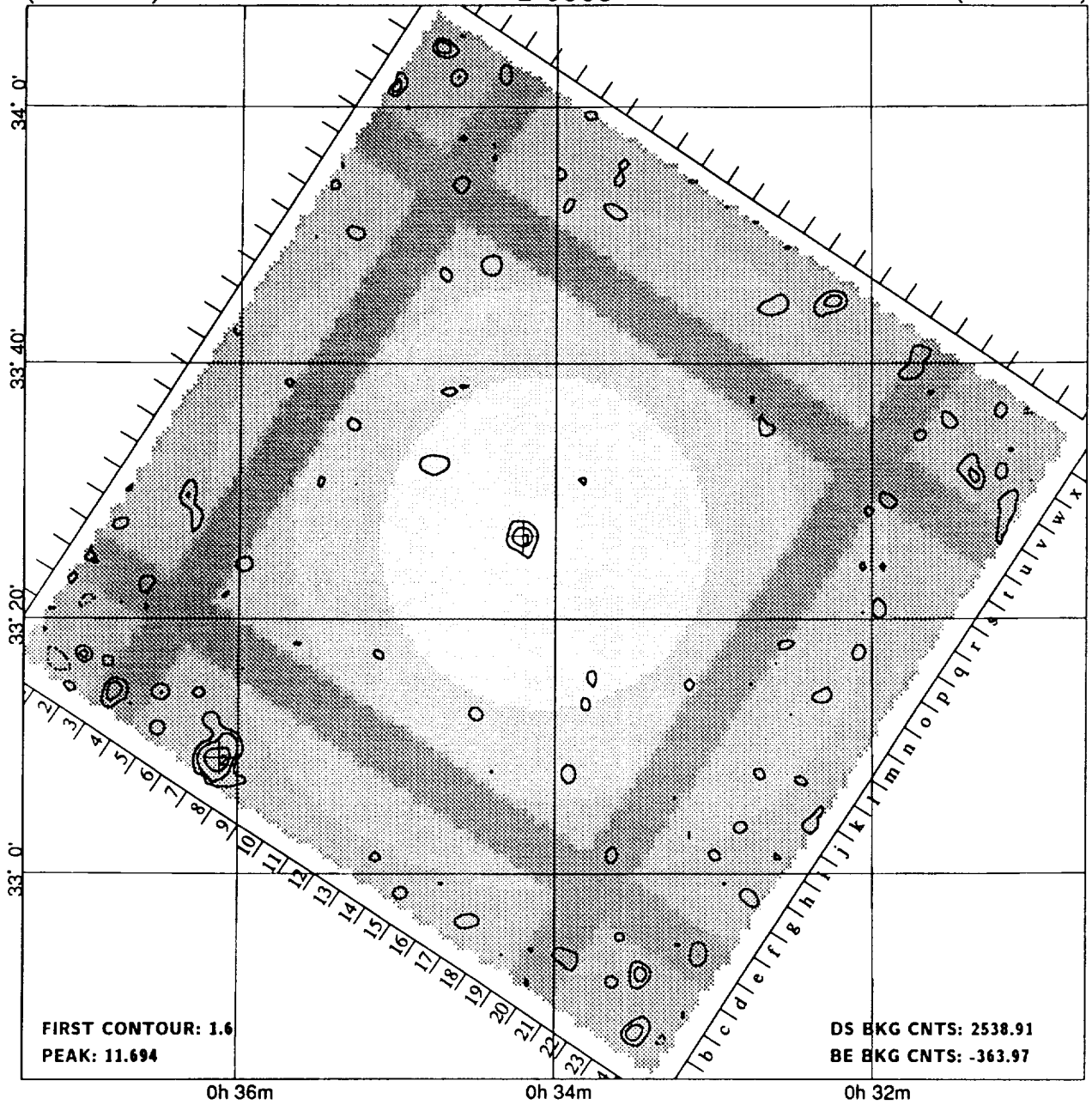
DATE: 1979/122 - 1979/122
 LIVETIME: 1026.8s
 ROLL ANGLE: -29.3°

NH: $4.5E+20$
 REF/ID:
 FIELD FLAGS:

(0h 34m)

I 6005

(0h 34m)



CoLLiding Winds: HD 3369 (AND)

FIELD CENTER: 00^h 34^m 00.0^s 33° 25' 59" (B1950)
 00^h 36^m 40.6^s 33° 42' 30" (J2000)
 l : 119.42 b : -29.06

DATE: 1980/211 - 1980/212
 LIVETIME: 2057.3s
 ROLL ANGLE: -56.8°

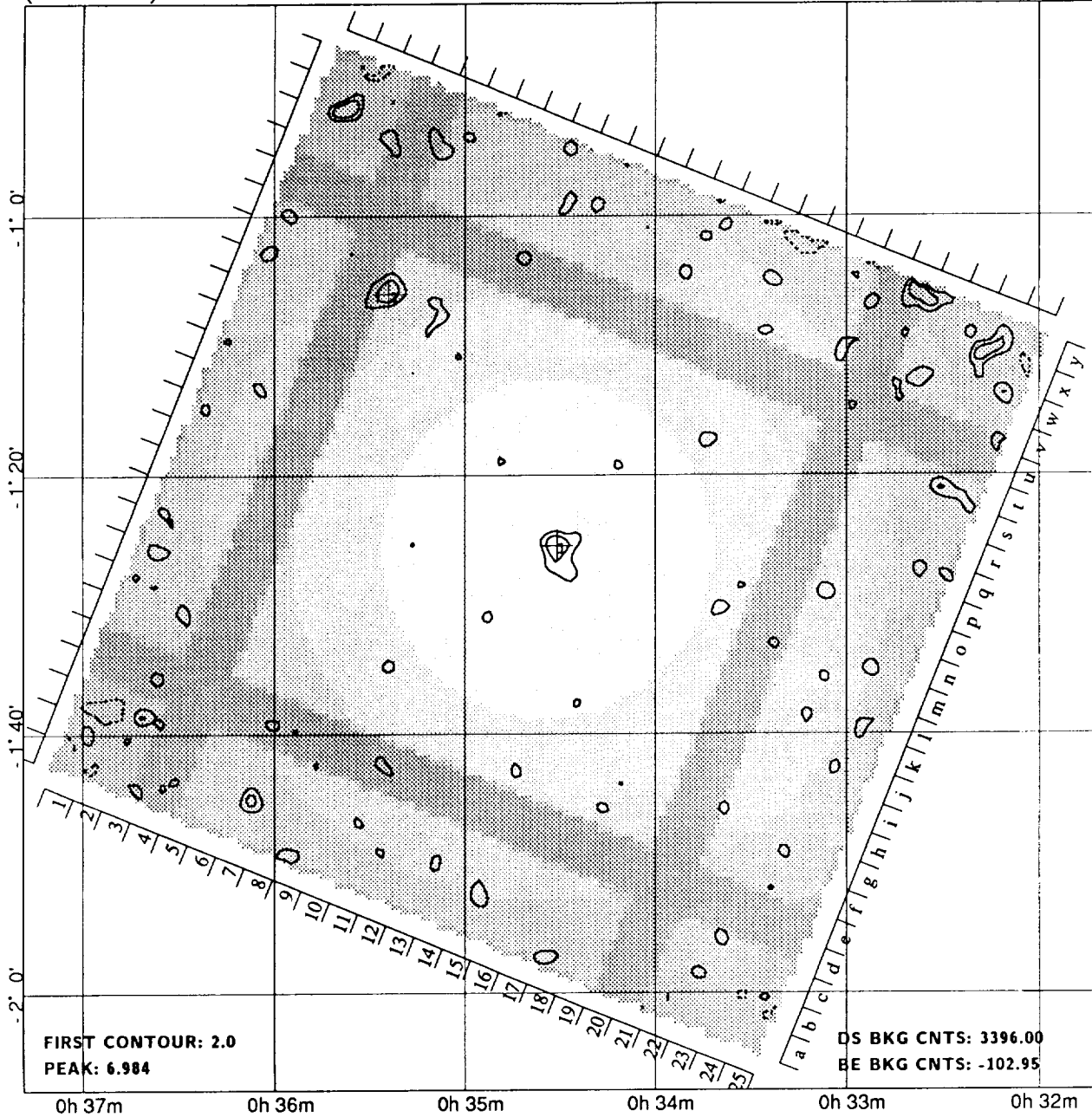
NH: 5.8E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
101	1	00 34 12.4	33 26 33	37	0.0111	0.0031	16.8	5.2	3.6	0.7	0	2.6	H
106	2	00 36 07.0	33 09 06	52	0.0285	0.0069	19.8	3.2	4.1	1.2	100	31.3	AH

(0h 34m)

I 6670

(0h 34m)



3C15,SURVEY OF GROUPS OF GALAXIES

FIELD CENTER: 00^h34^m30.6^s -01°25'35" (B1950)
 00^h37^m04.1^s -01°09'05" (J2000)
 l : 114.78 b : -63.80

DATE: 1980/195 - 1980/196
 LIVETIME: 2751.9s
 ROLL ANGLE: -68.0°

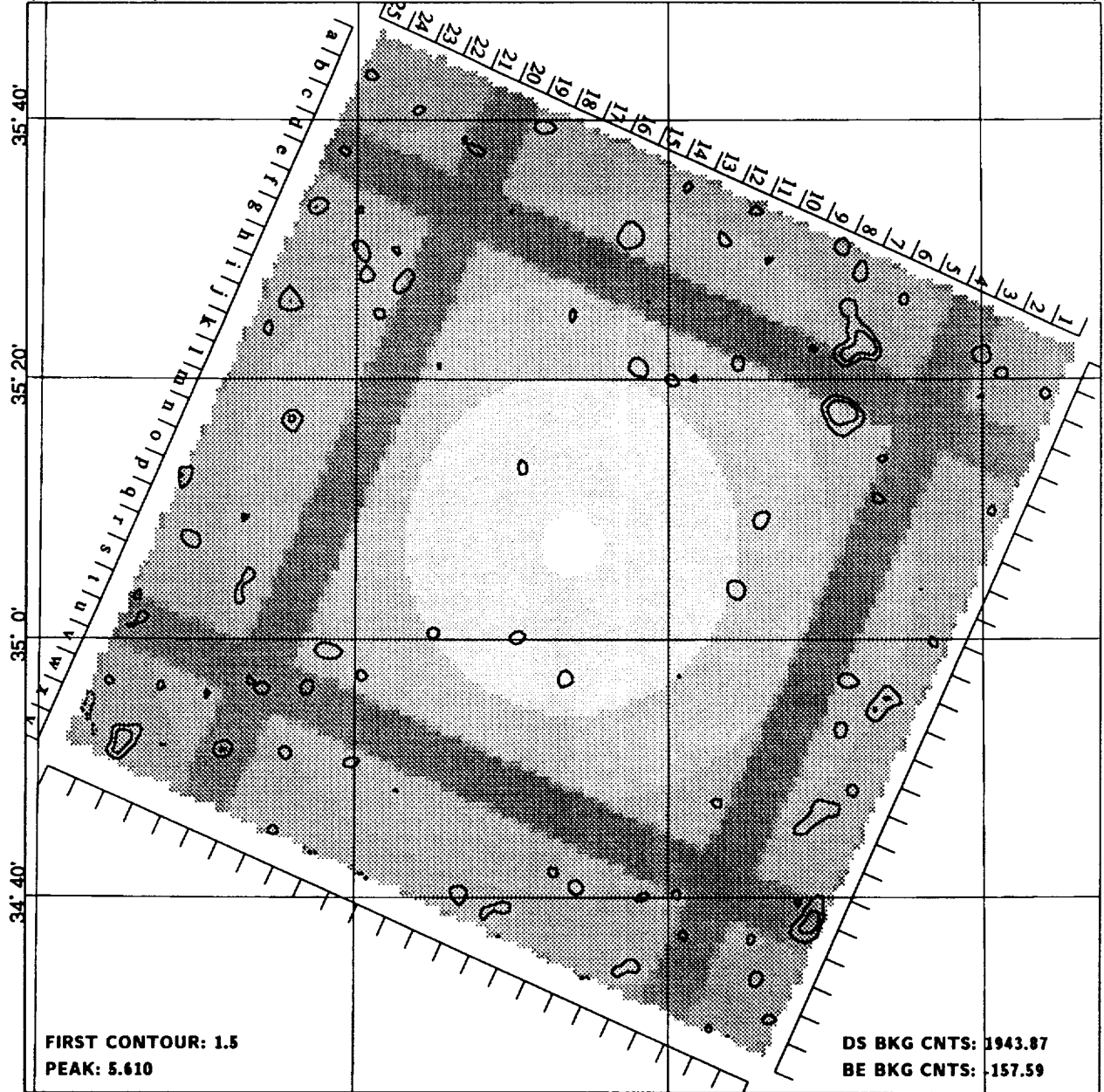
NH: 2.6E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
102	1	00 34 30.8	-01 25 28	36	0.0112	0.0027	22.9	8.1	4.1	1.1	0	0.2	H
103	2	00 35 24.1	-01 06 01	56	*0.0130	0.0037	16.2	4.8	3.5	0.8	704	23.9	H

(0h 34m)

I 4939

(0h 34m)



FIRST CONTOUR: 1.5
PEAK: 5.610

DS BKG CNTS: 1943.87
BE BKG CNTS: 157.59

0h 38m

0h 36m

0h 34m

0h 32m

SELECTED SINGLE STARS: HD 3421

FIELD CENTER: $00^h 34^m 40.1^s$ $35^{\circ} 06' 57''$ (B1950)
 $00^h 37^m 21.3^s$ $35^{\circ} 23' 27''$ (J2000)
 $l: 119.70$ $b: -27.39$

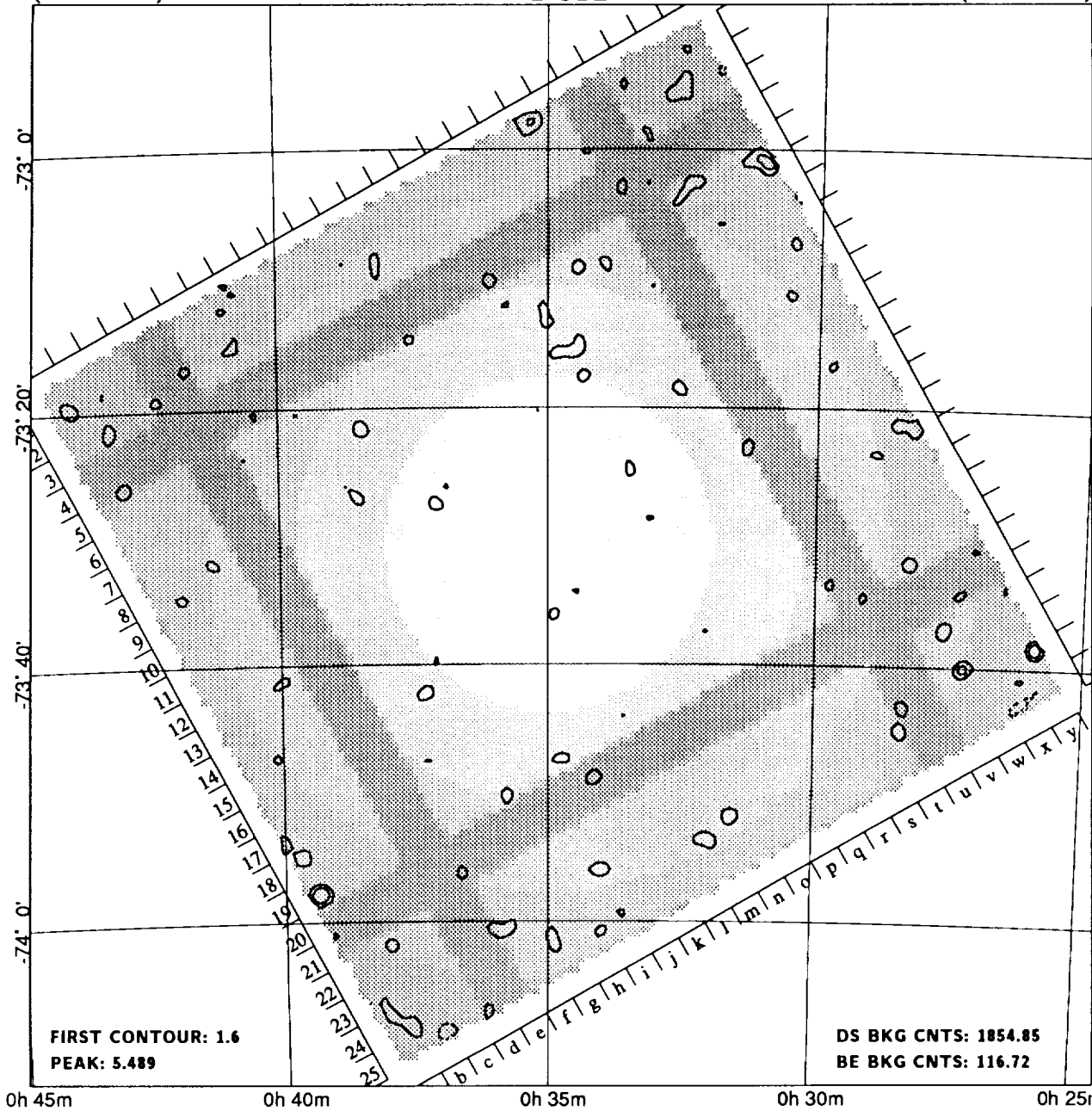
DATE: 1980/ 8 - 1980/ 8
LIVETIME: 1575.2s
ROLL ANGLE: 114.0°

NH: 5.5E+20
REF/ID:
FIELD FLAGS:

(0h 34m)

I 612

(0h 34m)



SMC SURVEY

FIELD CENTER: $00^h 34^m 46.3^s$ $-73^\circ 30' 55''$ (B1950)
 $00^h 36^m 45.3^s$ $-73^\circ 14' 24''$ (J2000)
 $l: 304.40$ $b: -43.85$

DATE: 1979/122 - 1979/122
 LIVETIME: 1503.0s
 ROLL ANGLE: -29.1°

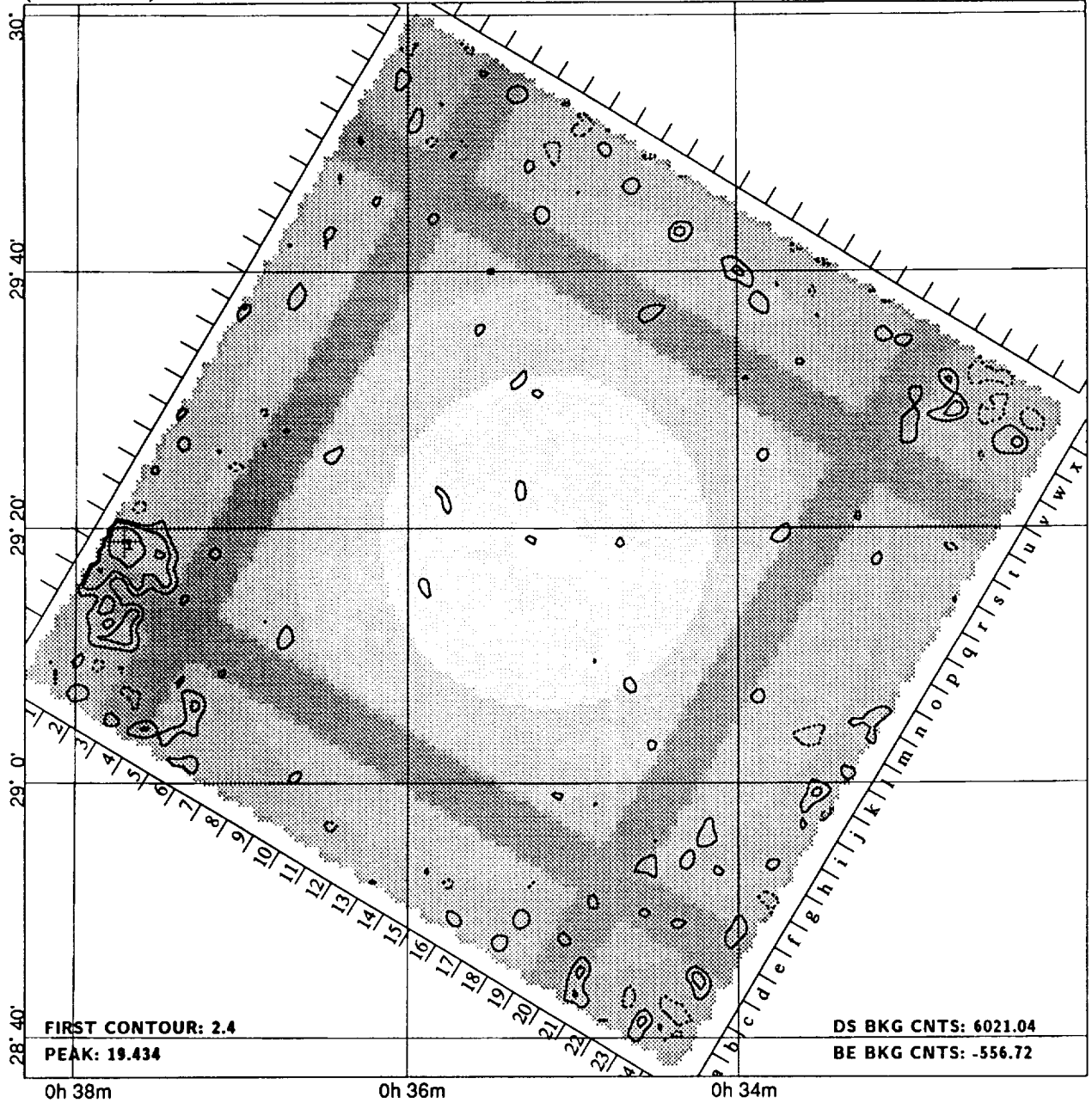
NH: 6.0E+20
 REF/ID:
 FIELD FLAGS:

C-2

(0h 35m)

I 7697

(0h 35m)



ABELL 71, CLUSTERS OF GALAXIES

FIELD CENTER: 00^h35^m06.0^s 29°18'59" (B1950)
 00^h37^m45.7^s 29°35'29" (J2000)
 l : 119.38 b : -33.19

DATE: 1980/209 - 1980/209
 LIVETIME: 4879.0s
 ROLL ANGLE: -59.1°

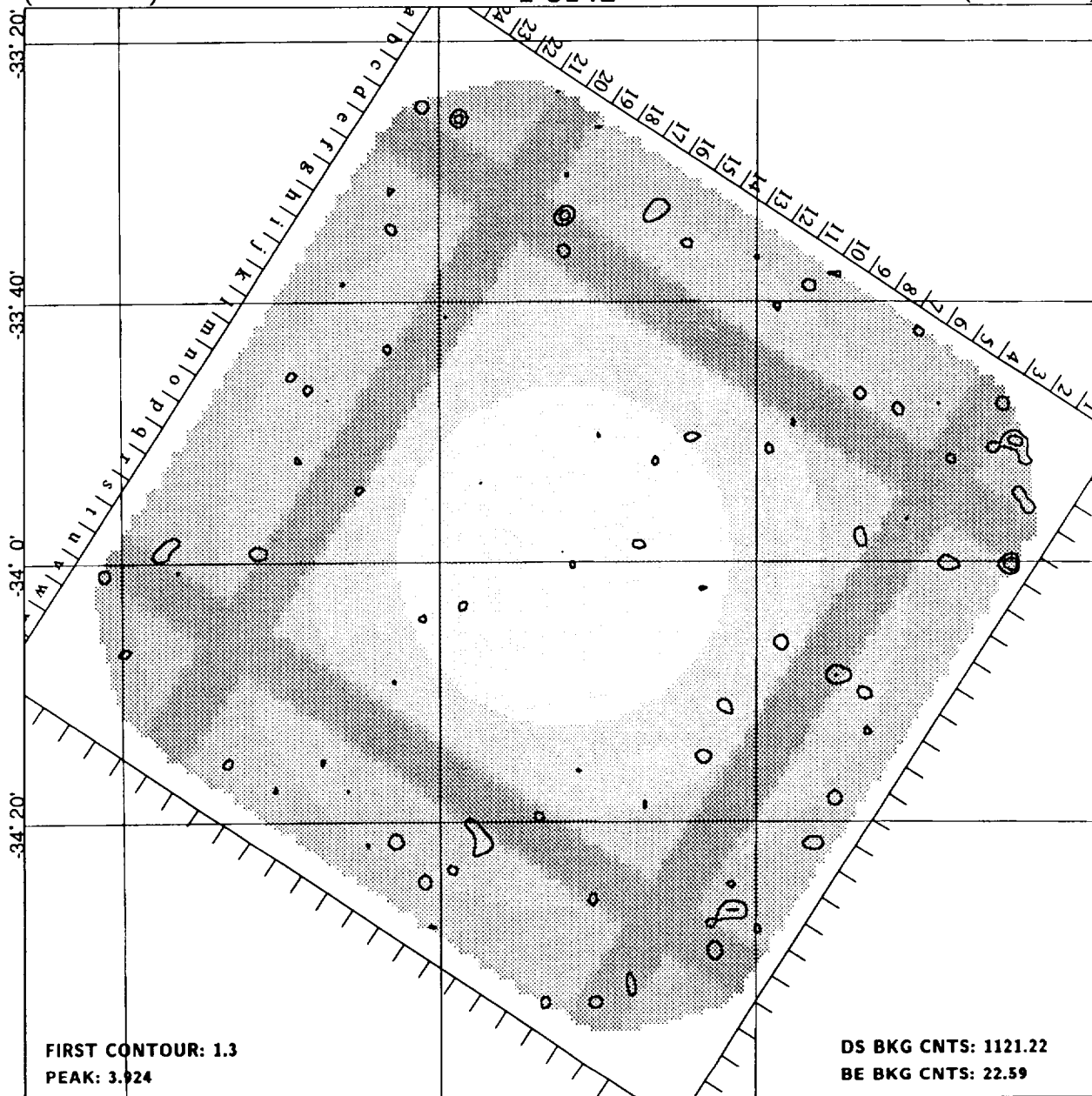
NH: 5.1E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID
118	1	00 37 42.7	29 18 58	51	*0.0225	0.0044	32.0	7.0	5.1	3.0	801	34.3	AH	

(0h 35m)

I 3142

(0h 35m)



FIRST CONTOUR: 1.3
PEAK: 3.924

DS BKG CNTS: 1121.22
BE BKG CNTS: 22.59

0h 38m

0h 36m

0h 34m

CARTWHEEL: RING GALAXIES SURVEY

FIELD CENTER: 00^h35^m14.4^s -33°59'24" (B1950)
00^h37^m41.1^s -33°42'54" (J2000)
 l : 326.31 b : -82.78

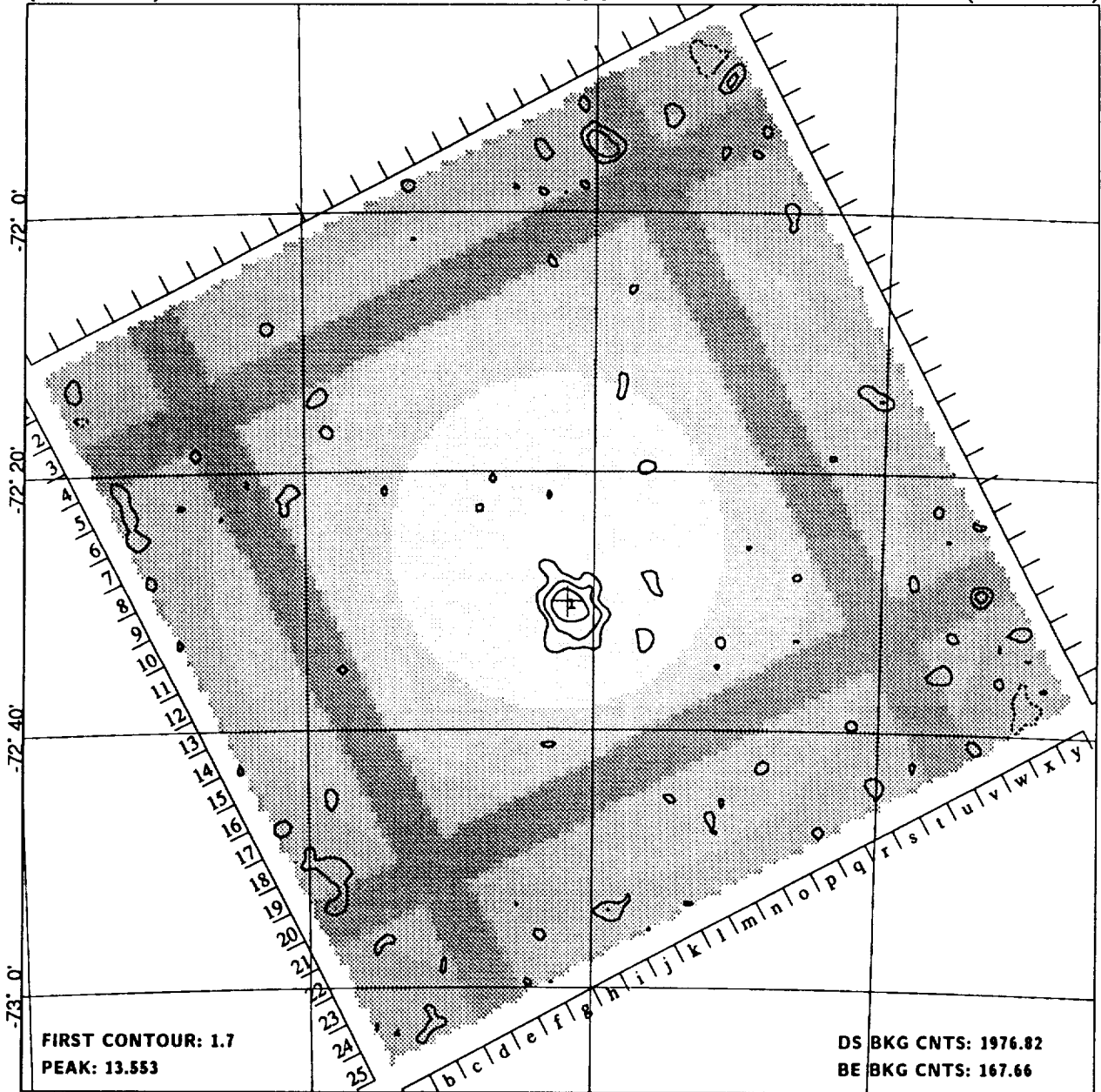
DATE: 1979/340 - 1979/341
LIVETIME: 908.6s
ROLL ANGLE: 123.1°

NH: 1.8E+20
REF/ID:
FIELD FLAGS:

(0h 35m)

I 606

(0h 35m)



FIRST CONTOUR: 1.7
PEAK: 13.553

DS BKG CNTS: 1976.82
BE BKG CNTS: 167.66

SMC SURVEY

FIELD CENTER: 00^h35^m33.9^s -72°26'01" (B1950)
00^h37^m34.4^s -72°09'31" (J2000)
 l : 304.43 b : -44.93

DATE: 1979/120 - 1979/120
LIVETIME: 1601.9s
ROLL ANGLE: -27.6°

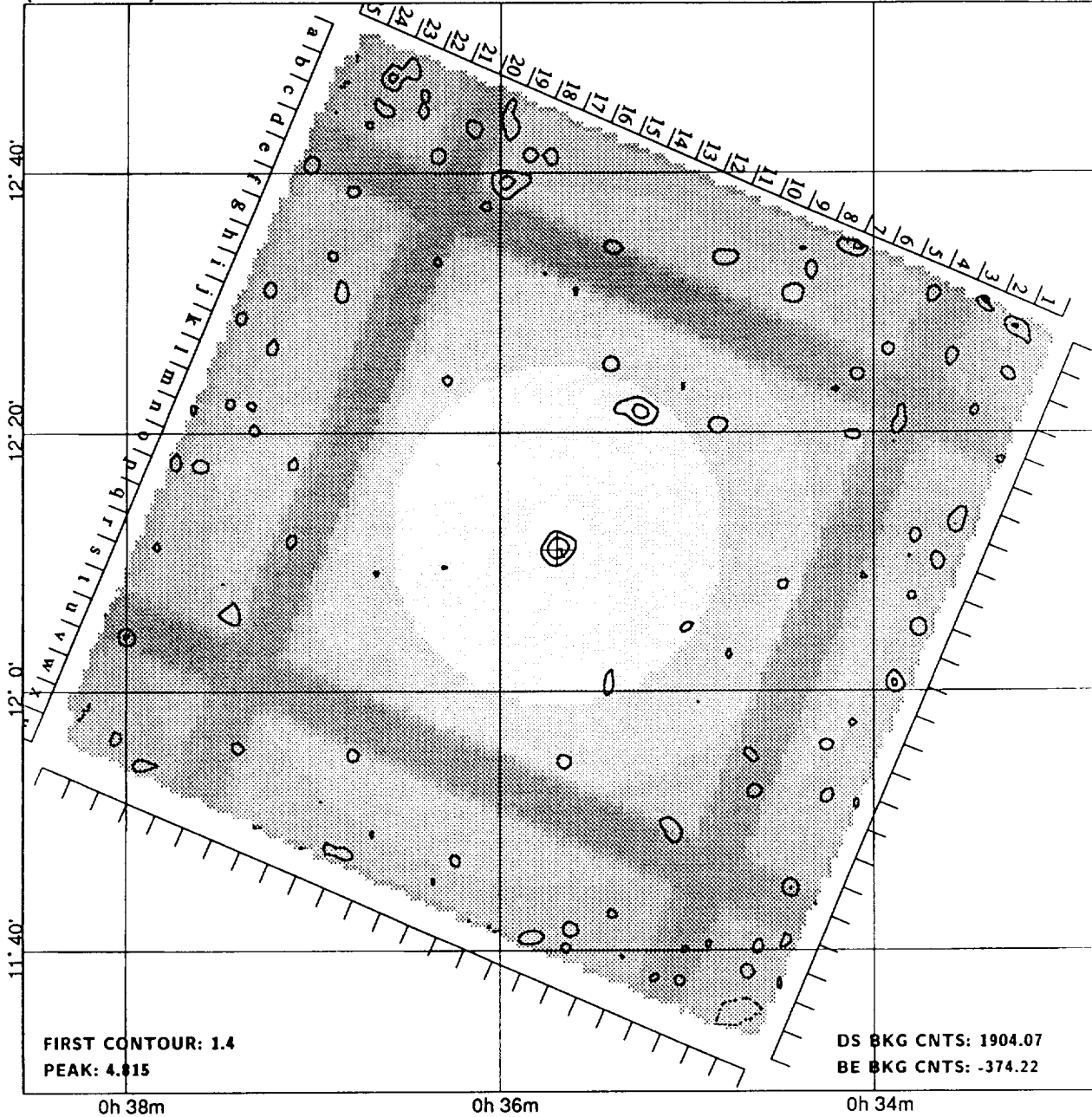
NH: 3.8E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
104	1	00 35 27.5	-72 29 59	35	0.0481	0.0068	55.2	5.8	7.1	1.8	0	3.9	H	SNR

(0h 35m)

I 7508

(0h 35m)



PKS 0035+122, IDENTIFICATION OF NEW BL LAC OBJECTS

FIELD CENTER: 00^h35^m41.5^s 12°11'02" (B1950)
 00^h38^m17.6^s 12°27'32" (J2000)
 l : 117.91 b : -50.28

DATE: 1980/ 2 - 1980/ 2
 LIVETIME: 1542.9s
 ROLL ANGLE: 113.1°

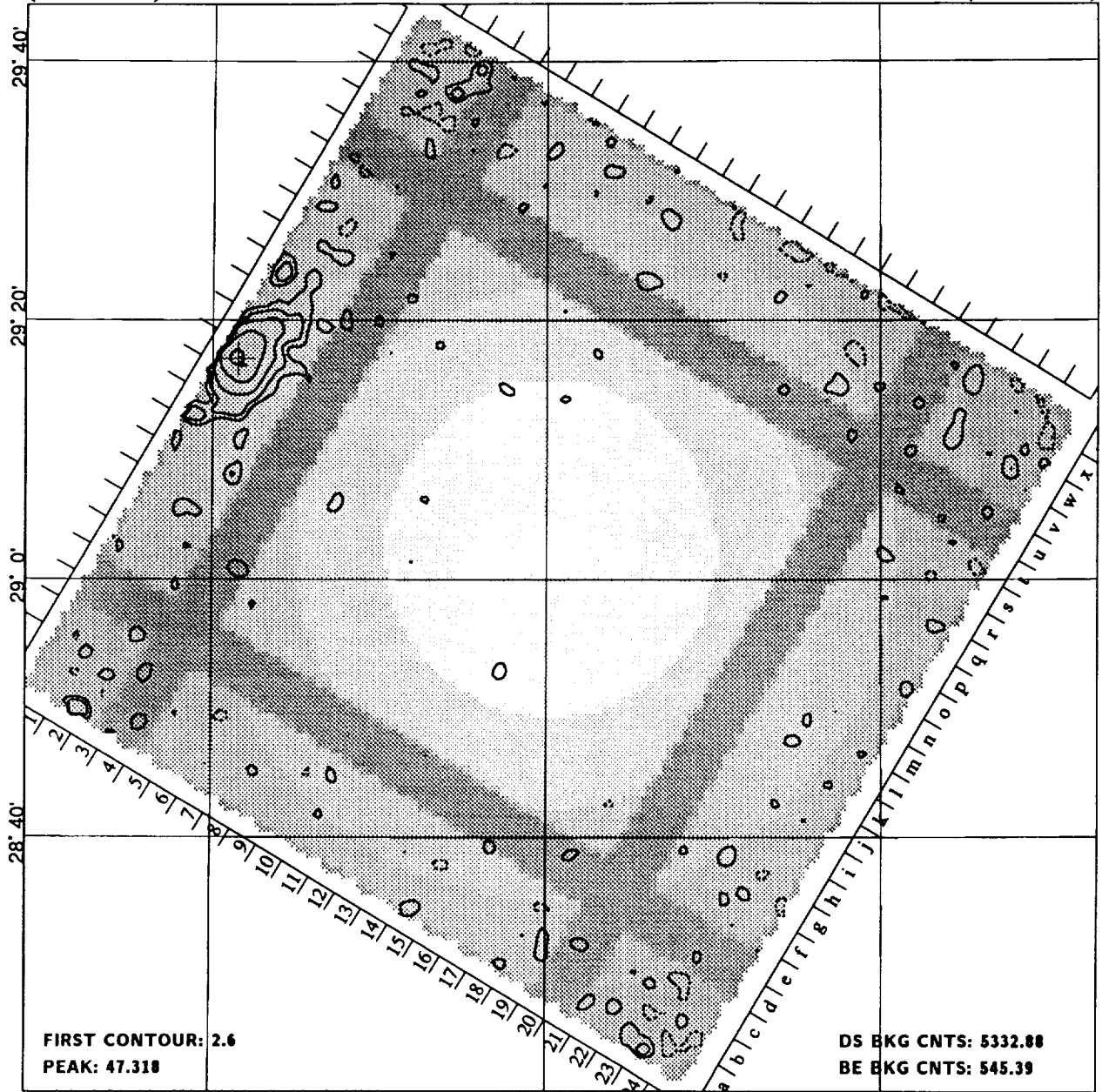
NH: 5.2E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
105	1	00 35 41.6	12 10 55	38	0.0146	0.0039	16.8	3.2	3.8	0.7	0	0.2	H

(0h 35m)

I 7917

(0h 35m)



FIRST CONTOUR: 2.6
PEAK: 47.318

DS BKG CNTS: 5332.88
BE BKG CNTS: 545.39

HD 3546, CORONAL ACTIVITY IN F, G, & K STARS

FIELD CENTER: 00^h35^m54.4^s 29°02'25" (B1950)
00^h38^m34.2^s 29°18'54" (J2000)
l: 119.57 b: -33.47

DATE: 1980/209 - 1980/209
LIVETIME: 4321.4s
ROLL ANGLE: -59.2°

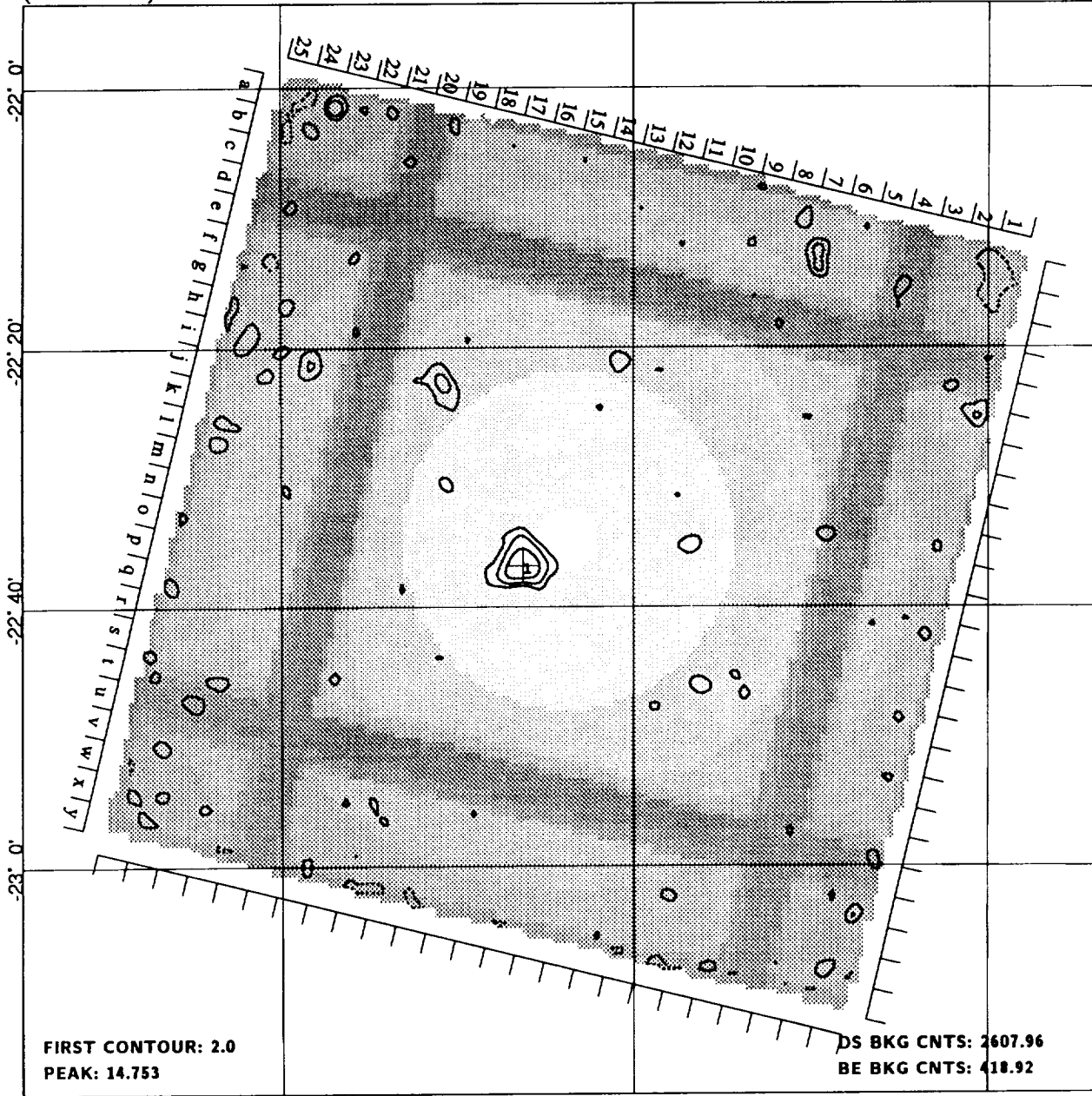
NH: 5.0E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
118	1	00 37 50.9	29 17 00	48	*0.0678	0.0068	106.0	8.0	9.9	2.6	401	29.5	AH

(0h 36m)

I 8989

(0h 36m)



DISTANCE 4 ABELL CLUSTERS: ABELL 74

FIELD CENTER: 00^h36^m26.0^s -22°35'36" (B1950)
 00^h38^m55.2^s -22°19'07" (J2000)
 $l: 91.68$ $b: -84.41$

DATE: 1981/ 15 - 1981/ 16
 LIVETIME: 2113.3s
 ROLL ANGLE: 103.7°

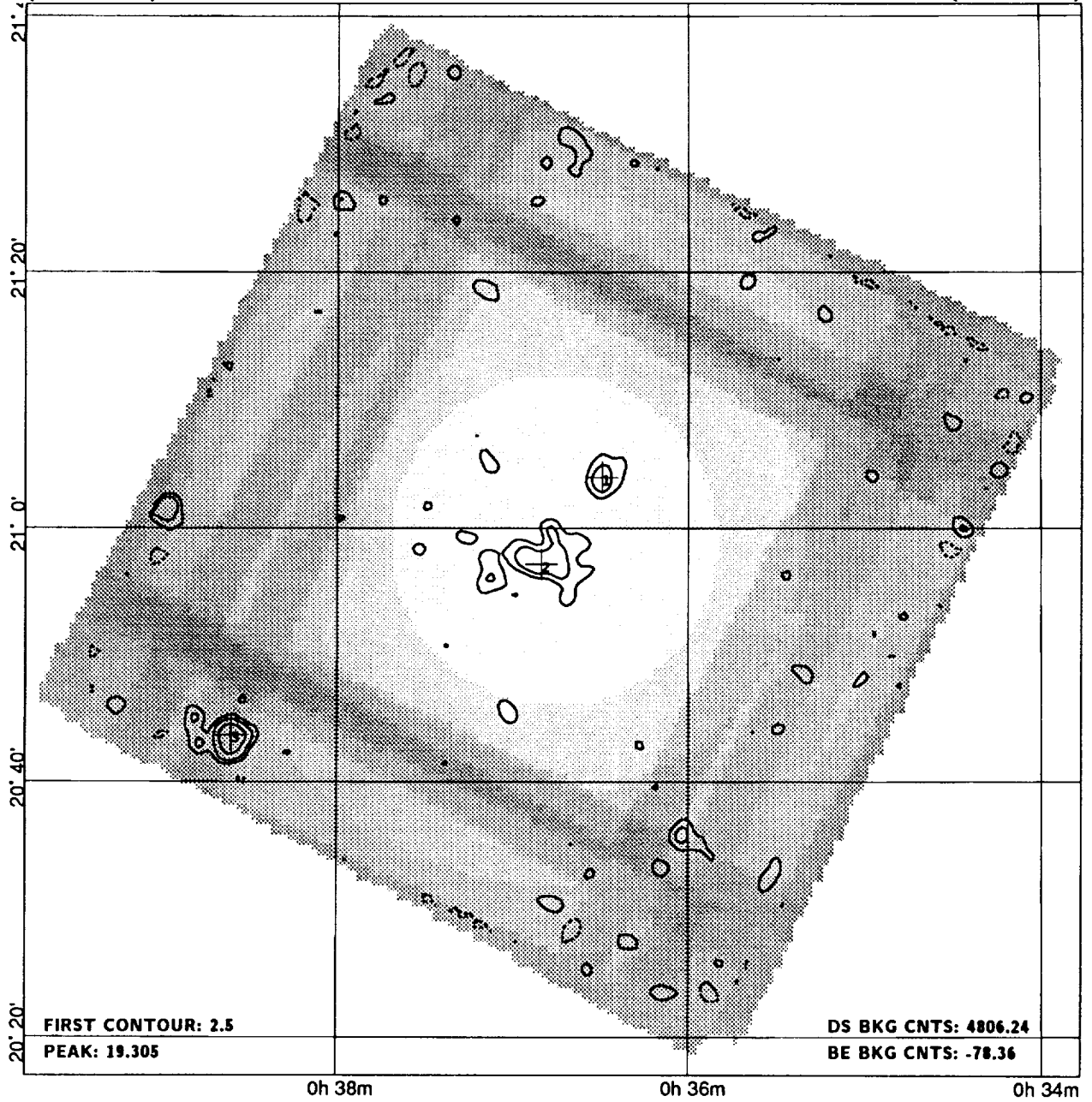
NH: 1.4E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
108	1	00 36 37.6	-22 36 47	34	0.0441	0.0056	67.5	6.5	7.8	1.3	0	3.0	H

(0h 36m)

I 7957

(0h 36m)



54 PSC(HD 3651),CFA STELLAR SURVEY

FIELD CENTER: 00^h36^m46.0^s 20°58'59" (B1950)
00^h39^m24.0^s 21°15'28" (J2000)
***l*: 119.18 *b*: -41.53**

DATE: 1980/206 - 1981/ 4
LIVETIME: 3894.6s

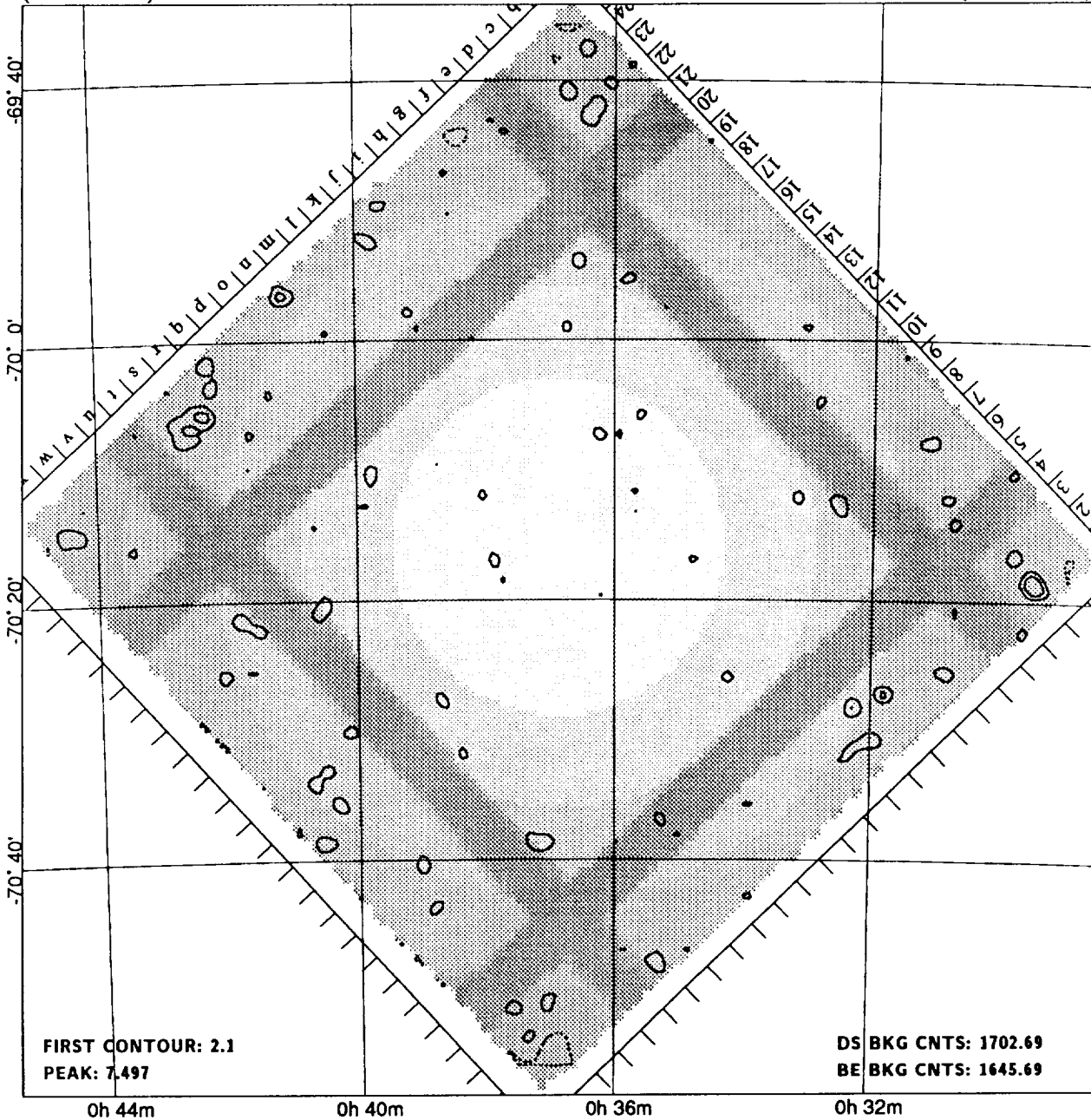
NH: 3.4E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
107	1	00 36 29.5	21 03 58	42	0.0112	0.0024	30.8	11.2	4.7	1.1	0	5.7	H
109	2	00 36 50.3	20 57 09	36	0.0155	0.0026	44.5	12.5	5.9	2.8	0	2.8	H
122	3	00 38 35.8	20 43 41	51	*0.0242	0.0046	33.0	6.0	5.3	1.3	1208	29.8	H

(0h 36m)

I 597

(0h 36m)



SMC SURVEY

FIELD CENTER: $00^h 36^m 53.9^s$ $-70^\circ 16' 13''$ (B1950)
 $00^h 38^m 57.2^s$ $-69^\circ 59' 44''$ (J2000)
 $l: 304.50$ $b: -47.09$

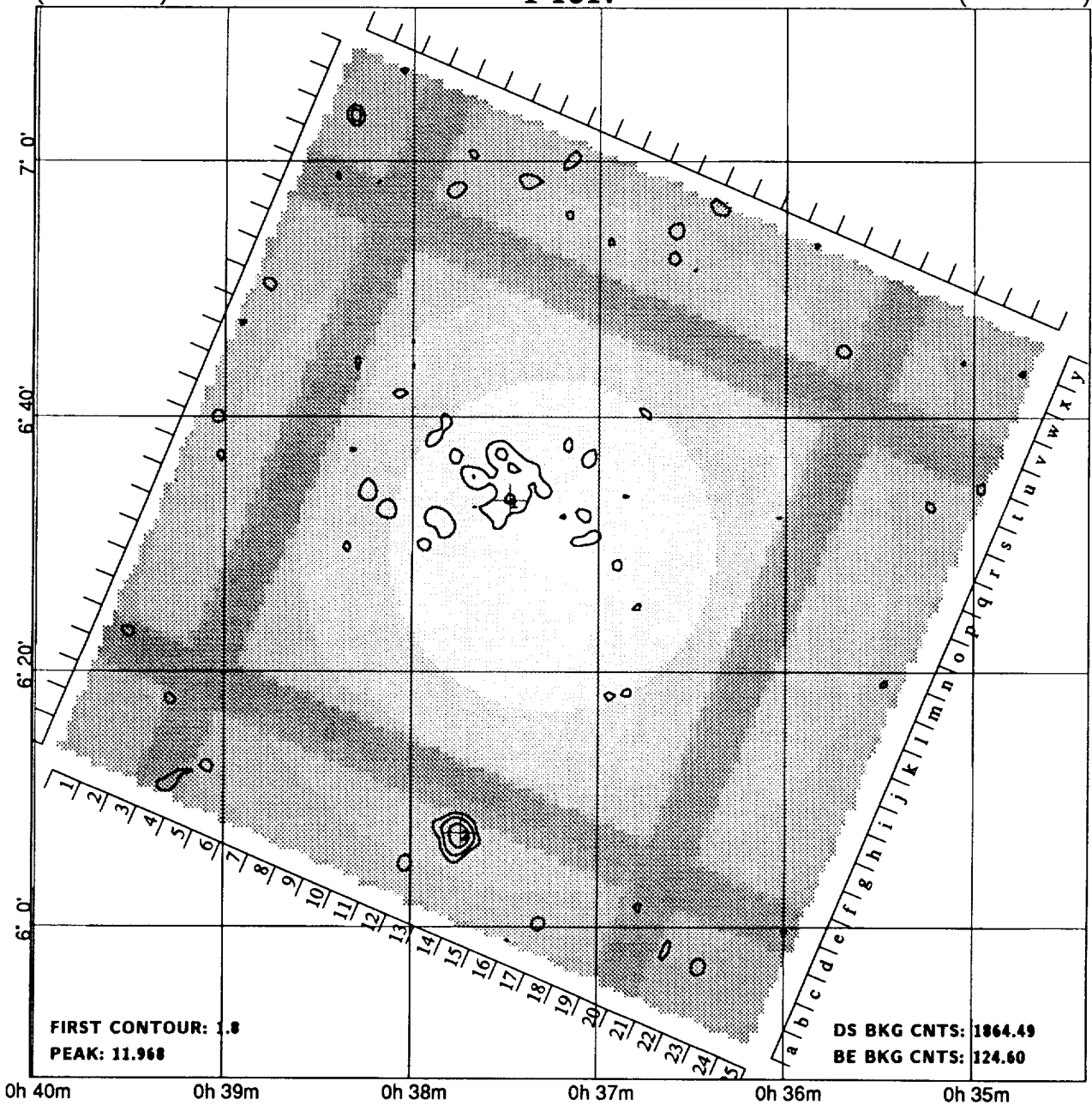
DATE: 1979/317 - 1979/317
 LIVETIME: 1379.7s
 ROLL ANGLE: 136.7°

NH: $2.4E+20$
 REF/ID:
 FIELD FLAGS: L

(0h 37m)

I 1817

(0h 37m)



X-RAY STUDY OF CLUSTERS OF GALAXIES: A76

FIELD CENTER: 00^h37^m12.0^s 06°29'59" (B1950)
 00^h39^m47.1^s 06°46'28" (J2000)
 l : 117.76 b : -55.98

DATE: 1979/178 - 1979/178
 LIVETIME: 1510.8s
 ROLL ANGLE: -67.1°

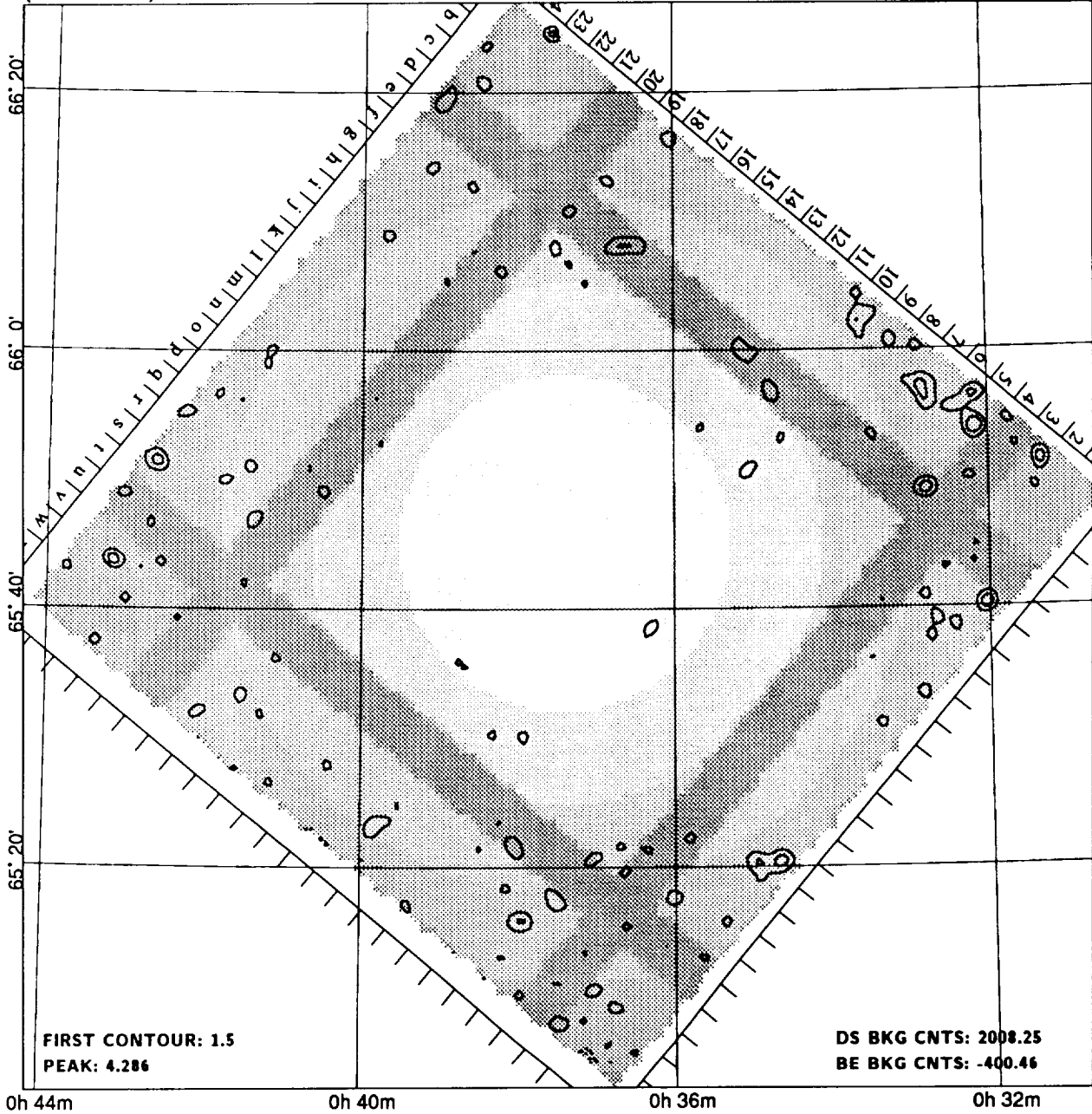
NH: 3.8E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
112	1	00 37 28.7	06 33 31	47	0.0175	0.0045	18.9	5.1	3.9	2.7	0	6.4		†
115	2	00 37 44.0	06 07 18	51	*0.0377	0.0079	25.8	3.2	4.8	1.0	601	24.0	H	AGN

(0h 37m)

I 3628

(0h 37m)



FIRST CONTOUR: 1.5
PEAK: 4.286

DS BKG CNTS: 2008.25
BE BKG CNTS: -400.46

COS-B GAMMA RAY SOURCE REGION A

FIELD CENTER: 00^h 37^m 30.0^s 65° 44' 59" (B1950)
00^h 40^m 29.0^s 66° 01' 27" (J2000)
l: 121.82 b: 3.18

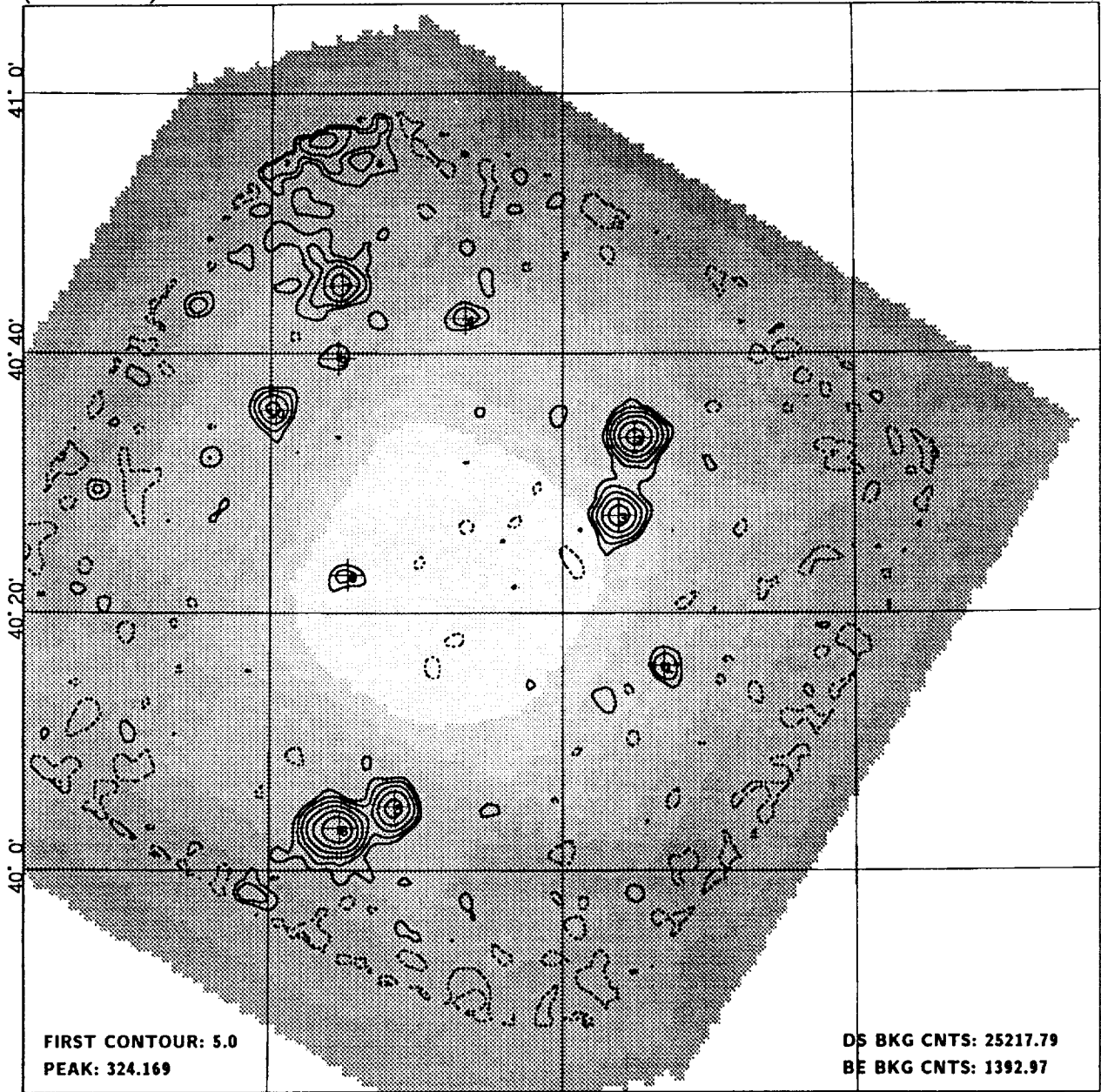
DATE: 1979/ 33 - 1979/ 33
LIVETIME: 1627.3s
ROLL ANGLE: 129.5°

NH: 8.0E+21
REF/ID:
FIELD FLAGS:

(0h 38m)

I 573

(0h 38m)



M 31 X RAY DISTRIBUTION AND VARIABILITY

FIELD CENTER: 00^h38^m00.0^s 40°24'57" (B1950)
 00^h40^m43.5^s 40°41'24" (J2000)
 l : 120.74 b : -22.14

DATE: 1979/ 23 - 1979/ 23
 LIVETIME: 20434.6s

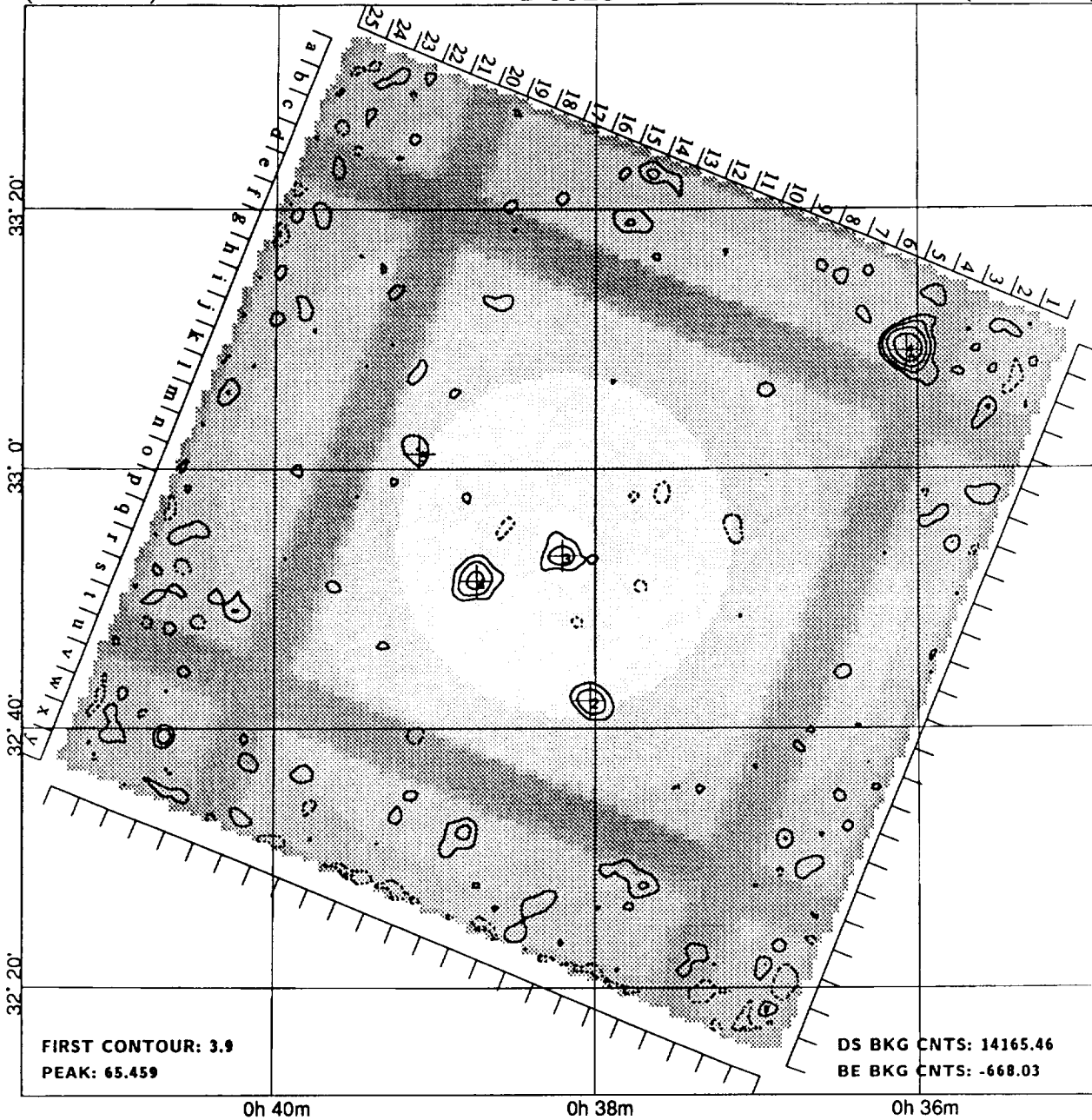
NH: 6.6E+20
 REF/ID:
 FIELD FLAGS: S

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
111	1	00 37 18.3	40 15 52	41	*0.00464	0.00087	53.0	45.0	5.4	0.8	301	11.9	H
113	2	00 37 30.4	40 33 28	37	0.0538	0.0022	625.8	45.2	24.2	1.8	300	10.2	H
114	3	00 37 36.9	40 27 31	37	0.0312	0.0017	402.4	57.6	18.8	3.1	0	5.1	EH
123	4	00 38 40.2	40 42 40	51	*0.00389	0.00085	42.0	42.0	4.6	0.8	803	19.4	H
131	5	00 39 08.9	40 04 59	47	*0.0285	0.0017	320.3	43.7	16.8	5.0	1609	23.9	H
139	6	00 39 28.3	40 22 52	50	0.00327	0.00072	47.2	60.8	4.5	0.7	0	17.1	
140	7	00 39 30.9	40 45 08	48	*0.0151	0.0014	142.4	33.6	10.7	1.6	1609	26.5	A
141	8	00 39 31.3	40 03 18	47	*0.0842	0.0029	867.5	43.5	28.7	1.6	906	27.7	H
142	9	00 39 32.4	40 39 38	55	*0.00274	0.00077	30.4	42.6	3.6	0.5	1609	23.1	A
148	10	00 39 57.9	40 35 37	48	*0.0123	0.0012	139.0	42.0	10.3	1.0	1508	25.0	A

(0h 38m)

I 6828

(0h 38m)



3C 19, OBSERVATIONS OF VERY DISTANT CLUSTERS

FIELD CENTER: 00^h38^m14.0^s 32°53'41" (B1950)
 00^h40^m55.2^s 33°10'09" (J2000)
l: 120.40 *b*: -29.65

DATE: 1980/ 12 - 1980/ 12
 LIVETIME: 11478.7s
 ROLL ANGLE: 112.1°

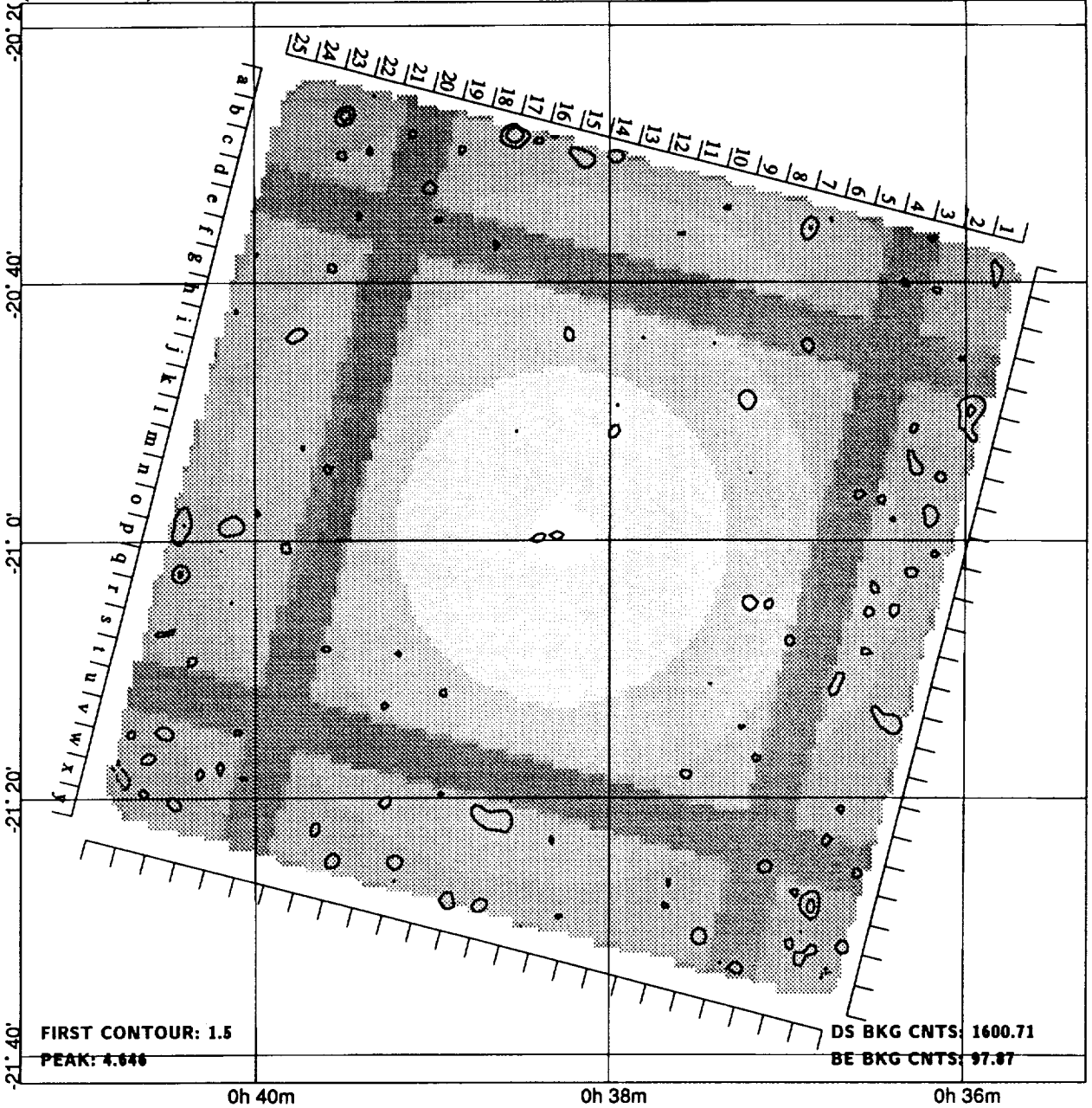
NH: 5.8E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
106	1	00 36 04.0	33 09 04	48	*0.0310	0.0030	121.0	19.0	10.2	1.1	904	31.2	AH	
119	2	00 38 01.9	32 42 09	41	0.0069	0.0012	50.8	32.2	5.6	0.8	0	11.9		AGN
120	3	00 38 12.3	32 53 19	36	0.0062	0.0011	52.8	30.2	5.8	0.9	0	0.4	H	CLG
124	4	00 38 44.4	32 51 20	41	0.0100	0.0013	79.8	29.2	7.6	1.0	0	6.9	H	AGN
129	5	00 39 06.1	33 01 09	47	0.0041	0.0011	28.7	27.3	3.8	0.6	0	13.6	H	

(0h 38m)

I 9977

(0h 38m)



PKS 0038-210: RADIO GAL. W/SELECTED RADIO/OPTICAL PROPERTIES

FIELD CENTER: $00^{\text{h}}38^{\text{m}}18.7^{\text{s}}$ $-21^{\circ}00'09''$ (B1950)
 $00^{\text{h}}40^{\text{m}}48.1^{\text{s}}$ $-20^{\circ}43'42''$ (J2000)
 $l: 101.58$ $b: -83.15$

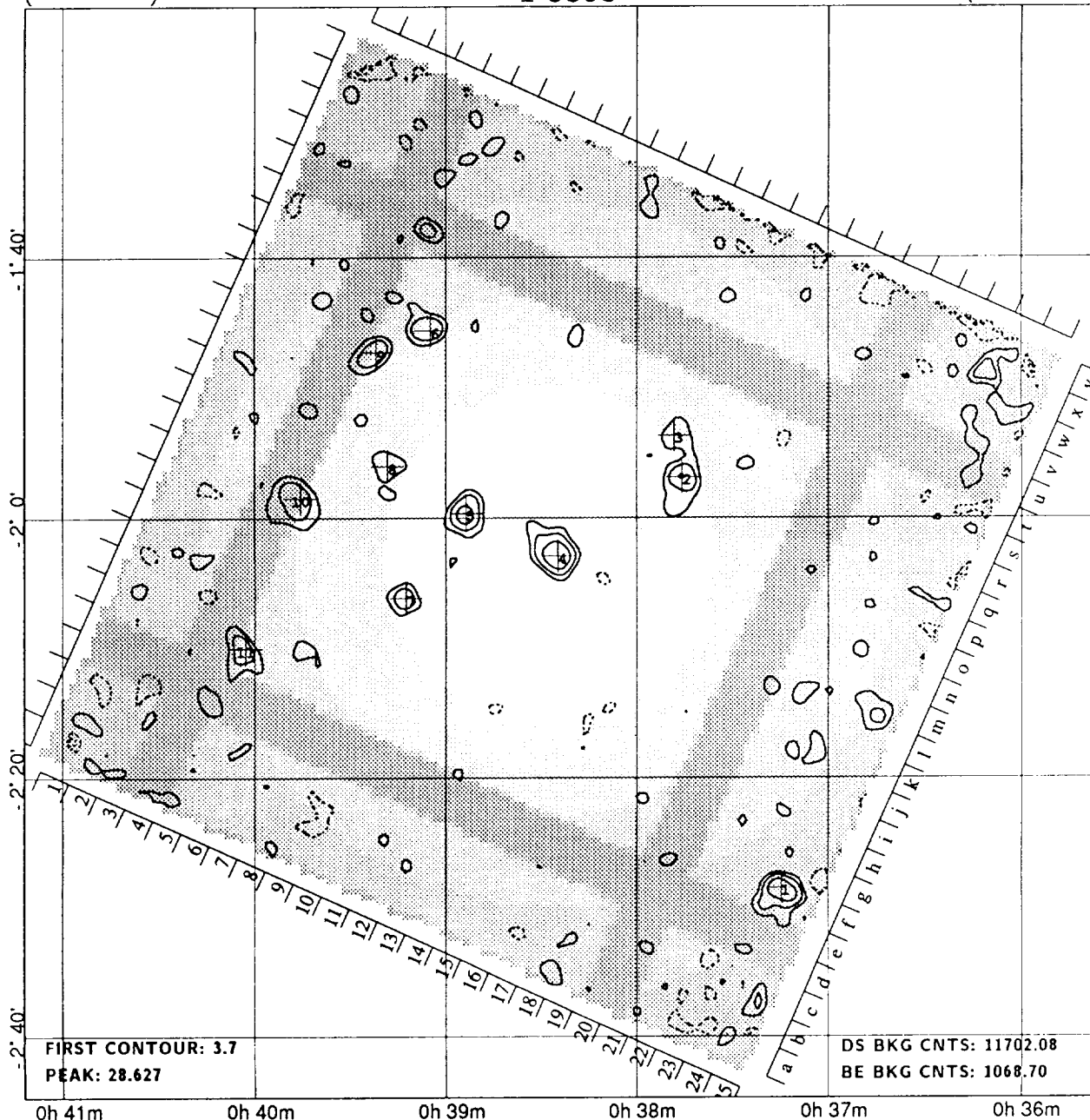
DATE: 1981/ 16 - 1981/ 16
 LIVETIME: 1297.1s
 ROLL ANGLE: 104.4°

NH: $1.5\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(0h 38m)

I 5393

(0h 38m)



PKS 0038-020,QSO'S WITH RADIO FLAT SPECTRUM (C.S.)

FIELD CENTER: 00^h38^m23.8^s -02°02'41" (B1950)
 00^h40^m57.2^s -01°46'14" (J2000)
 l : 116.83 b : -64.52

DATE: 1980/171 - 1980/171
 LIVETIME: 9482.5s
 ROLL ANGLE: -65.9°

NH: 2.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT ± RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
110	1	00 37 14.7	-02 28 35	51	0.0154 0.0027	47.9	22.1	5.7	1.1	0	31.0	H	
116	2	00 37 45.7	-01 56 52	41	0.0081 0.0014	49.0	28.0	5.6	1.5	0	11.0	H	AGN
117	3	00 37 48.1	-01 53 42	47	0.0051 0.0013	29.6	28.4	3.9	3.0	0	12.6	H	
121	4	00 38 24.7	-02 03 00	31	0.0165 0.0017	116.3	31.7	9.6	1.1	0	0.4	H	Q
125	5	00 38 53.6	-01 59 38	39	0.0118 0.0016	77.1	33.9	7.3	0.9	0	8.2		AGN
128	6	00 39 05.0	-01 45 37	51	0.0088 0.0016	43.0	22.0	5.3	0.9	0	20.2	H	
132	7	00 39 12.6	-02 06 12	41	0.0063 0.0014	38.1	29.9	4.6	0.7	0	12.8		
134	8	00 39 18.4	-01 56 03	55	0.0047 0.0013	26.4	24.6	3.7	0.6	0	15.3	H	
137	9	00 39 22.0	-01 47 16	51	*0.0073 0.0015	34.4	16.6	4.8	0.9	702	21.1		
145	10	00 39 45.6	-01 58 27	51	*0.0075 0.0015	36.0	16.0	5.0	1.2	1007	21.1		

Source Table cont.

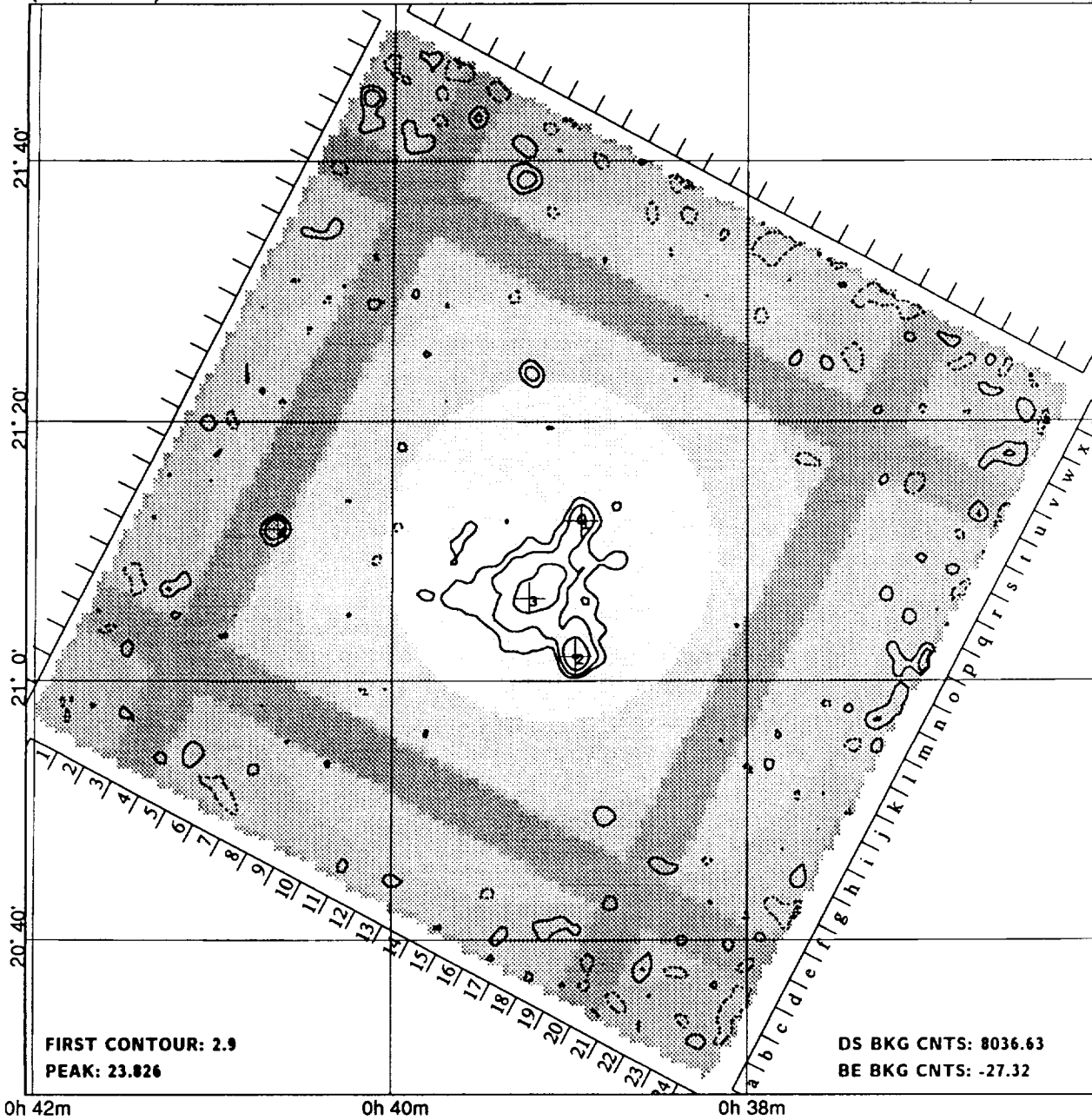
I 5393 cont.

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
149	11	00 40 02.8	-02 10 06	55	*0.0069	0.0017	28.1	18.9	4.1	1.0	804	26.0	H	

(0h 39m)

I 7640

(0h 39m)



CLUSTERS CONTAINING DISTORTED RADIO SOURCES

FIELD CENTER: $00^h 39^m 03.0^s$ $21^\circ 10' 04''$ (B1950)
 $00^h 41^m 41.3^s$ $21^\circ 26' 31''$ (J2000)
 $l: 119.91$ $b: -41.37$

DATE: 1980/205 - 1980/206
 LIVETIME: 6512.3s
 ROLL ANGLE: -62.3°

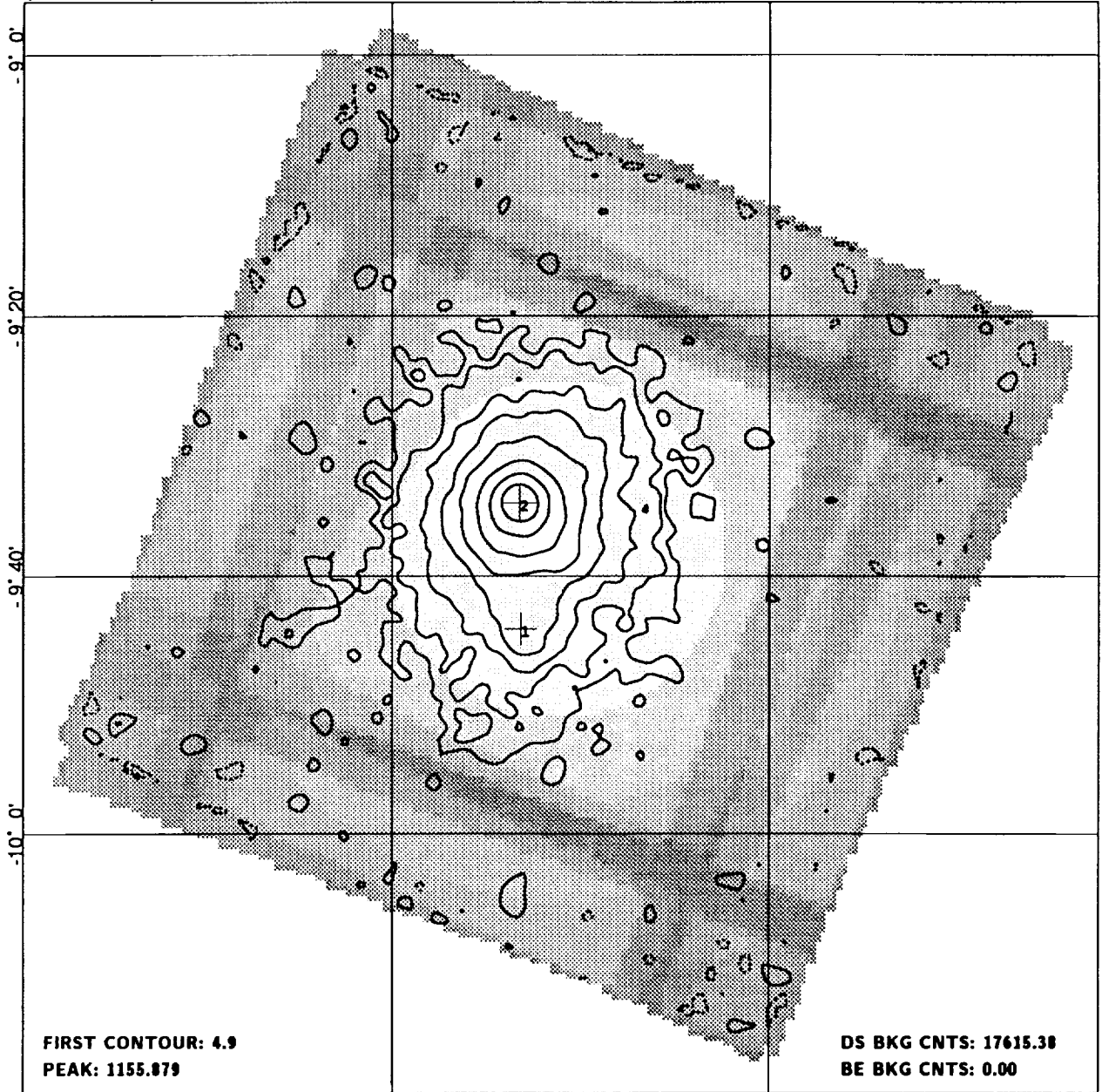
NH: $3.4E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
126	1	00 38 55.9	21 12 16	35	0.0093	0.0017	44.1	20.9	5.5	12.5	0	2.7	H
127	2	00 38 58.0	21 01 51	38	0.0205	0.0024	91.2	19.8	8.7	6.7	0	8.2	H
133	3	00 39 13.6	21 06 18	32	0.0209	0.0023	98.3	20.7	9.0	5.6	0	4.4	H
156	4	00 40 38.6	21 11 38	53	*0.0065	0.0018	20.6	10.4	3.7	0.7	907	22.3	

(0h 39m)

I 292

(0h 39m)



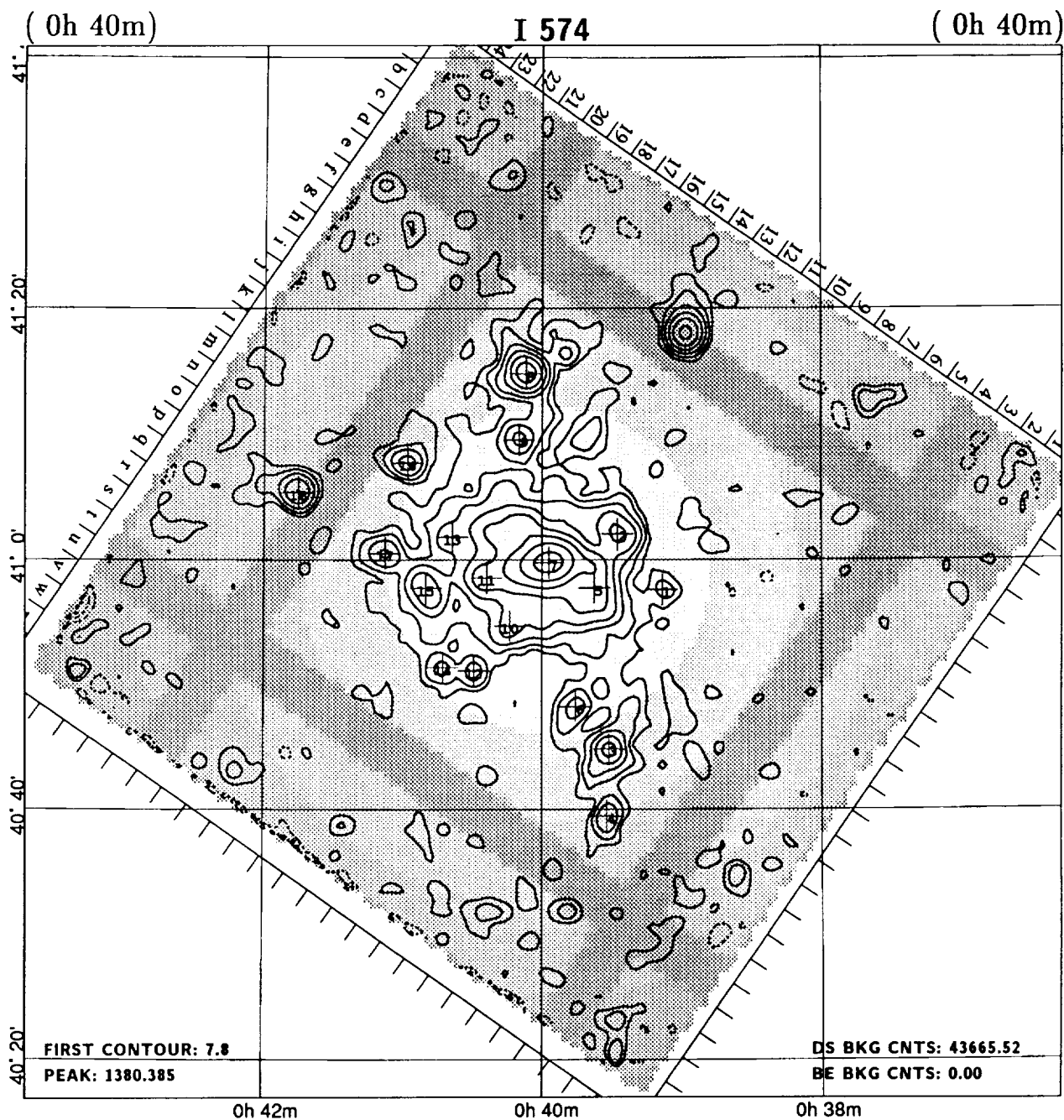
A85 DETAILED CLUSTER STUDY

FIELD CENTER: 00^h39^m06.0^s -09°37'59" (B1950)
00^h41^m37.8^s -09°21'33" (J2000)
ℓ: 115.05 b: -72.08

DATE: 1978/357 - 1980/194
LIVETIME: 14274.2s

NH: 3.0E+20
REF/ID:
FIELD FLAGS: DL

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
135	1L	00 39 19.1	-09 44 05	38	0.0118	0.0026	117.8	297.2	4.4	64.8	0	7.2		
136	2L	00 39 19.5	-09 34 23	31	0.3306	0.0088	3389.4	2179.6	37.5	4.6	0	4.9	CLG	



M 31 X RAY DISTRIBUTION AND VARIABILITY

FIELD CENTER: 00^h40^m00.0^s 40°58'58" (B1950)
 00^h42^m44.2^s 41°15'24" (J2000)
 ℓ : 121.17 b : -21.59

DATE: 1979/ 11 - 1979/ 11
 LIVETIME: 35383.3s
 ROLL ANGLE: 124.8°

NH: 6.8E+20
 REF/ID:
 FIELD FLAGS: LS

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
130	1L	00 39 08.2	40 57 38	42	0.00274	0.00072	65.4	116.6	3.8	325.6	0	9.9		
138	2L	00 39 27.5	41 02 01	37	0.0183	0.0014	455.3	322.7	13.4	39.4	0	6.9	A	
140	3L	00 39 31.2	40 44 49	47	0.0188	0.0013	391.7	146.3	14.2	50.3	0	15.1	A	
142	4L	00 39 32.0	40 39 27	48	0.0067	0.0010	121.0	99.0	6.6	134.2	0	20.1	A	
143	5L	00 39 37.5	40 57 46	31	0.0070	0.0017	178.6	947.4	4.0	25.8	0	4.7		
144	6L	00 39 45.6	40 48 16	38	0.00561	0.00086	129.6	130.4	6.4	154.8	0	11.1	A	
147	7L	00 39 57.1	40 59 47	31	0.1821	0.0037	4798.3	2034.7	49.0	4.2	0	1.0	A	G
151	8L	00 40 07.1	41 14 50	47	0.0526	0.0020	1075.9	156.1	26.8	19.3	0	15.9	A	
150	9L	00 40 10.0	41 09 34	38	0.00890	0.00098	207.1	144.9	9.0	98.0	0	10.7	A	
152	10L	00 40 13.8	40 54 43	31	0.0081	0.0011	202.7	299.3	7.1	61.9	0	5.0		

Source Table cont.

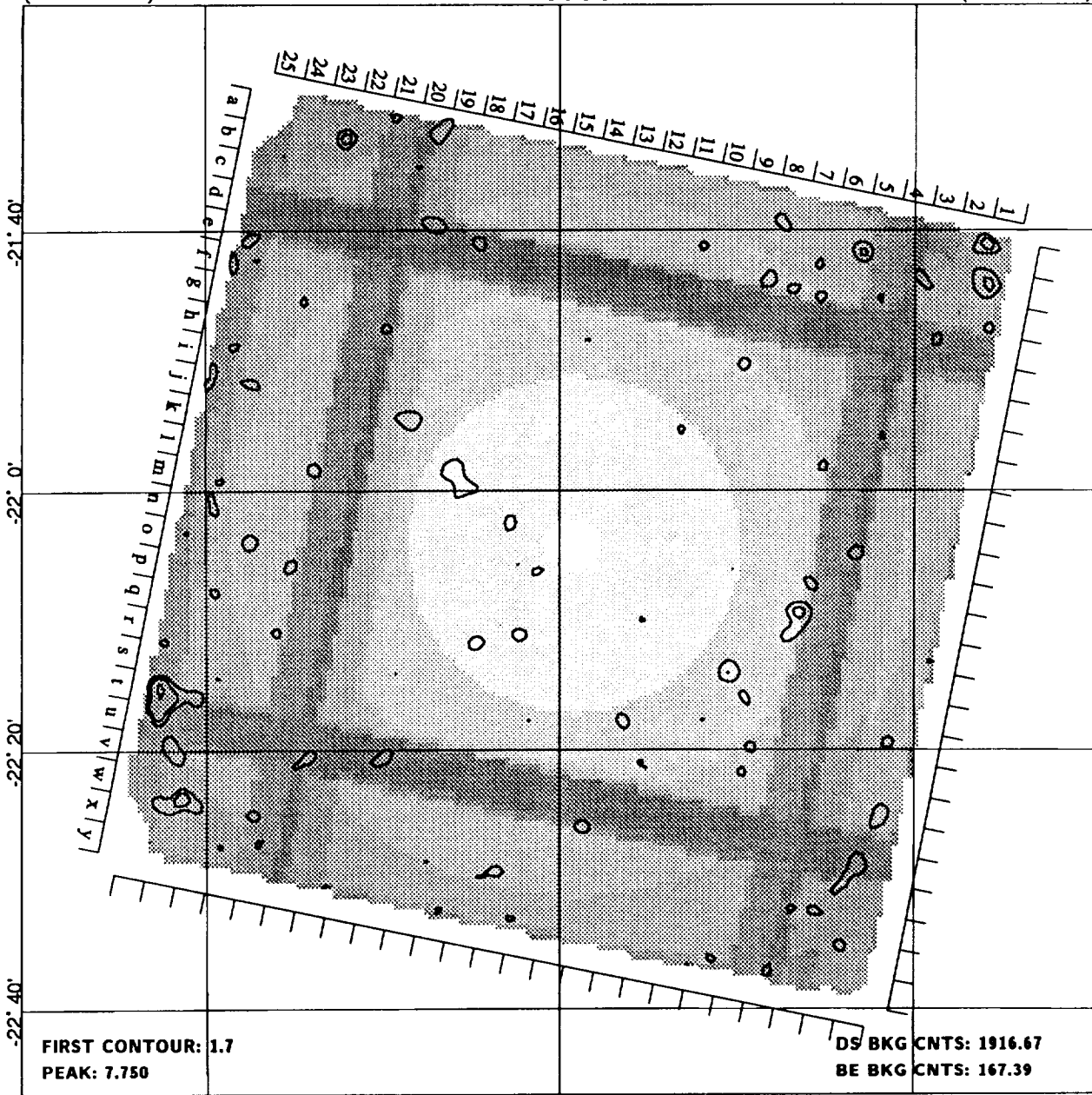
I 574 cont.

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
153	11L	00 40 23.9	40 58 34	31	0.0174	0.0016	439.6	603.4	10.8	27.9	0	4.7	A
154	12L	00 40 29.4	40 51 08	38	0.00556	0.00083	130.5	122.5	6.6	169.6	0	9.6	A
157	13L	00 40 38.8	41 01 46	38	0.00388	0.00098	93.8	242.2	3.9	102.0	0	7.8	
158	14L	00 40 42.8	40 51 24	41	0.00429	0.00082	97.9	127.1	5.1	181.9	0	11.1	A
160	15L	00 40 50.2	40 57 45	38	0.0147	0.0012	345.4	220.6	11.9	58.1	0	9.7	A
161	16L	00 40 58.2	41 07 45	38	0.0116	0.0010	245.6	90.4	11.0	1.2	300	14.0	A
164	17L	00 41 07.9	41 00 30	38	0.00928	0.00097	201.9	112.1	9.4	102.7	0	12.9	A
166	18L	00 41 45.2	41 05 23	47	*0.0180	0.0018	311.0	90.4	9.7	1.2	804	20.8	A

(0h 40m)

I 8990

(0h 40m)



FIRST CONTOUR: 1.7
 PEAK: 7.750

DS BKG CNTS: 1916.67
 BE BKG CNTS: 167.39

0h 42m

0h 40m

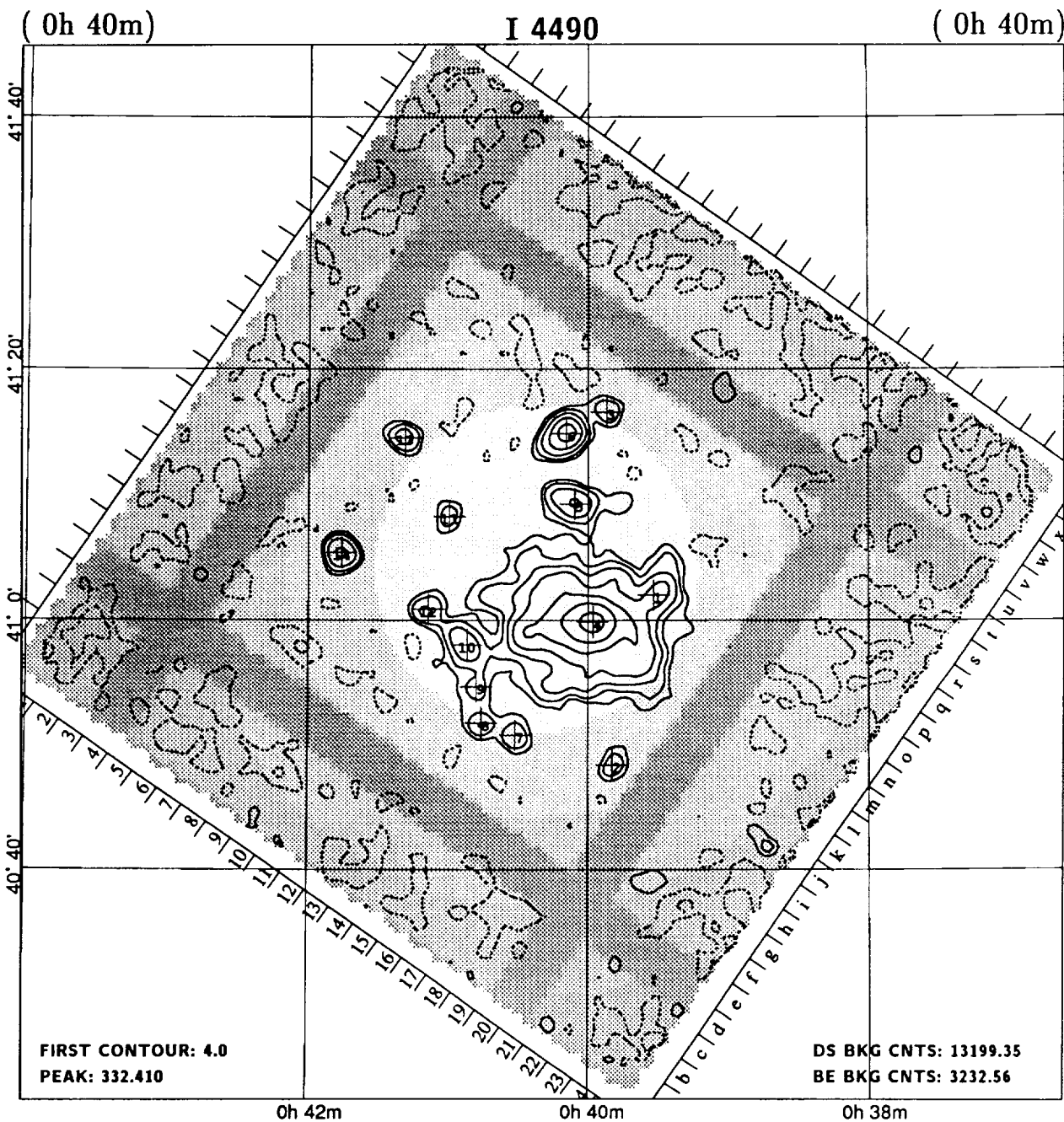
0h 38m

DISTANCE 4 ABELL CLUSTERS: ABELL 86

FIELD CENTER: $00^h 40^m 01.0^s$ $-22^\circ 04' 40''$ (B1950)
 $00^h 42^m 29.9^s$ $-21^\circ 48' 14''$ (J2000)
 $l: 101.55$ $b: -84.30$

DATE: 1981/ 17 - 1981/ 17
 LIVETIME: 1553.1s
 ROLL ANGLE: 101.4°

NH: $1.4E+20$
 REF/ID:
 FIELD FLAGS:



M 31 FOLLOW-UP (IPC POS. #10B)

FIELD CENTER: 00^h40^m19.2^s 41°03'45" (B1950)
00^h43^m03.5^s 41°20'11" (J2000)
ℓ: 121.24 b: -21.51

DATE: 1979/214 - 1979/214
LIVETIME: 10695.8s
ROLL ANGLE: -55.3°

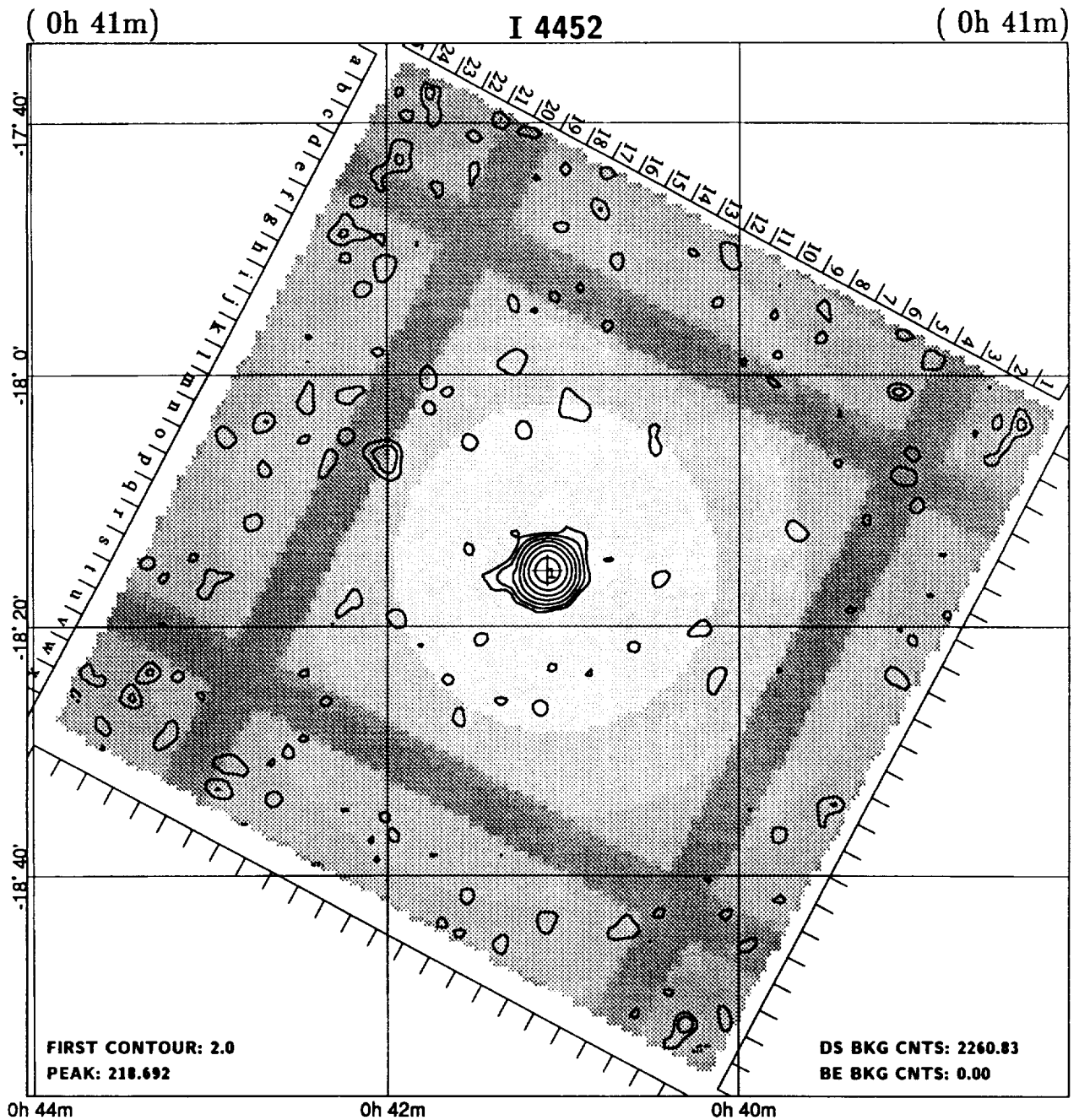
NH: 6.9E+20
REF/ID:
FIELD FLAGS: B

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
138	1	00 39 31.8	41 02 00	38	0.0257 0.0021	183.9	38.1	12.3	30.2	0	9.1	AH	
144	2	00 39 49.6	40 48 23	51	0.0064 0.0014	38.5	29.5	4.7	0.7	100	16.5	AH	
146	3	00 39 52.0	41 16 35	41	0.0066 0.0014	42.9	36.1	4.8	8.0	0	13.8		
147	4	00 39 57.9	40 59 52	37	0.2041 0.0053	1536.0	45.0	38.6	4.0	0	5.5	AH	G
150	5	00 40 05.7	41 09 14	38	0.0192 0.0018	145.0	39.0	10.7	1.4	0	6.3	AH	
151	6	00 40 09.4	41 14 53	38	0.0455 0.0027	318.8	43.2	16.8	1.2	0	11.5	AH	
154	7	00 40 31.4	40 50 44	41	0.0071 0.0014	46.8	37.2	5.1	108.4	0	13.1	AH	
158	8	00 40 45.9	40 51 42	41	0.0080 0.0014	53.2	30.8	5.8	110.4	0	13.0	A	
159	9	00 40 48.0	40 54 38	41	0.0066 0.0013	46.2	39.8	5.0	120.7	0	10.7	AH	
160	10	00 40 51.8	40 58 03	38	0.0185 0.0018	134.9	41.1	10.2	46.9	0	8.5	AH	

Source Table cont.

I 4490 cont.

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
161	11	00 40 59.5	41 08 15	41	0.0053	0.0012	38.8	42.2	4.3	0.6	0	8.8	A
164	12	00 41 08.6	41 00 52	39	0.0095	0.0015	68.6	48.4	6.3	93.9	0	10.1	A
165	13	00 41 18.7	41 14 32	50	0.0102	0.0015	64.5	31.5	6.6	0.8	0	15.7	
166	14	00 41 45.7	41 05 22	48	0.0187	0.0020	115.2	36.8	9.3	1.0	0	16.2	AH



BETA CET, CORRELATION OF X RAYS WITH STELLAR WIND AND ROTATION

FIELD CENTER: $00^{\text{h}} 41^{\text{m}} 05.0^{\text{s}}$ $-18^{\circ} 15' 38''$ (B1950)
 $00^{\text{h}} 43^{\text{m}} 34.7^{\text{s}}$ $-17^{\circ} 59' 13''$ (J2000)
 $l: 111.31$ $b: -80.68$

DATE: 1979/349 - 1979/349
LIVETIME: 1832.0s
ROLL ANGLE: 118.0°

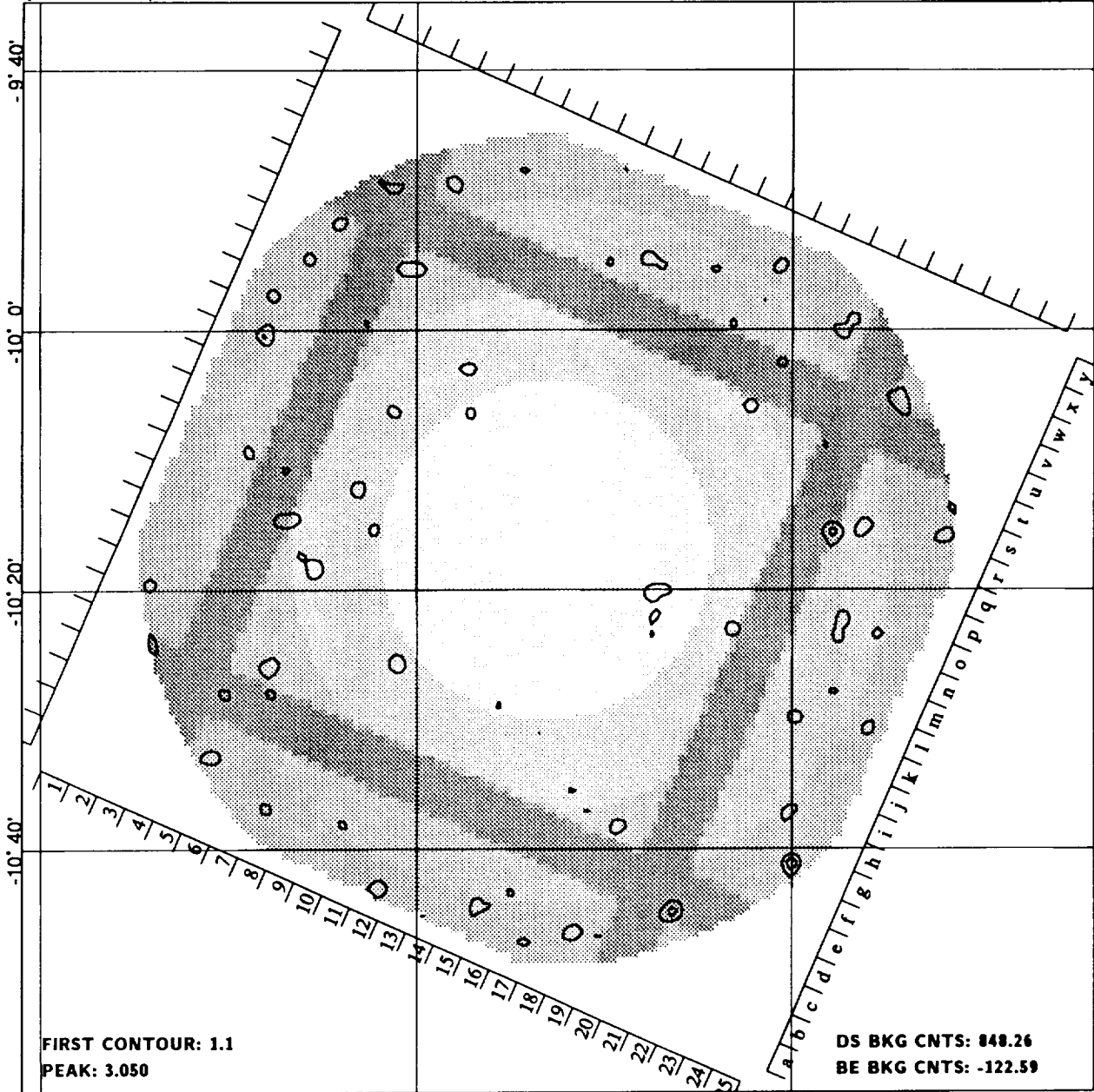
NH: $1.7E+20$
REF/ID:
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
163	1L	00 41 05.4	-18 15 29	31	0.635	0.026	866.1	114.9	24.2	1.2	0	0.2	S

(0h 41m)

I 859

(0h 41m)



0h 44m

0h 42m

0h 40m

GR 267 (FEIGE 7) STELLAR OBSERVATIONS, WHITE DWARFS

FIELD CENTER: $00^h 41^m 15.0^s$ $-10^\circ 16' 47''$ (B1950)
 $00^h 43^m 46.6^s$ $-10^\circ 00' 22''$ (J2000)
 $l: 116.55$ $b: -72.78$

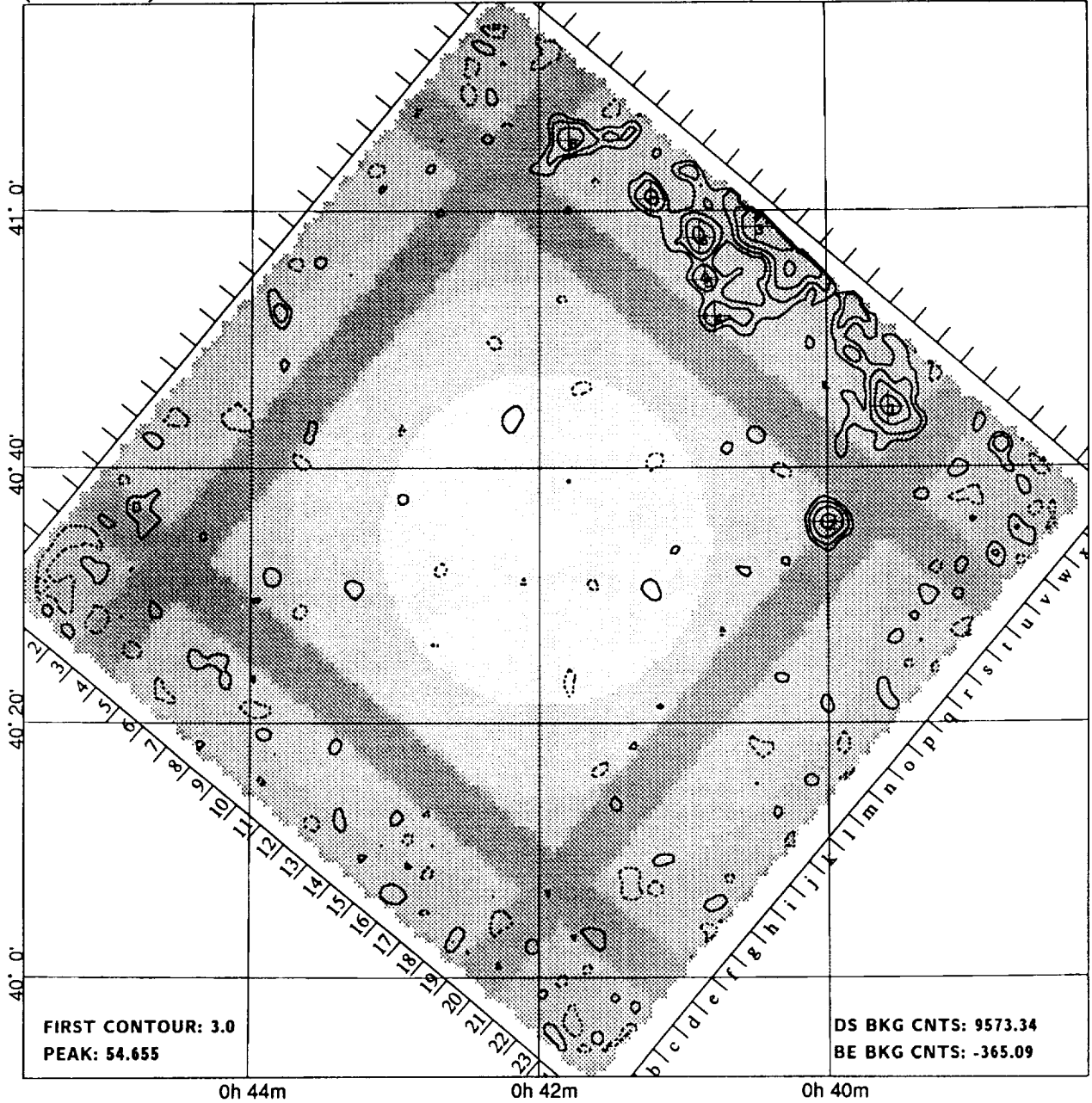
DATE: 1979/178 - 1979/178
 LIVETIME: 687.4s
 ROLL ANGLE: -66.3°

NH: $2.8E+20$
 REF/ID:
 FIELD FLAGS:

(0h 41m)

I 5021

(0h 41m)



HD 4174, SYMBIOTIC STARS'

FIELD CENTER: 00^h41^m52.8^s 40°34'21" (B1950)
 00^h44^m37.3^s 40°50'45" (J2000)
 l : 121.54 b : -22.01

DATE: 1980/210 - 1980/210
 LIVETIME: 7757.5s
 ROLL ANGLE: -50.1°

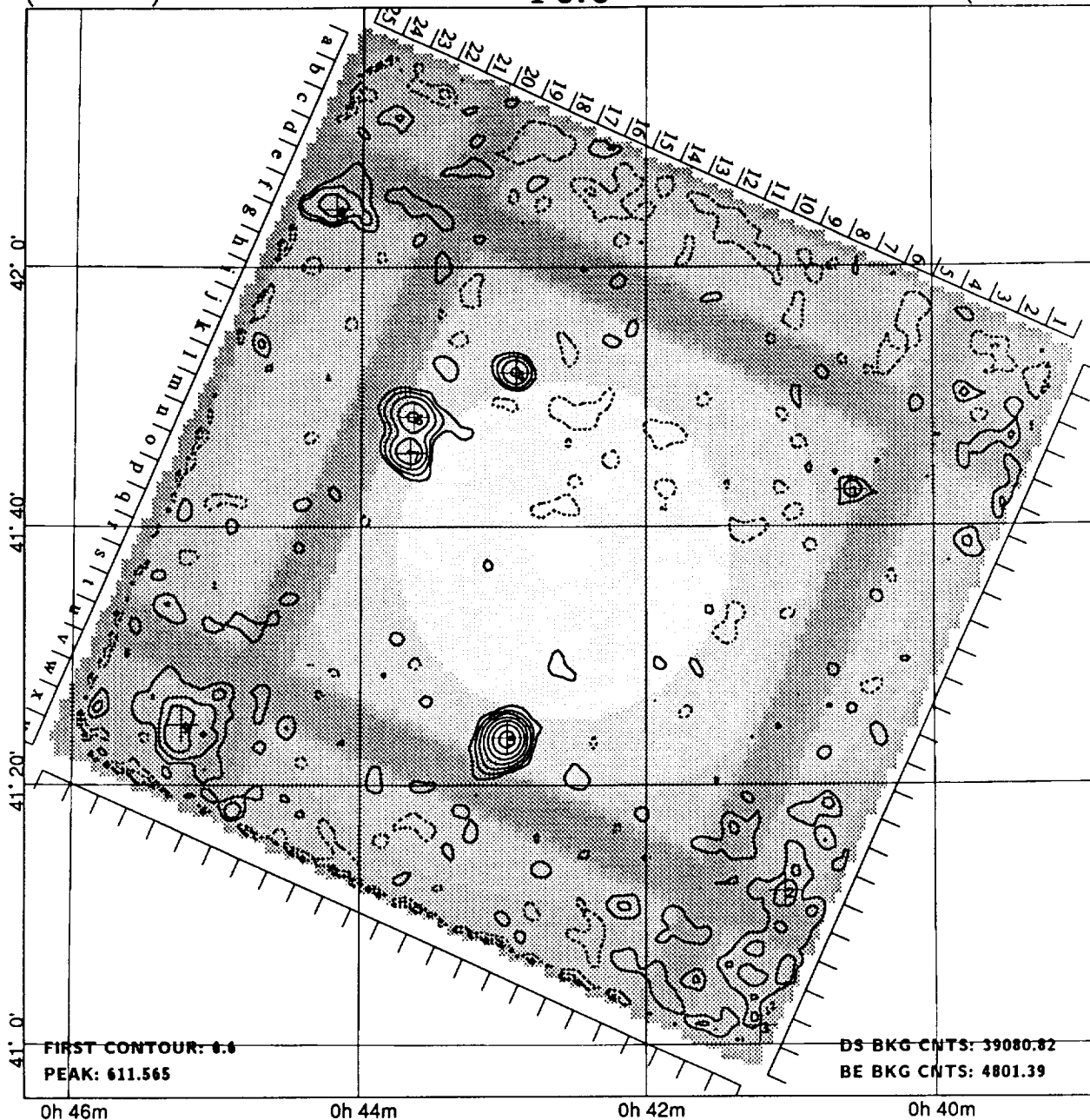
NH: 6.8E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
140	1	00 39 34.7	40 44 40	50	0.0224	0.0031	64.0	16.0	7.2	2.2	0	28.1	AH
148	2	00 40 00.2	40 35 46	48	*0.0196	0.0025	72.4	15.6	7.7	1.0	803	21.3	AH
153	3	00 40 29.5	40 58 44	48	*0.0448	0.0046	107.5	14.5	9.7	3.9	602	29.1	AEH
158	4	00 40 46.7	40 51 46	54	*0.0070	0.0017	25.9	12.1	4.2	21.5	803	21.2	AH
159	5	00 40 50.7	40 54 37	51	0.0072	0.0018	25.0	15.0	3.9	18.1	100	23.5	AH
160	6	00 40 53.0	40 57 55	50	0.0206	0.0028	65.0	15.0	7.3	6.9	0	26.1	AH
164	7	00 41 13.3	41 00 55	51	0.0104	0.0022	30.9	12.1	4.7	15.1	0	27.6	AH
166	8	00 41 47.5	41 05 28	51	*0.0153	0.0028	39.1	11.9	5.5	1.4	501	31.1	AH

(0h 42m)

I 575

(0h 42m)



FIRST CONTOUR: 0.6
 PEAK: 611.565

DS BKG CNTS: 39080.82
 BE BKG CNTS: 4801.39

M 31 X RAY DISTRIBUTION AND VARIABILITY

FIELD CENTER: 00^h42^m36.0^s 41°37'58" (B1950)
 00^h45^m21.1^s 41°54'22" (J2000)
l: 121.72 *b*: -20.95

DATE: 1979/ 11 - 1979/ 12
 LIVETIME: 31668.2s
 ROLL ANGLE: 114.1°

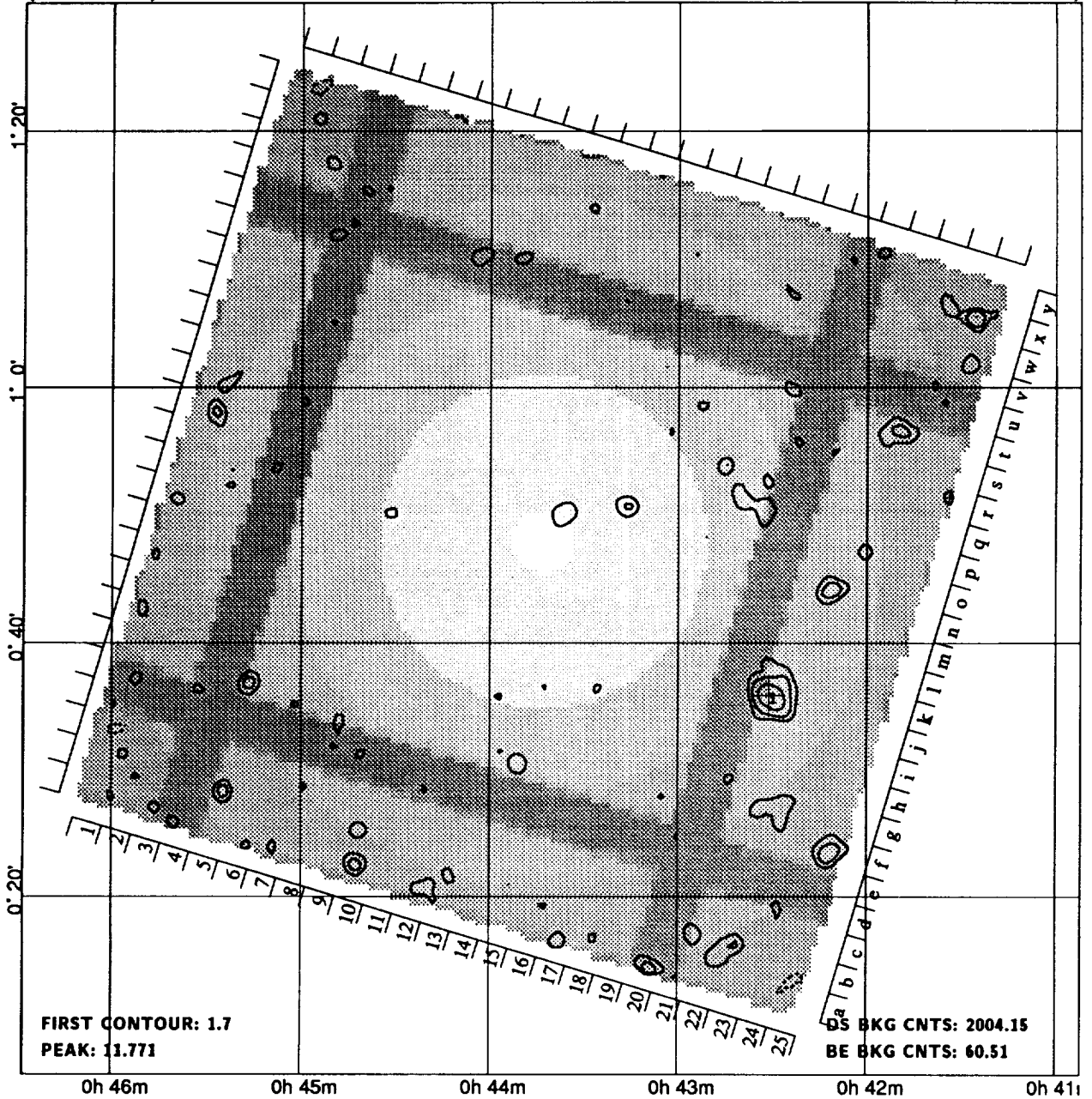
NH: 7.5E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
155	1	00 40 34.5	41 42 48	55	*0.00288	0.00070	42.6	64.4	4.1	0.7	401	23.1	
162	2	00 41 02.1	41 11 49	56	*0.00341	0.00096	35.4	63.6	3.6	5.1	704	31.3	H
164	3	00 41 12.5	41 01 28	55	*0.0058	0.0016	32.6	50.4	3.6	0.0	501	39.6	AEH
168	4	00 42 54.9	41 51 48	38	0.00847	0.00083	162.2	87.8	10.3	0.8	0	14.2	H
169	5	00 42 58.3	41 23 41	37	0.0865	0.0022	1615.9	92.1	39.1	1.0	100	14.9	H
171	6	00 43 37.8	41 48 25	47	*0.0198	0.0011	363.8	81.2	17.2	2.0	701	15.7	H
172	7	00 43 39.3	41 45 39	38	0.0168	0.0011	321.4	92.6	15.8	2.3	300	14.2	H
175	8	00 44 11.0	42 04 25	51	0.0068	0.0012	69.1	69.9	5.9	1.7	400	31.8	H
185	9	00 45 14.6	41 24 41	51	0.0088	0.0013	84.8	59.2	7.1	2.5	100	32.5	H

(0h 43m)

I 4020

(0h 43m)



QUASAR 0043+008 (MCS 275)

FIELD CENTER: 00^h43^m40.0^s 00°48'05" (B1950)
 00^h46^m14.0^s 01°04'29" (J2000)
 l : 120.18 b : -61.77

DATE: 1979/181 - 1979/181
 LIVETIME: 1624.0s
 ROLL ANGLE: -73.4°

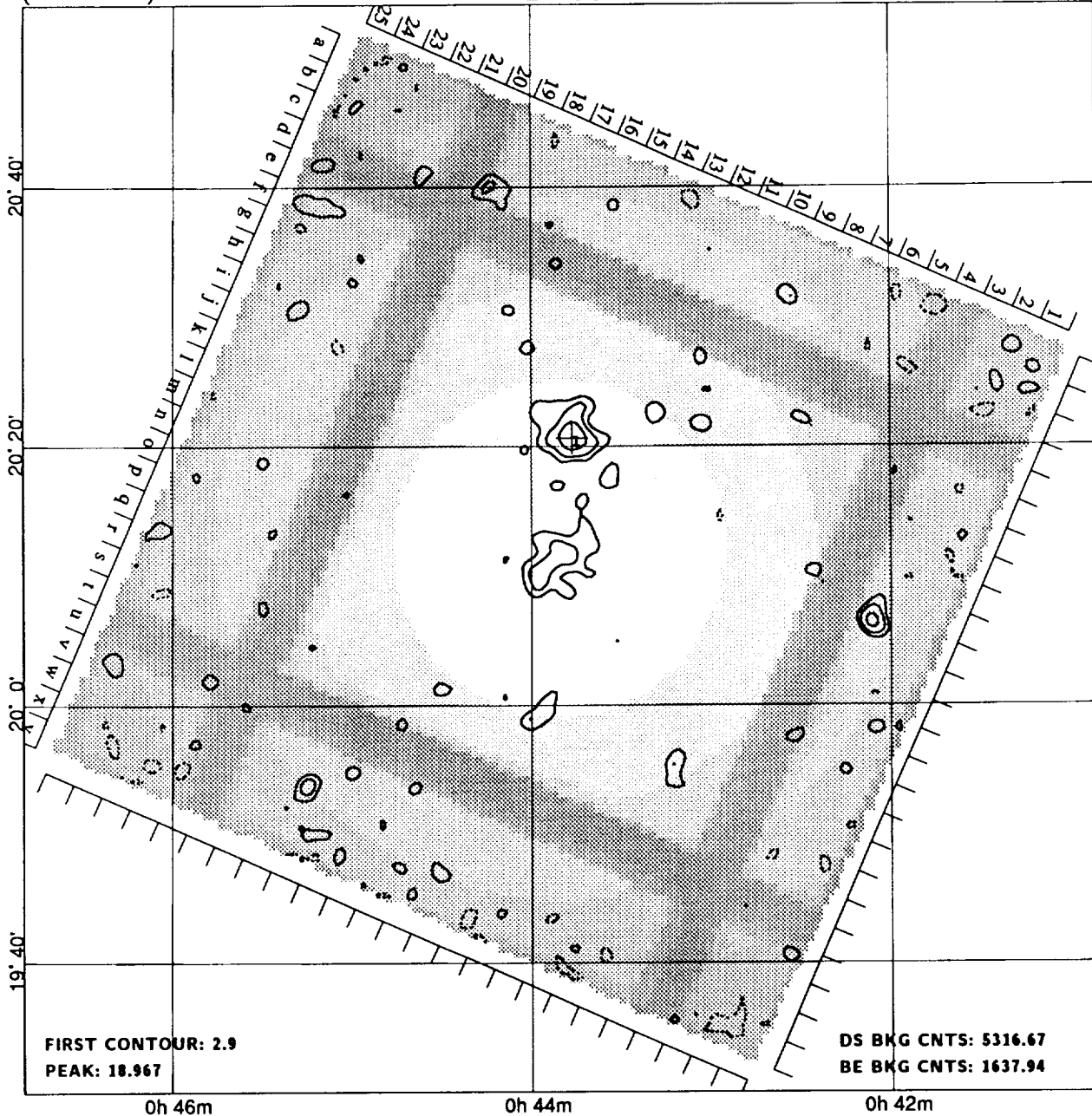
NH: 2.3E+20
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
167	1	00 42 31.1	00 35 51	51	*0.0418	0.0076	32.9	3.1	5.5	1.2	804	21.0	H

(0h 43m)

I 208

(0h 43m)



A 98 CLUSTER EVOLUTION

FIELD CENTER: $00^h 43^m 51.0^s$ $20^\circ 11' 59''$ (B1950)
 $00^h 46^m 29.6^s$ $20^\circ 28' 22''$ (J2000)
 $l: 121.36$ $b: -42.38$

DATE: 1979/ 8 - 1979/ 8
 LIVETIME: 4308.2s
 ROLL ANGLE: 113.6°

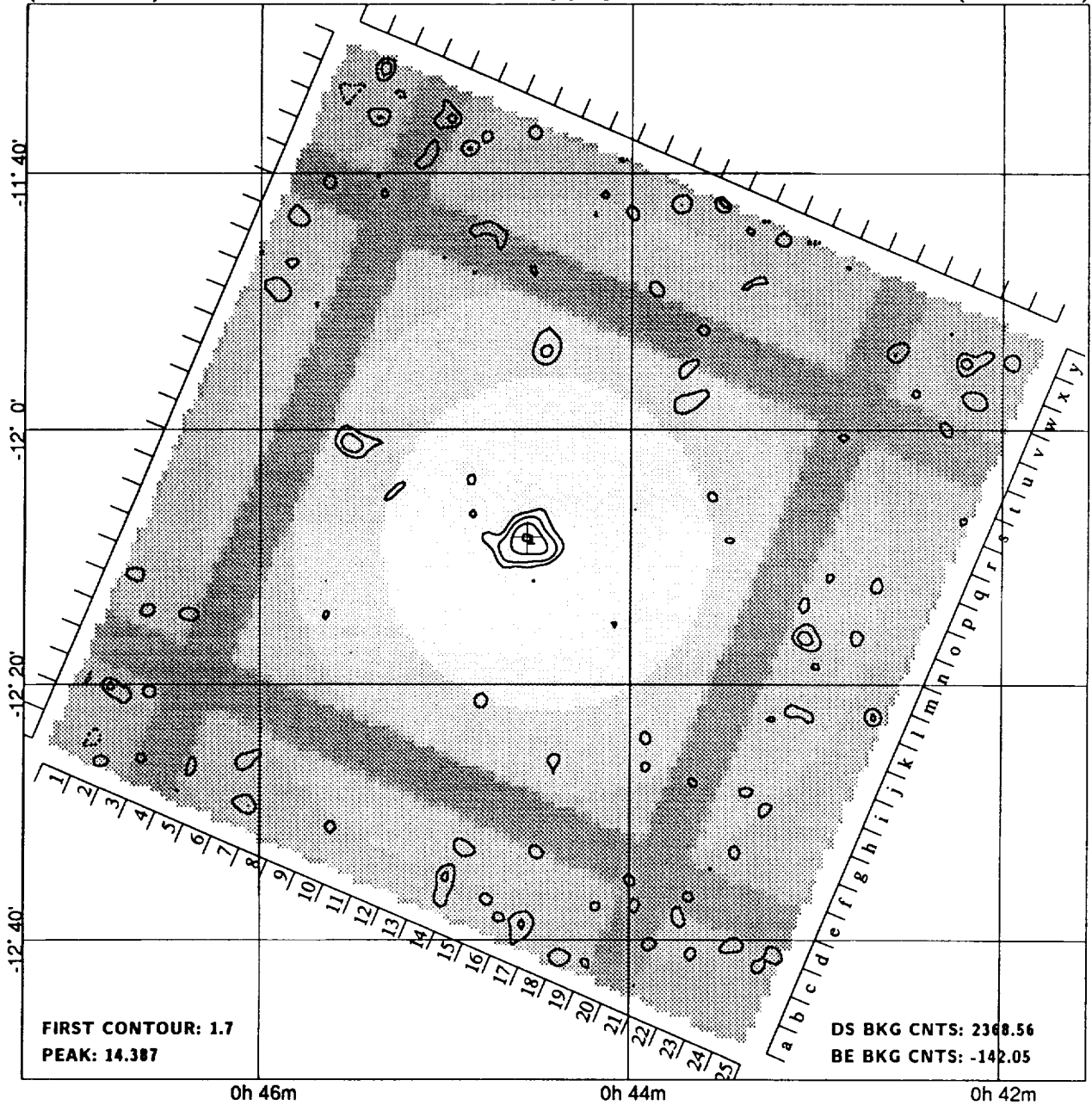
NH: $3.4E+20$
 REF/ID: !
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
173	1L	00 43 46.3	20 20 38	41	0.0174	0.0039	51.1	38.9	4.3	1.6	0	8.5		CLG

(0h 44m)

I 3023

(0h 44m)



FIRST CONTOUR: 1.7
PEAK: 14.387

DS BKG CNTS: 2368.56
BE BKG CNTS: -142.05

0h 46m

0h 44m

0h 42m

NGC246: PLANETARY NEBULAE WITH HOT STARS

FIELD CENTER: 00^h44^m24.0^s -12°08'49" (B1950)
00^h46^m54.9^s -11°52'27" (J2000)
l: 118.73 b: -74.71

DATE: 1979/181 - 1979/181
LIVETIME: 1919.3s
ROLL ANGLE: -67.0°

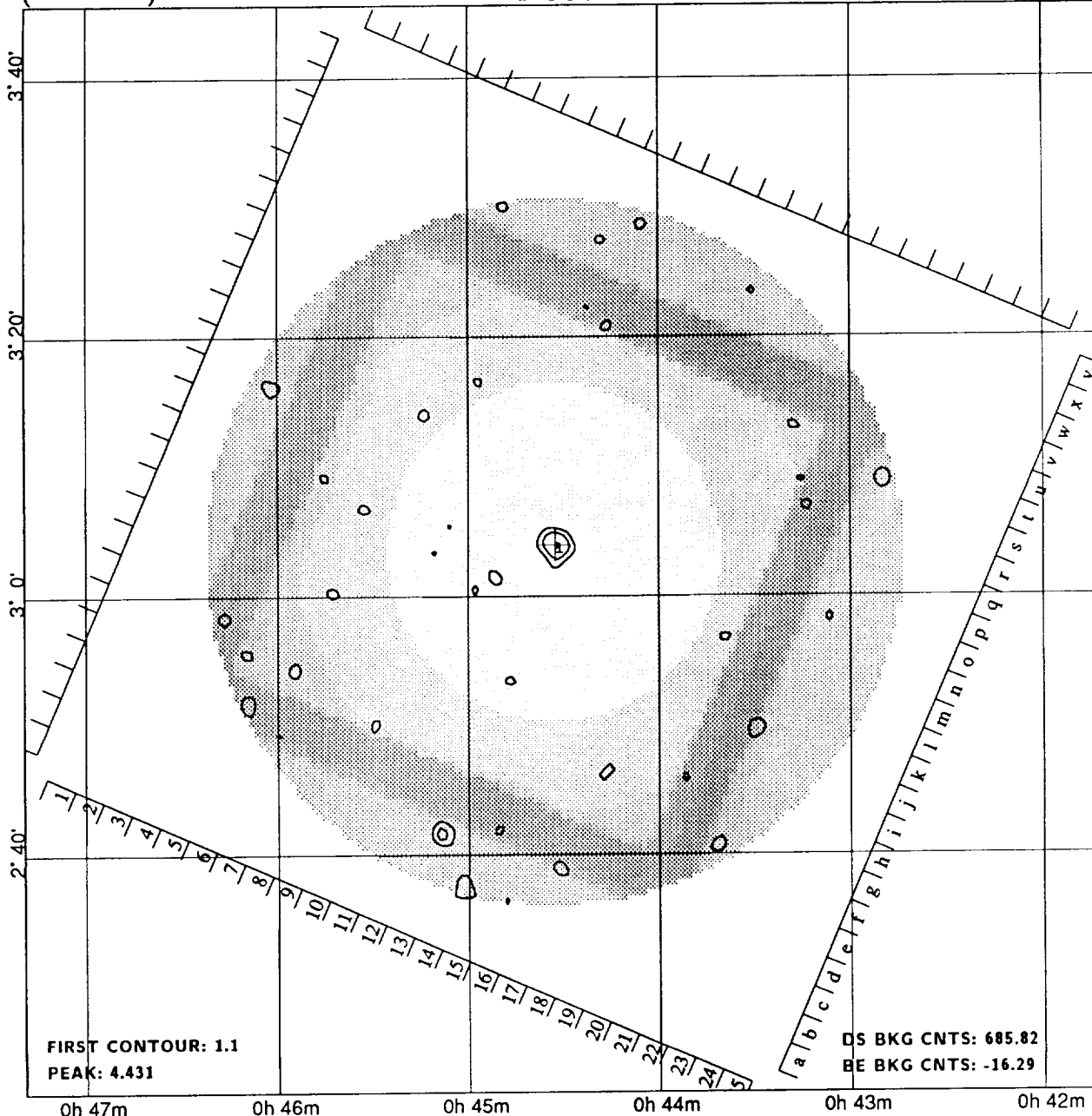
NH: 2.2E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
178	1	00 44 33.6	-12 08 24	35	0.0412	0.0056	58.5	5.5	7.3	1.4	0	2.6	H

(0h 44m)

I 5362

(0h 44m)



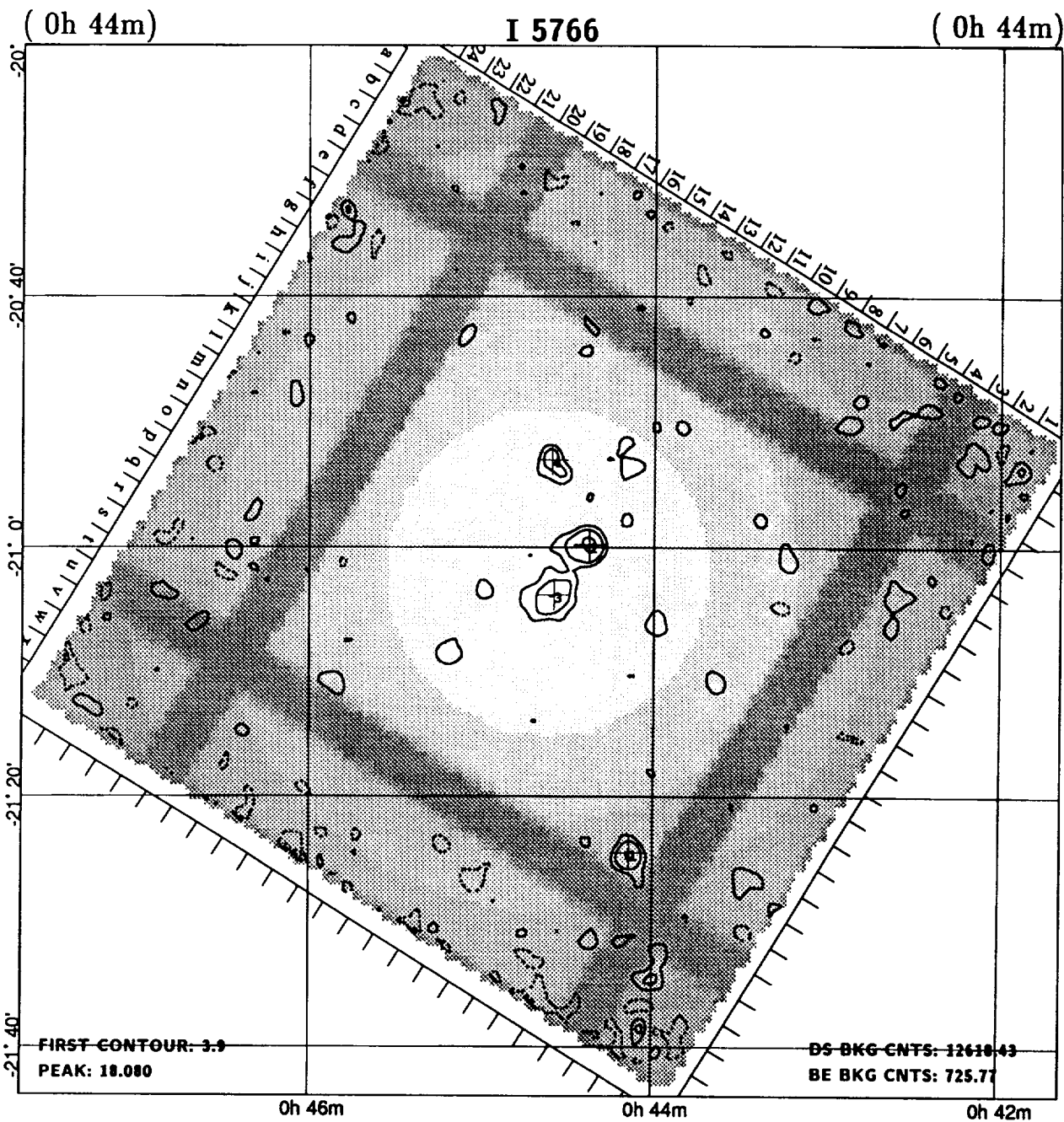
SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: 00^h44^m31.2^s 03°03'34" (B1950)
 00^h47^m05.7^s 03°19'57" (J2000)
 l : 120.79 b : -59.52

DATE: 1980/171 - 1980/171
 LIVETIME: 555.7s
 ROLL ANGLE: -66.7°

NH: 3.0E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
177	1	00 44 32.5	03 03 52	40	0.040	0.010	16.5	1.5	3.9	0.8	0	0.8	H Q



NORMAL GALAXIES: N247

FIELD CENTER: 00^h44^m39.0^s -21°01'59" (B1950)
 00^h47^m07.7^s -20°45'37" (J2000)
 l : 113.92 b : -83.56

DATE: 1979/342 - 1979/342
 LIVETIME: 10225.0s
 ROLL ANGLE: 121.6°

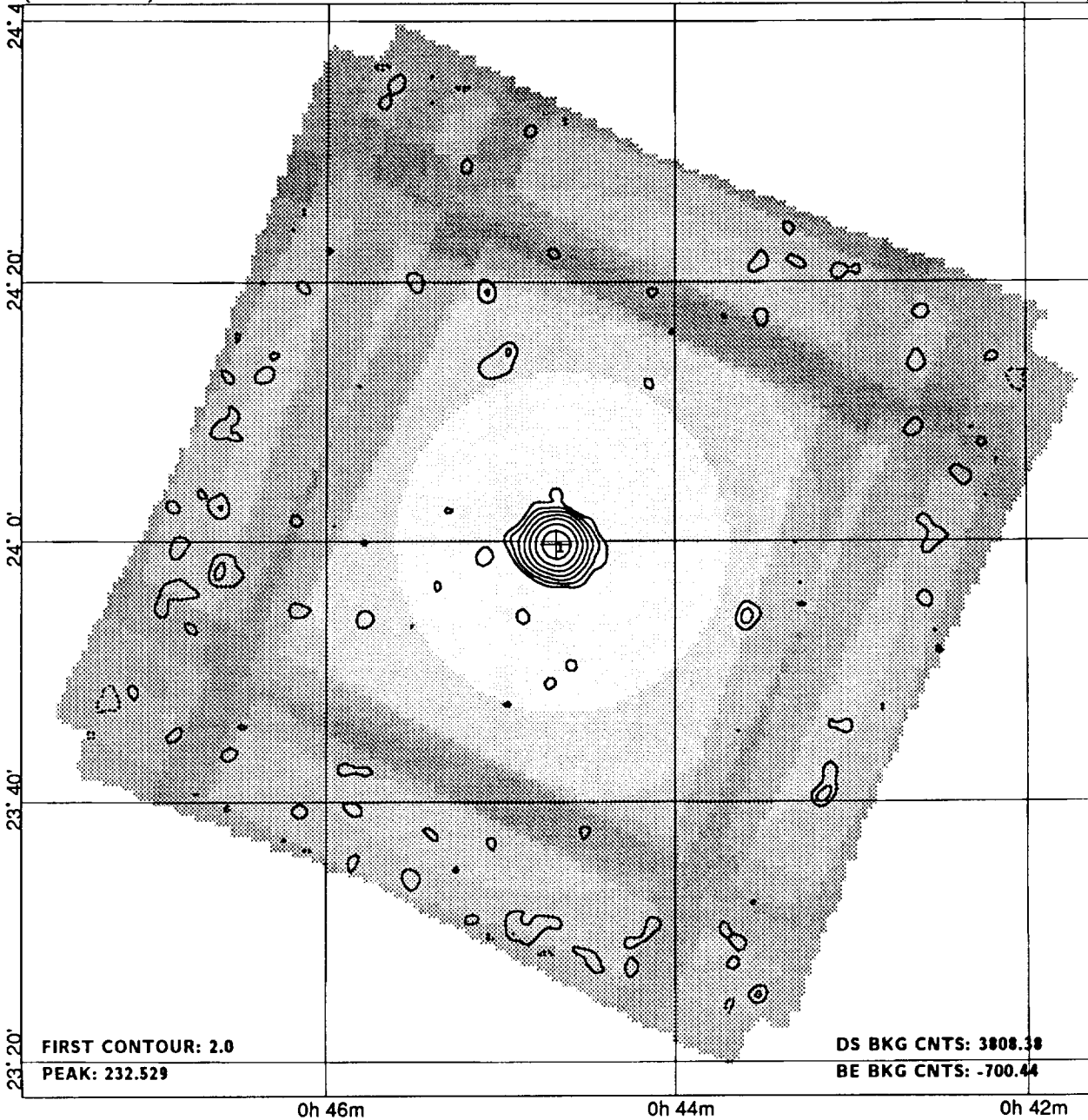
NH: 1.5E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
174	1	00 44 08.2	-21 24 34	51	0.0083	0.0017	38.4	20.6	5.0	0.9	500	23.6	H
176	2	00 44 22.6	-20 59 47	34	0.0099	0.0014	73.5	32.5	7.1	2.5	0	4.4	H Q
179	3	00 44 34.9	-21 03 43	35	0.0099	0.0014	74.9	30.1	7.3	2.5	0	2.2	H G
180	4	00 44 35.7	-20 53 00	42	0.0058	0.0012	39.9	33.1	4.7	0.8	0	9.0	

(0h 44m)

I 3534

(0h 44m)



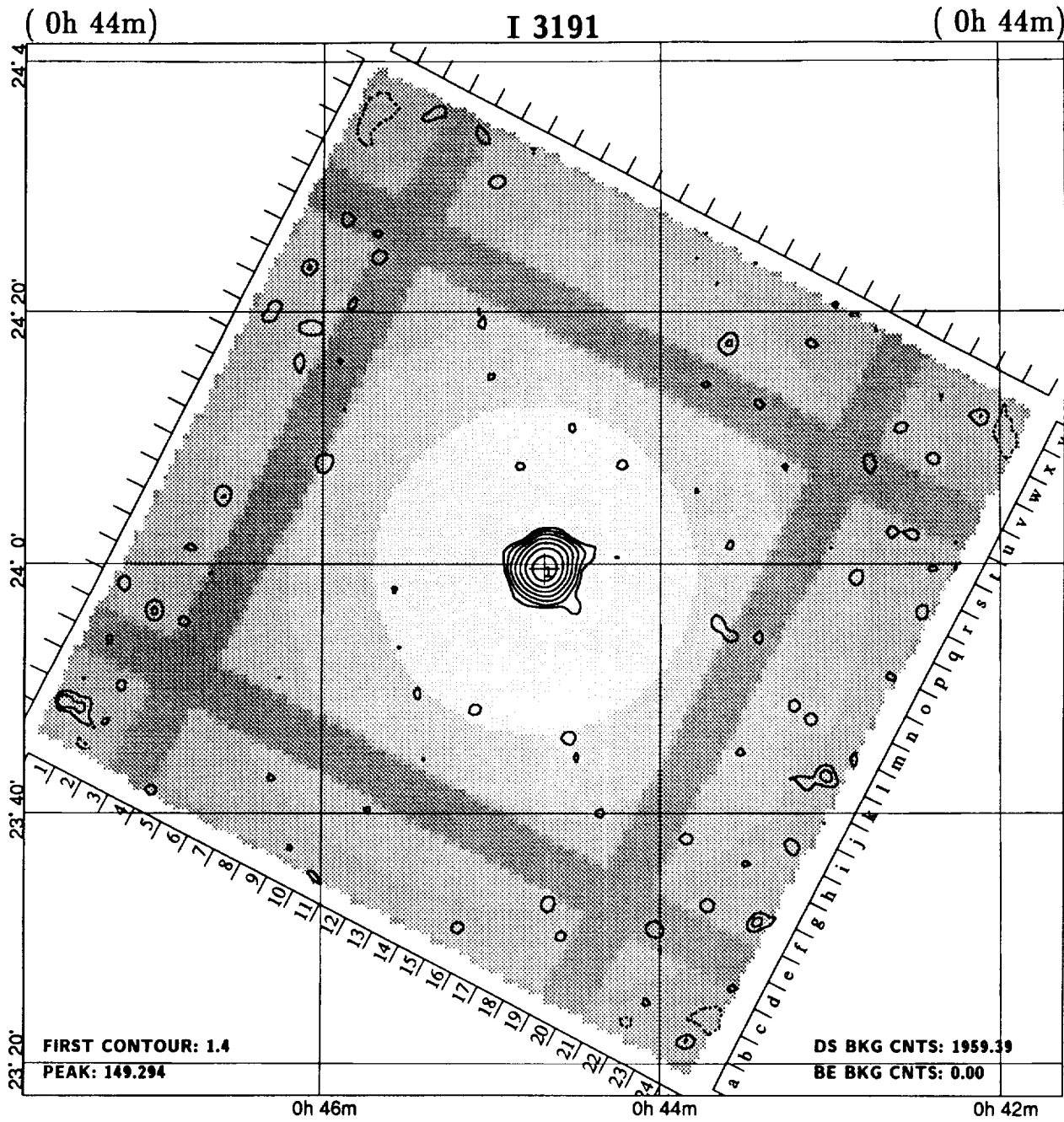
XI AND CORONAL ACTIVITY OF F, G, K STARS

FIELD CENTER: 00^h 44^m 40.8^s 23° 59' 23" (B1950)
 00^h 47^m 20.5^s 24° 15' 45" (J2000)
l: 121.74 *b*: -38.60

DATE: 1979/178 - 1980/ 9
 LIVETIME: 3086.0s

NH: 3.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
181	1	00 44 40.9	23 59 45	31	0.467 0.014	1076.7	7.3	32.7	1.3	0	0.4	AH	CV



RS CVN SYSTEMS: ZETA AND

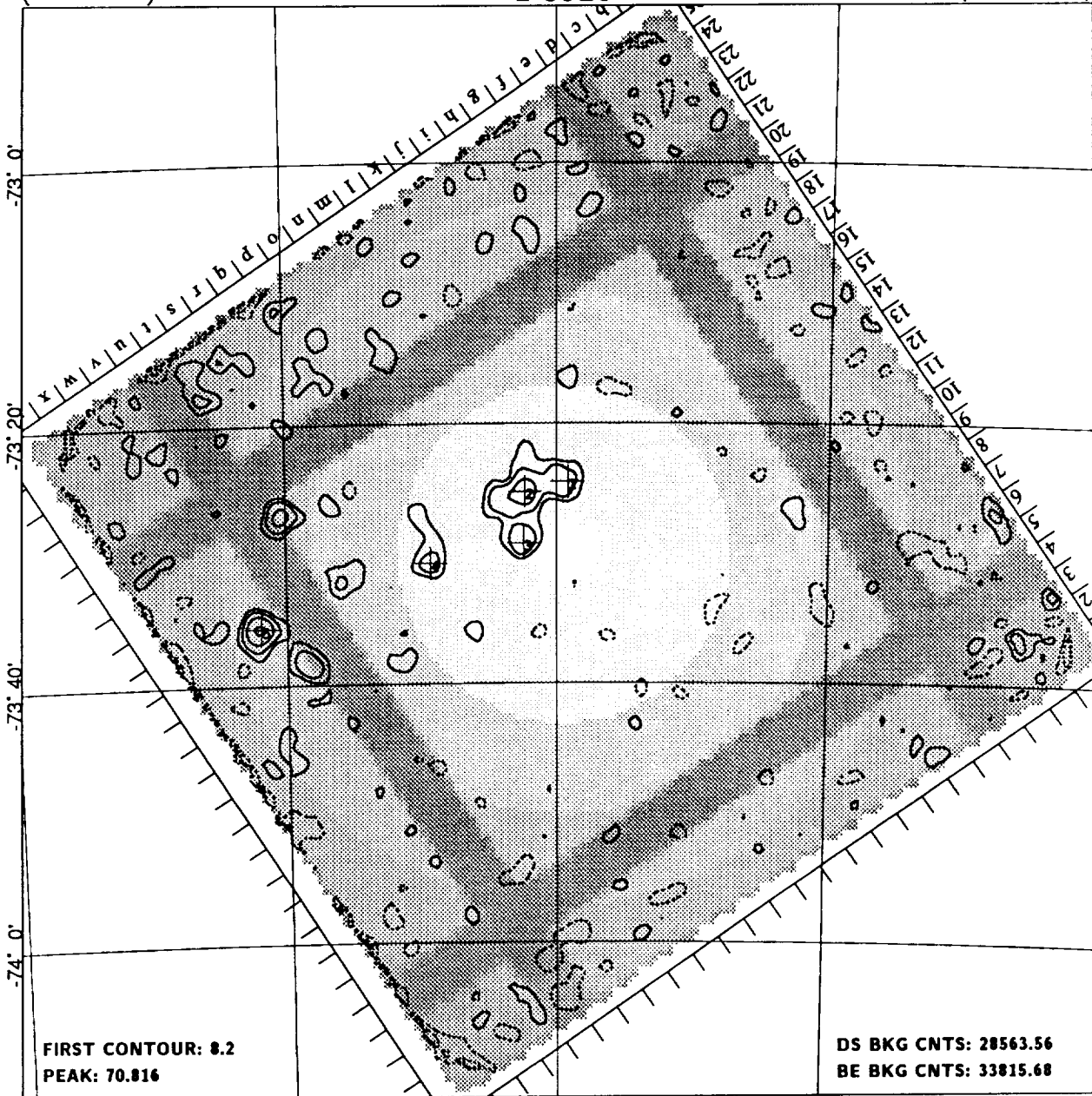
FIELD CENTER: 00^h44^m41.0^s 23°59'30" (B1950) 00^h47^m20.7^s 24°15'52" (J2000) ℓ: 121.74 b: -38.60	DATE: 1979/204 - 1979/204 LIVETIME: 1587.7s ROLL ANGLE: -62.7°	NH: 3.9E+20 REF/ID: FIELD FLAGS: L
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CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
181	1L	00 44 41.4	23 59 38	31	0.517	0.025	611.1	70.9	20.6	1.3	0	0.2	A	CV

(0h 45m)

I 3926

(0h 45m)



HOT PLASMA IN SMC, POSITION 2

FIELD CENTER: 00^h45^m00.0^s -73°29'59" (B1950)
 00^h46^m49.3^s -73°13'36" (J2000)
 l : 303.39 b : -43.90

DATE: 1979/316 - 1979/316
 LIVETIME: 23145.8s
 ROLL ANGLE: 146.0°

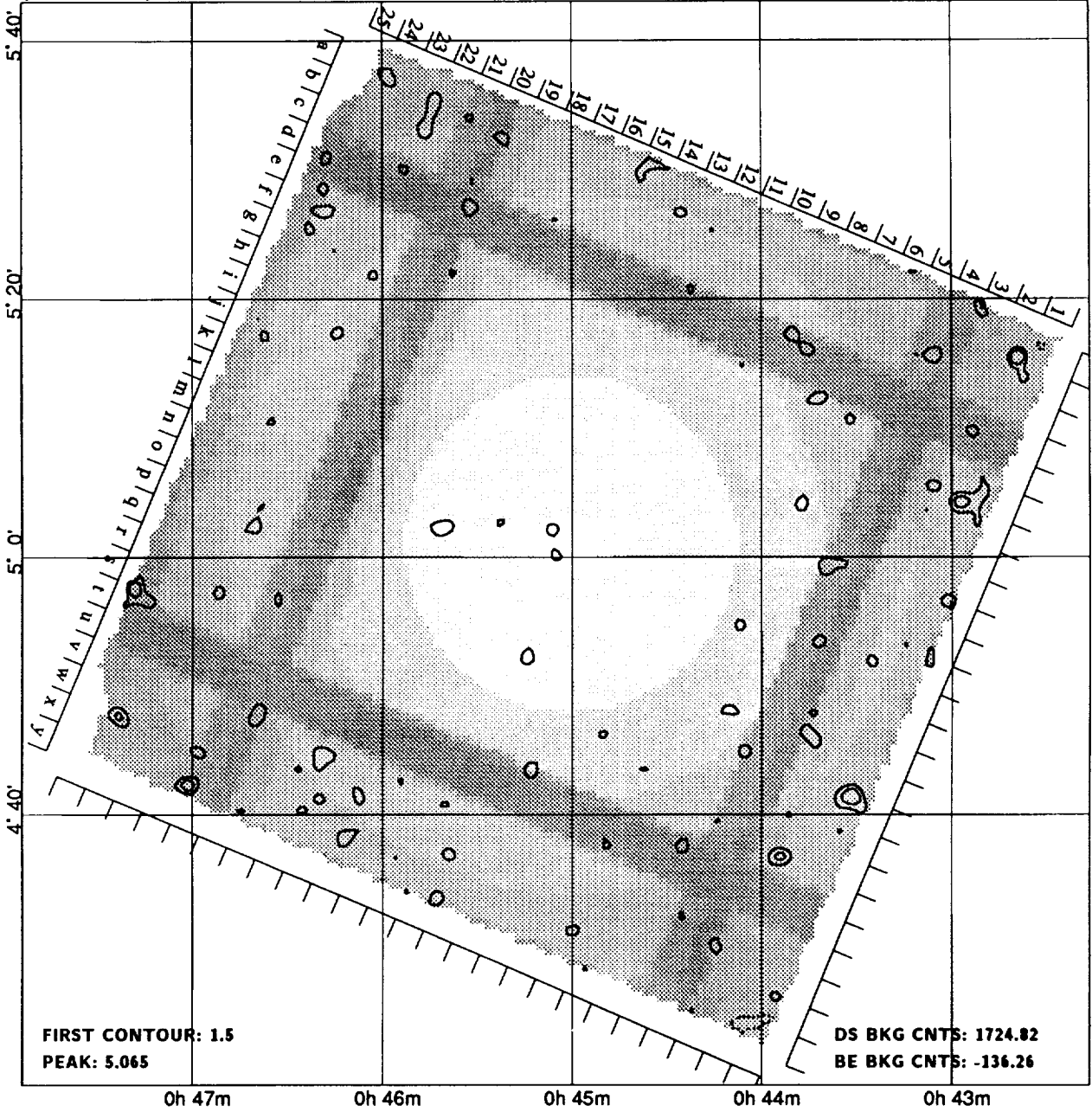
NH: 6.5E+20
 REF/ID:
 FIELD FLAGS: LS

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
182	1L	00 44 47.2	-73 24 31	41	0.0054 0.0013	89.3	194.7	4.1	4.9	0	5.5		
186	2L	00 45 35.2	-73 25 17	38	0.0098 0.0015	159.9	231.1	6.4	2.7	0	5.3		*
187	3L	00 45 36.4	-73 29 14	32	0.0049 0.0013	82.1	191.9	3.8	4.8	0	2.6	A	*
196	4L	00 47 19.9	-73 30 43	41	0.0067 0.0013	101.8	143.2	5.1	1.1	0	9.9	A	*
207	5L	00 50 28.5	-73 35 37	48	0.0155 0.0020	156.2	99.8	7.8	1.0	200	23.9		

(0h 45m)

I 5433

(0h 45m)



HD 004628

FIELD CENTER: 00^h45^m05.0^s 05°00'59" (B1950)
00^h47^m40.0^s 05°17'21" (J2000)
ℓ: 121.18 b: -57.57

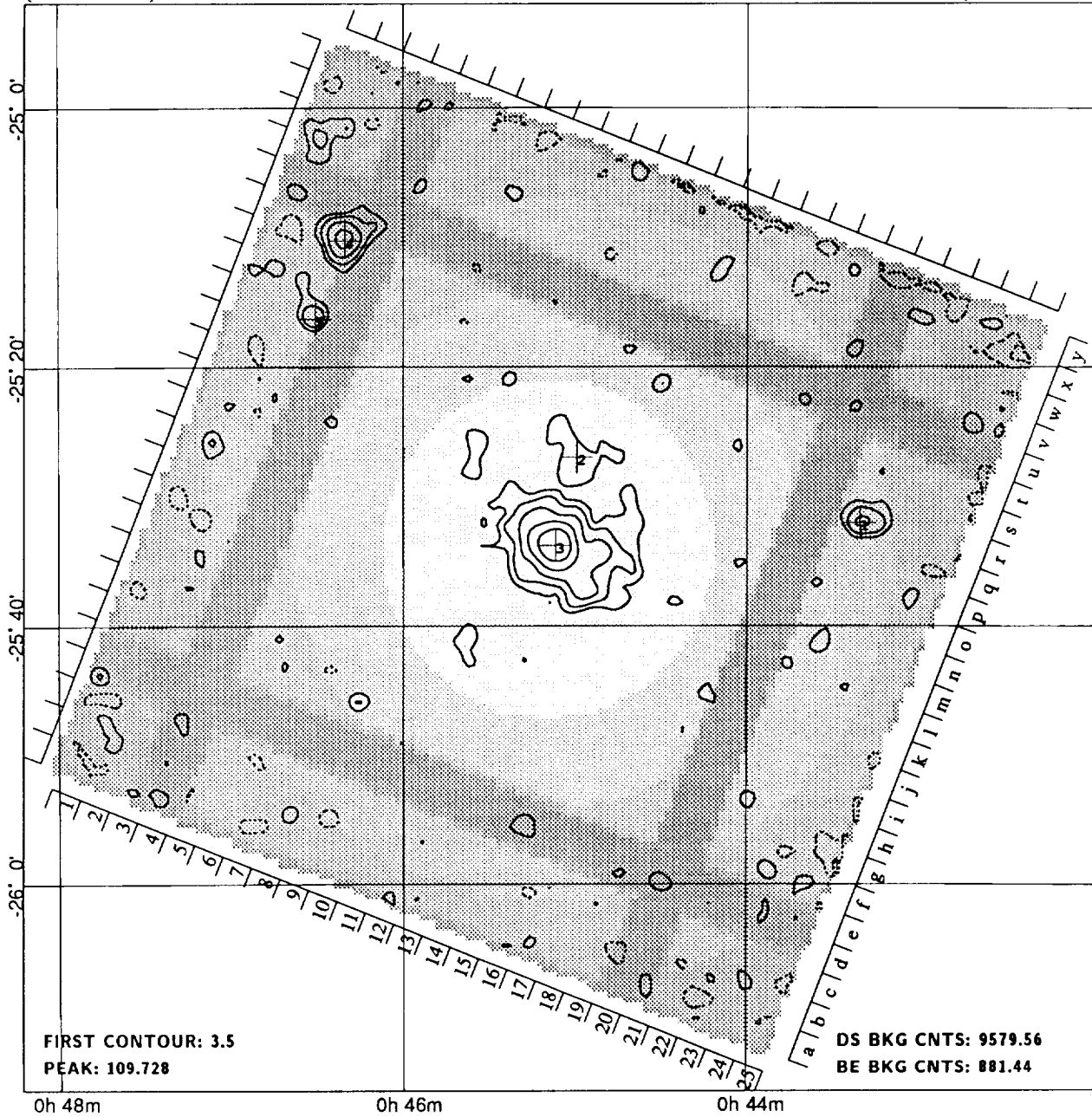
DATE: 1981/ 5 - 1981/ 5
LIVETIME: 1397.7s
ROLL ANGLE: 112.9°

NH: 3.6E+20
REF/ID:
FIELD FLAGS:

(0h 45m)

I 2082

(0h 45m)



X-RAY SURVEY OF NORMAL GALAXIES: NGC253

FIELD CENTER: 00^h45^m06.0^s -25°33'59" (B1950)
 00^h47^m33.4^s -25°17'37" (J2000)
 l : 97.33 b : -87.97

DATE: 1979/182 - 1979/182
 LIVETIME: 7762.6s
 ROLL ANGLE: -68.6°

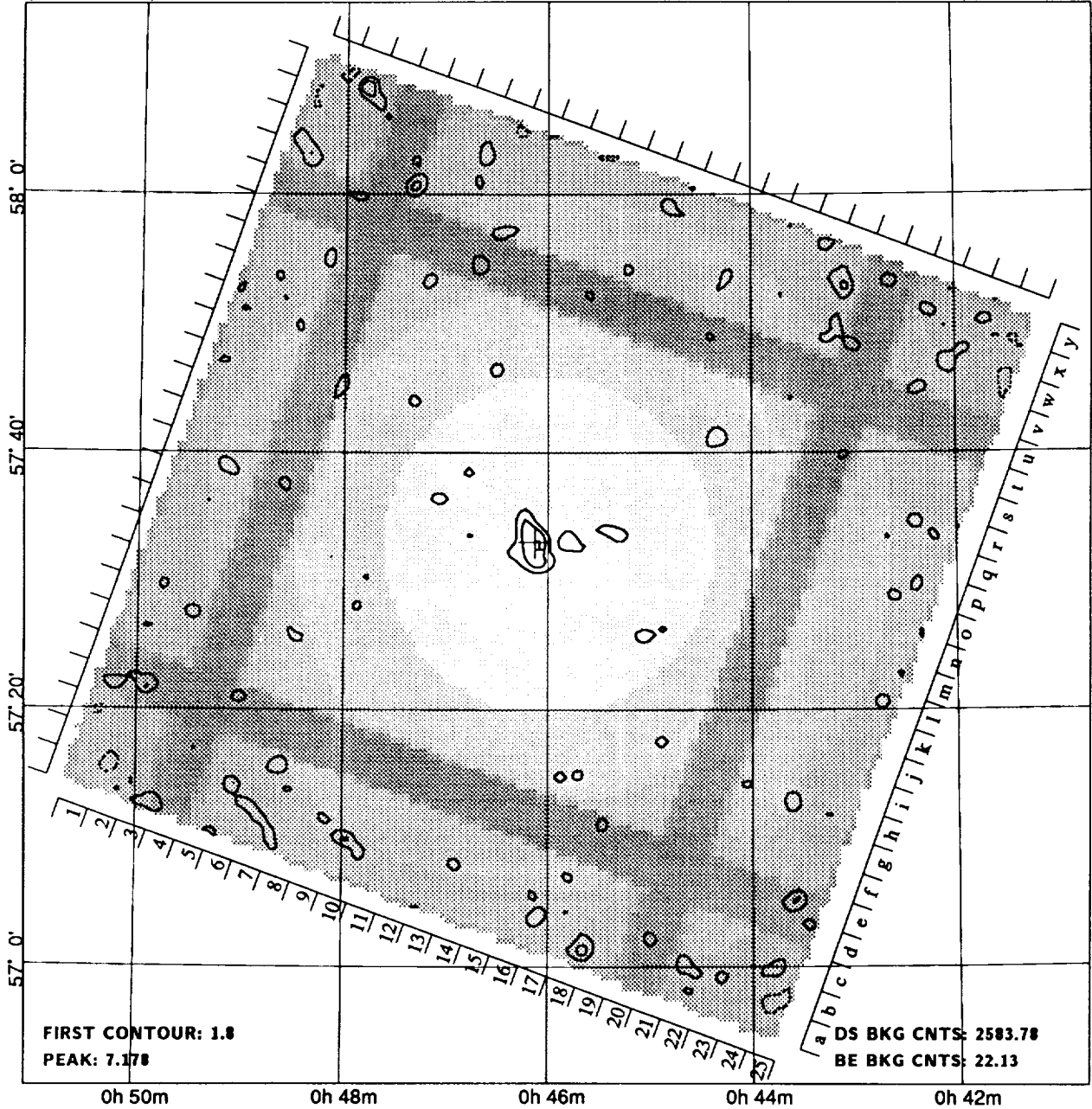
NH: 1.3E+20
 REF/ID: G
 FIELD FLAGS: D

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
170	1	00 43 20.8	-25 32 00	51	*0.0106	0.0021	36.0	16.0	5.0	1.1	401	23.4	H	
183	2	00 44 59.3	-25 26 55	43	0.0049	0.0013	26.2	24.8	3.7	1.6	0	7.1	H	
184	3	00 45 06.7	-25 33 45	31	0.0882	0.0040	510.4	25.6	22.0	2.4	0	0.4	H	G
192	4	00 46 20.3	-25 10 12	50	*0.0281	0.0034	80.6	15.4	8.2	1.2	1104	29.3	H	
195	5	00 46 30.7	-25 16 15	54	*0.0092	0.0021	30.0	18.0	4.3	0.9	804	26.0	H	

(0h 45m)

I 2246

(0h 45m)



STELLAR SURVEY-LATE TYPE STARS: HD4614=ETA CAS

FIELD CENTER: 00^h45^m54.0^s 57°32'59" (B1950)
 00^h48^m49.4^s 57°49'20" (J2000)
 l : 122.58 b : -5.05

DATE: 1979/193 - 1979/193
 LIVETIME: 2093.7s
 ROLL ANGLE: -70.2°

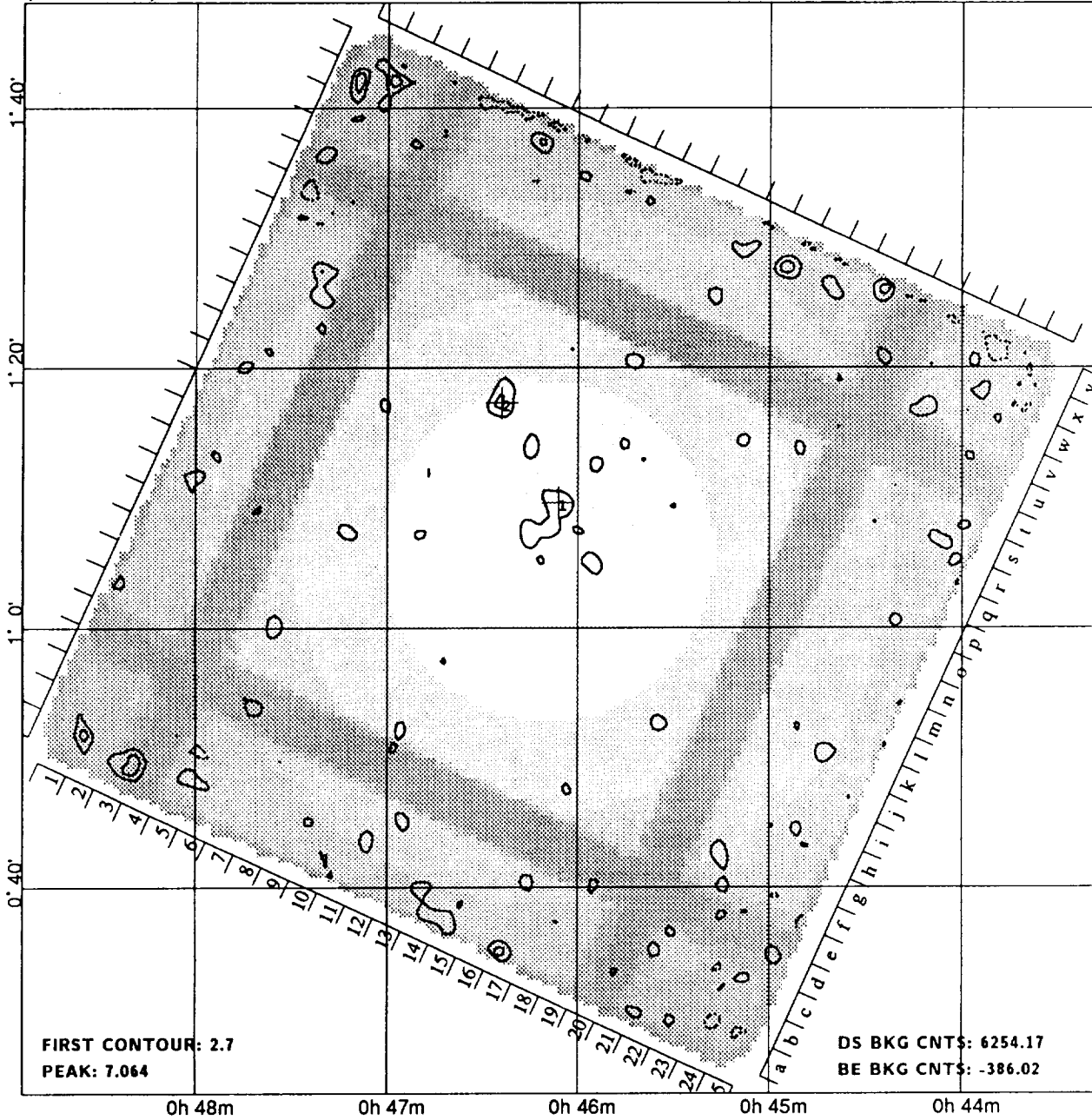
NH: 3.2E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
191	1	00 46 07.8	57 33 03	36	0.0179	0.0038	27.8	6.2	4.8	1.2	0	1.7	H	S

(0h 46m)

I 196

(0h 46m)



A102 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: 00^h46^m06.0^s 01°05'59" (B1950)
00^h48^m40.1^s 01°22'20" (J2000)
l: 121.48 b: -61.49

DATE: 1979/181 - 1980/196
LIVETIME: 5067.9s
ROLL ANGLE: -65.3°

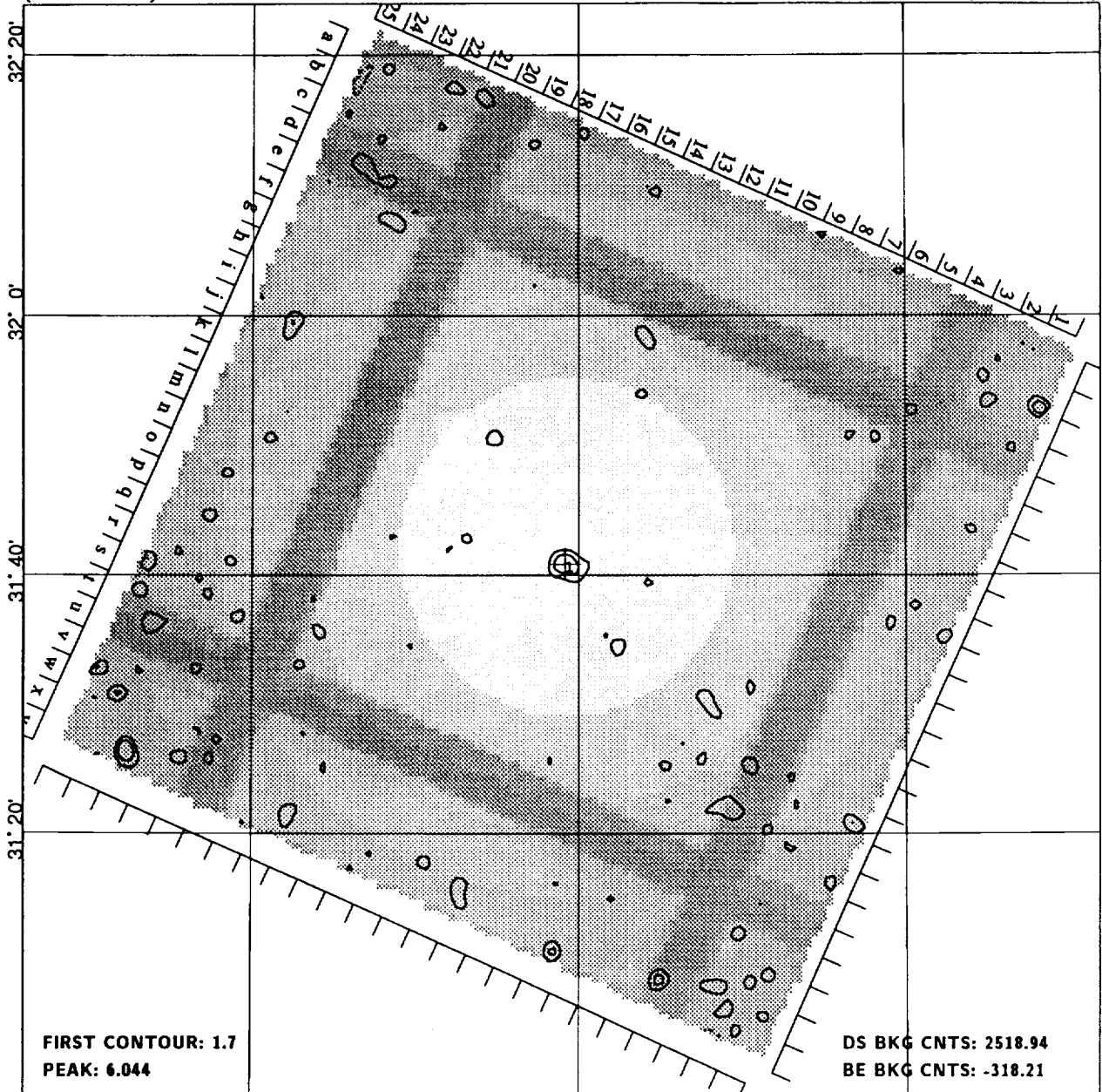
NH: 2.6E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
190	1	00 46 06.2	01 09 41	41	0.0059	0.0016	21.7	14.3	3.6	1.3	0	3.6	H
194	2	00 46 24.1	01 17 17	46	0.0062	0.0018	20.1	12.9	3.5	0.9	0	13.2	

(0h 46m)

I 2660

(0h 46m)



FIRST CONTOUR: 1.7
PEAK: 6.044

DS BKG CNTS: 2518.94
BE BKG CNTS: -318.21

0h 48m

0h 46m

0h 44m

SEYFERT GALAXY SURVEY: MKN 348

FIELD CENTER: 00^h46^m06.0^s 31°41'59" (B1950)
00^h48^m48.3^s 31°58'20" (J2000)
 l : 122.28 b : -30.90

DATE: 1980/ 11 - 1980/ 11
LIVETIME: 2041.2s
ROLL ANGLE: 114.0°

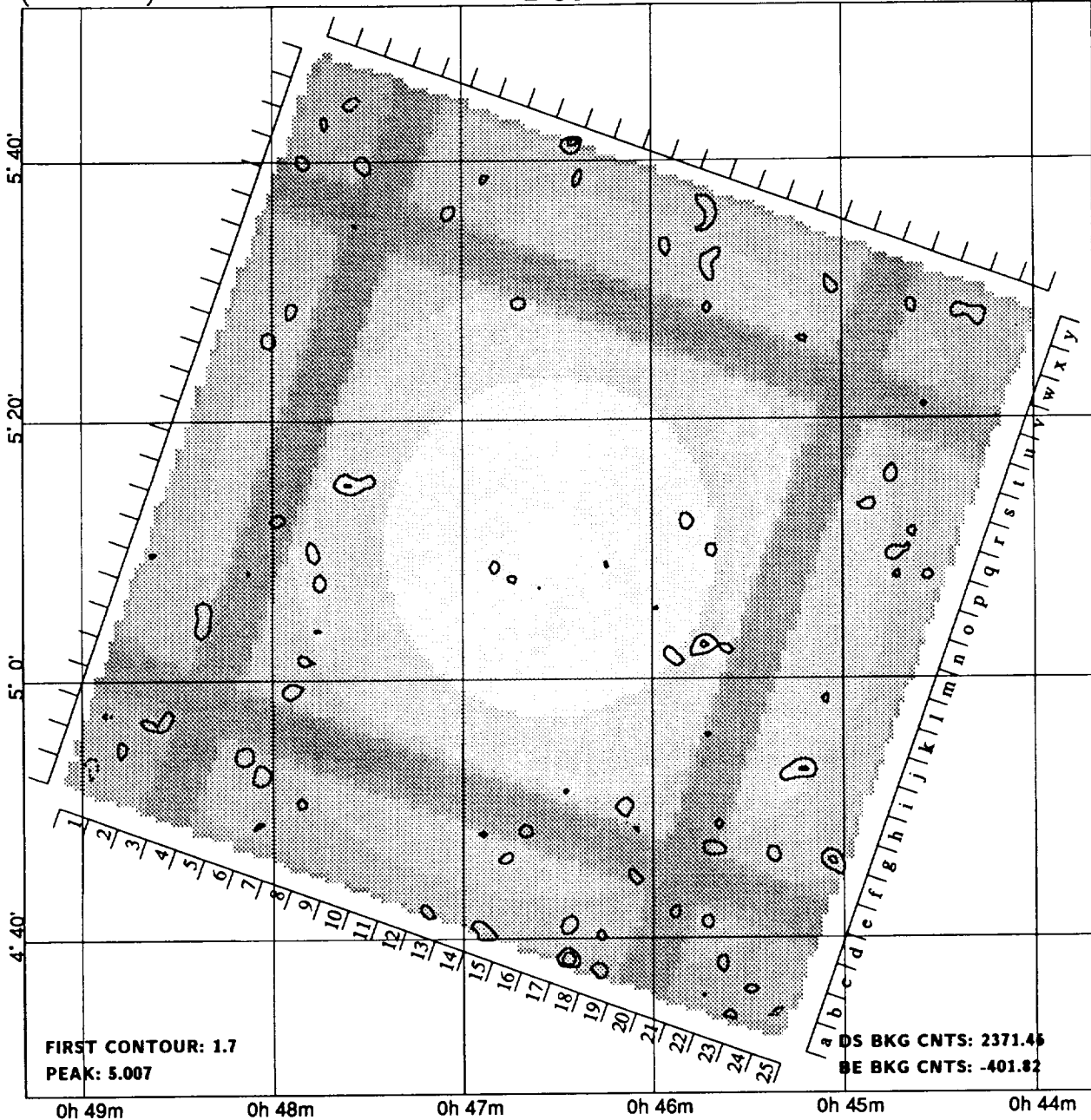
NH: 5.8E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
189	1	00 46 05.1	31 40 51	37	0.0152	0.0035	23.1	4.9	4.4	0.8	0	1.3	H	SY

(0h 46m)

I 861

(0h 46m)

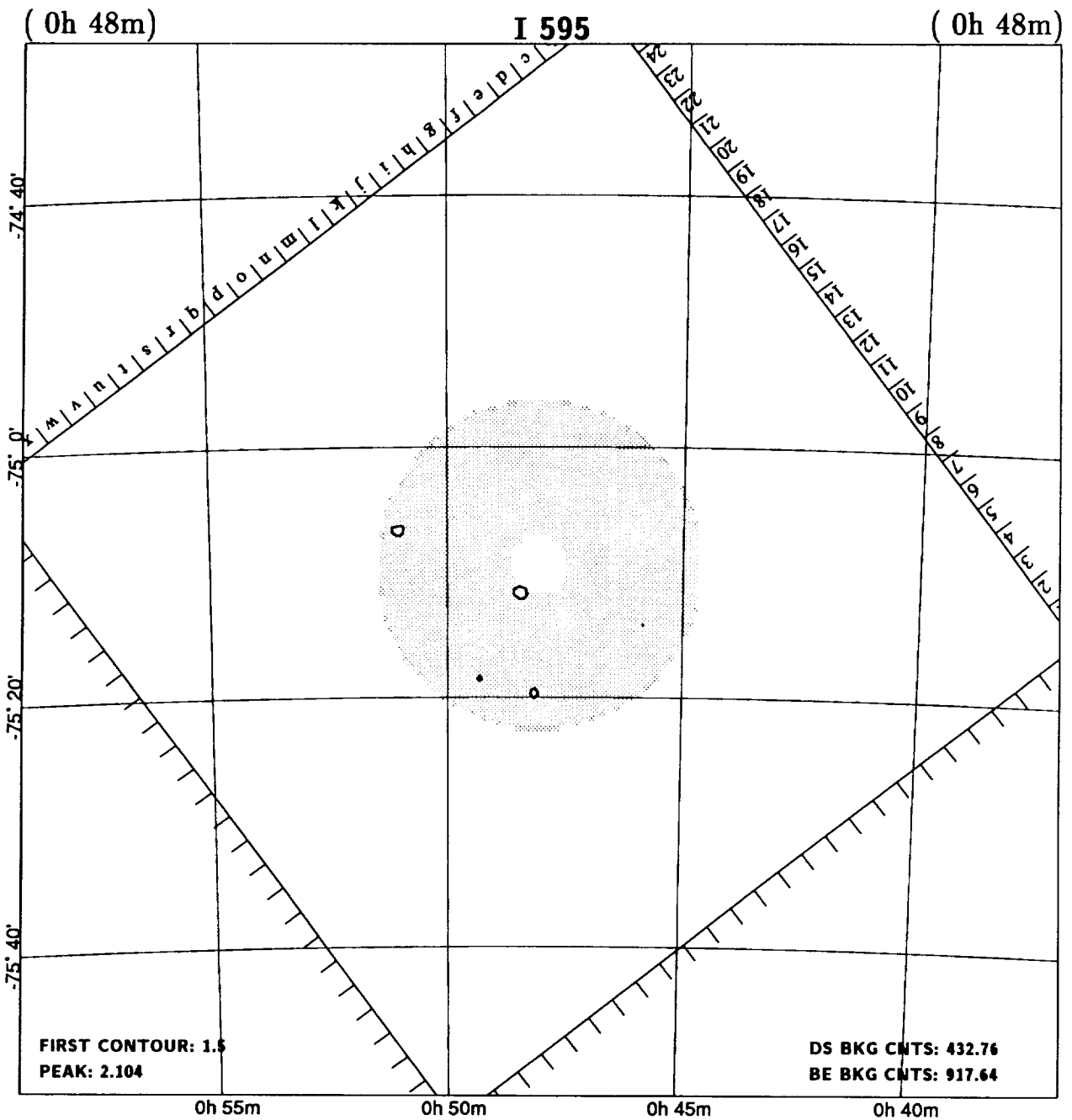


EG 005 (W28) STELLAR OBSERVATIONS, WHITE DWARFS

FIELD CENTER: $00^{\text{h}}46^{\text{m}}30.0^{\text{s}} 05^{\circ}09'59''$ (B1950)
 $00^{\text{h}}49^{\text{m}}05.0^{\text{s}} 05^{\circ}26'20''$ (J2000)
 $l: 121.84 \quad b: -57.43$

DATE: 1979/178 - 1979/178
 LIVETIME: 1921.7s
 ROLL ANGLE: -70.4°

NH: $3.7\text{E}+20$
 REF/ID:
 FIELD FLAGS:



FIELD CENTER: 00^h48^m00.0^s -75°09'56'' (B1950)
00^h49^m40.9^s -74°53'36'' (J2000)
 l : 303.09 b : -42.23

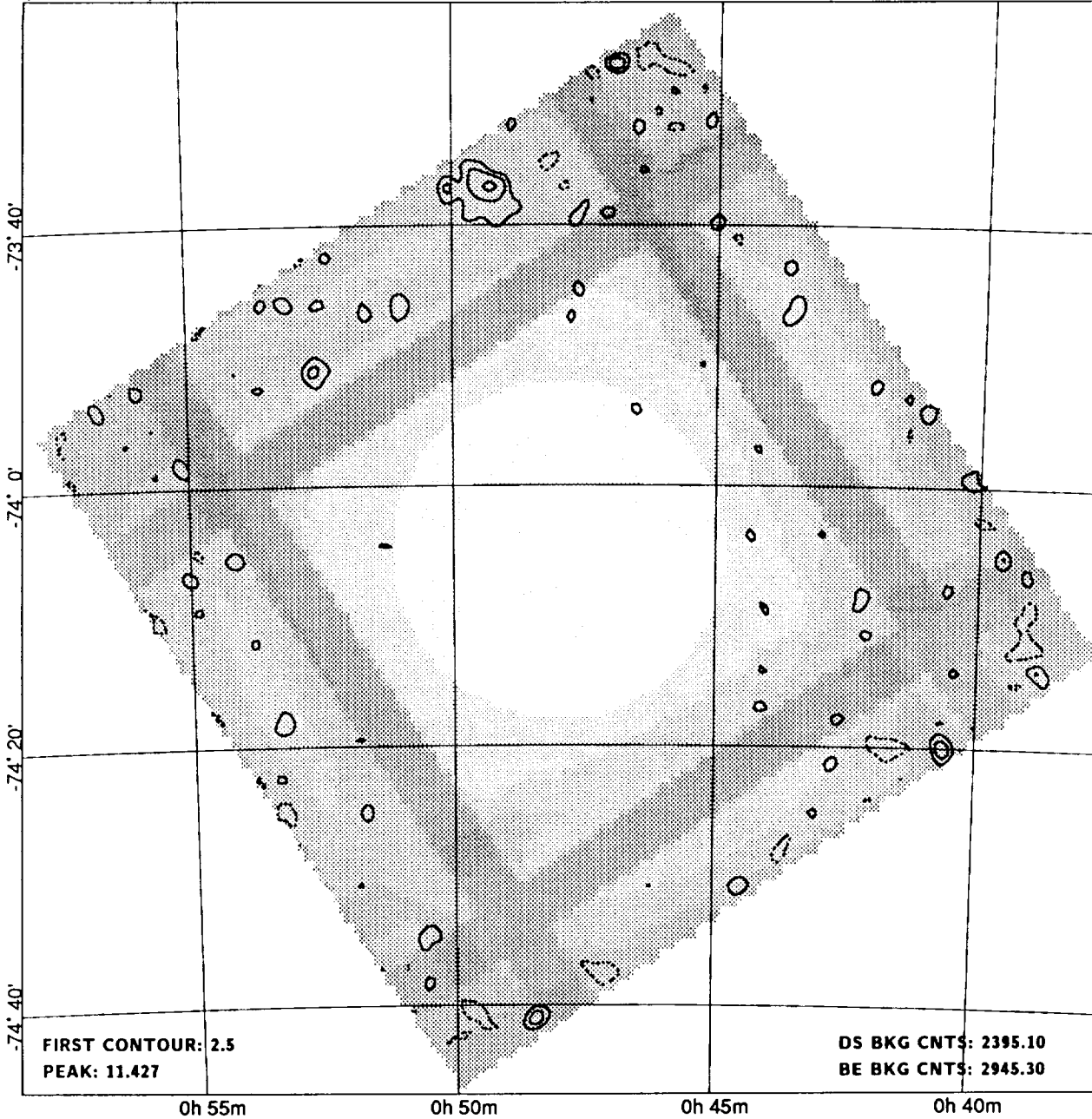
DATE: 1979/317 - 1979/317
LIVETIME: 350.7s
ROLL ANGLE: 142.8°

NH: 4.2E+20
REF/ID:
FIELD FLAGS: L

(0h 48m)

I 594

(0h 48m)



FIRST CONTOUR: 2.5
PEAK: 11.427

DS BKG CNTS: 2395.10
BE BKG CNTS: 2945.30

0h 55m

0h 50m

0h 45m

0h 40m

SMC SURVEY

FIELD CENTER: 00^h48^m00.0^s -74°04'58" (B1950)
00^h49^m44.6^s -73°48'38" (J2000)
l: 303.09 b: -43.32

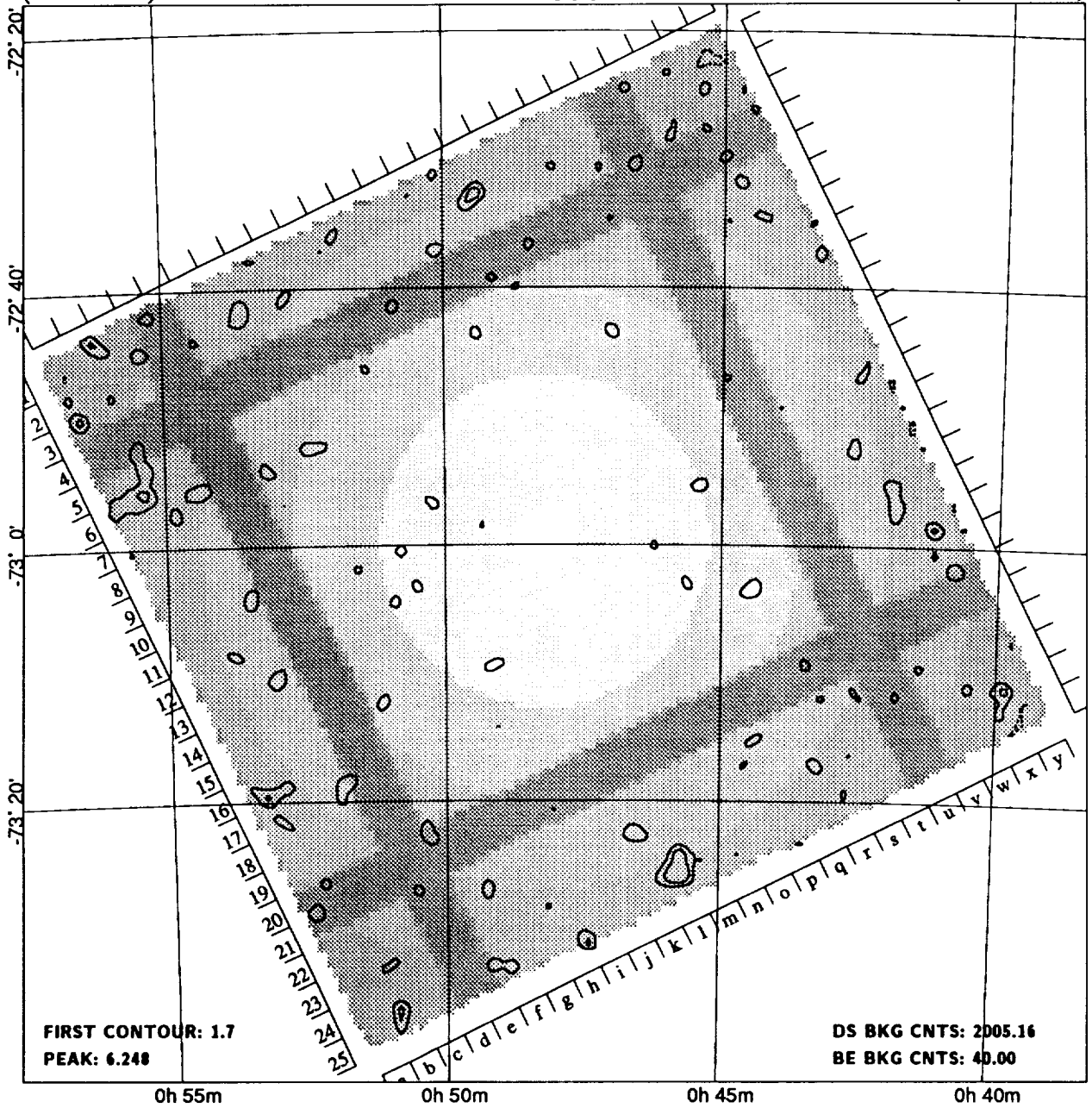
DATE: 1979/121 - 1979/316
LIVETIME: 1940.8s

NH: 6.3E+20
REF/ID: !
FIELD FLAGS: L

(0h 48m)

I 593

(0h 48m)



SMC SURVEY

FIELD CENTER: 00^h48^m00.0^s -72°59'59" (B1950)
00^h49^m47.9^s -72°43'39" (J2000)
ℓ: 303.10 b: -44.40

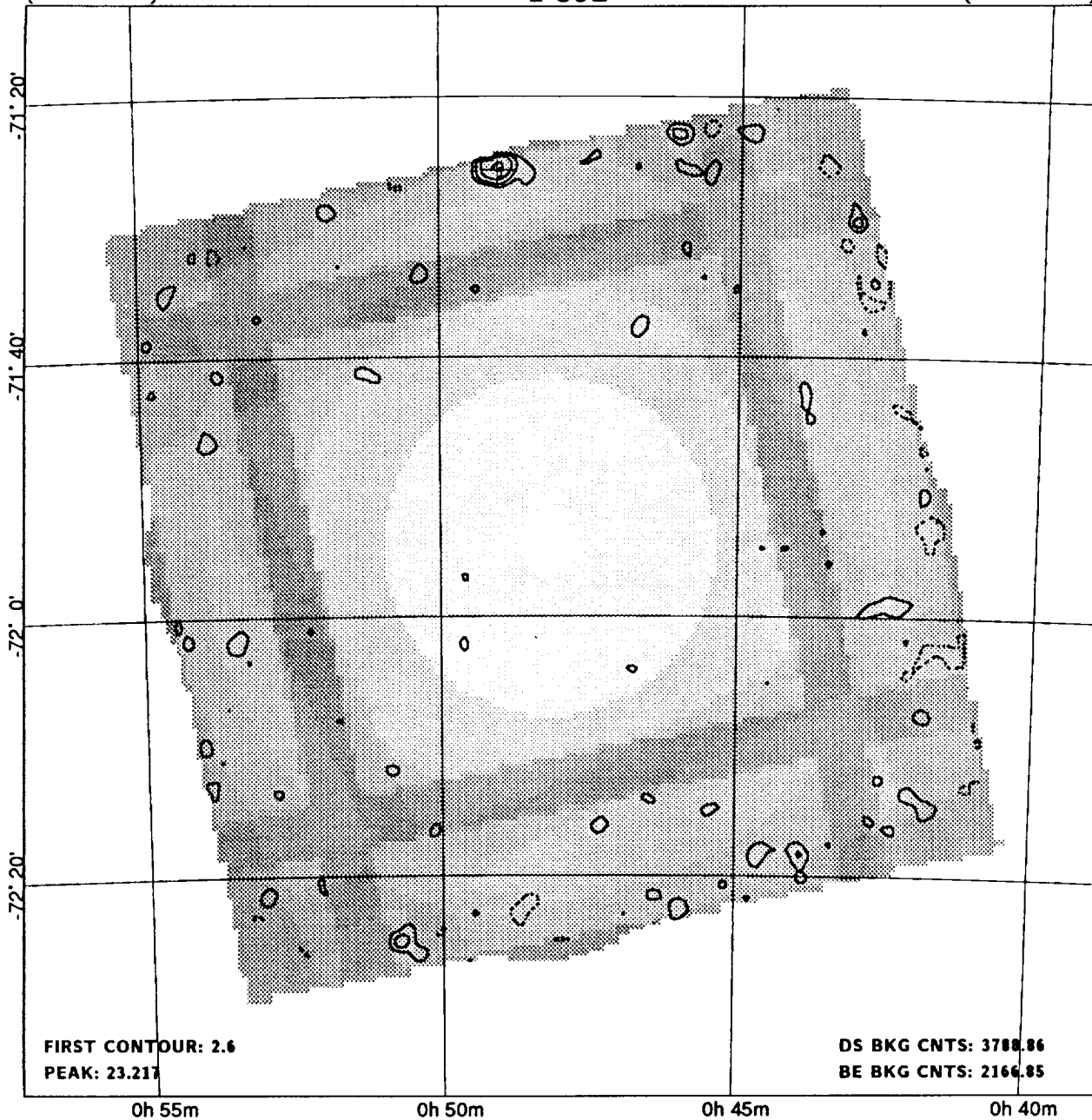
DATE: 1979/122 - 1979/122
LIVETIME: 1624.8s
ROLL ANGLE: -25.9°

NH: 6.0E+20
REF/ID:
FIELD FLAGS:

(0h 48m)

I 592

(0h 48m)



SMC SURVEY

FIELD CENTER: $00^h 48^m 00.0^s$ $-71^\circ 55' 00''$ (B1950)
 $00^h 49^m 50.8^s$ $-71^\circ 38' 40''$ (J2000)
 $l: 303.11$ $b: -45.48$

DATE: 1979/120 - 1980/105
 LIVETIME: 3070.2s

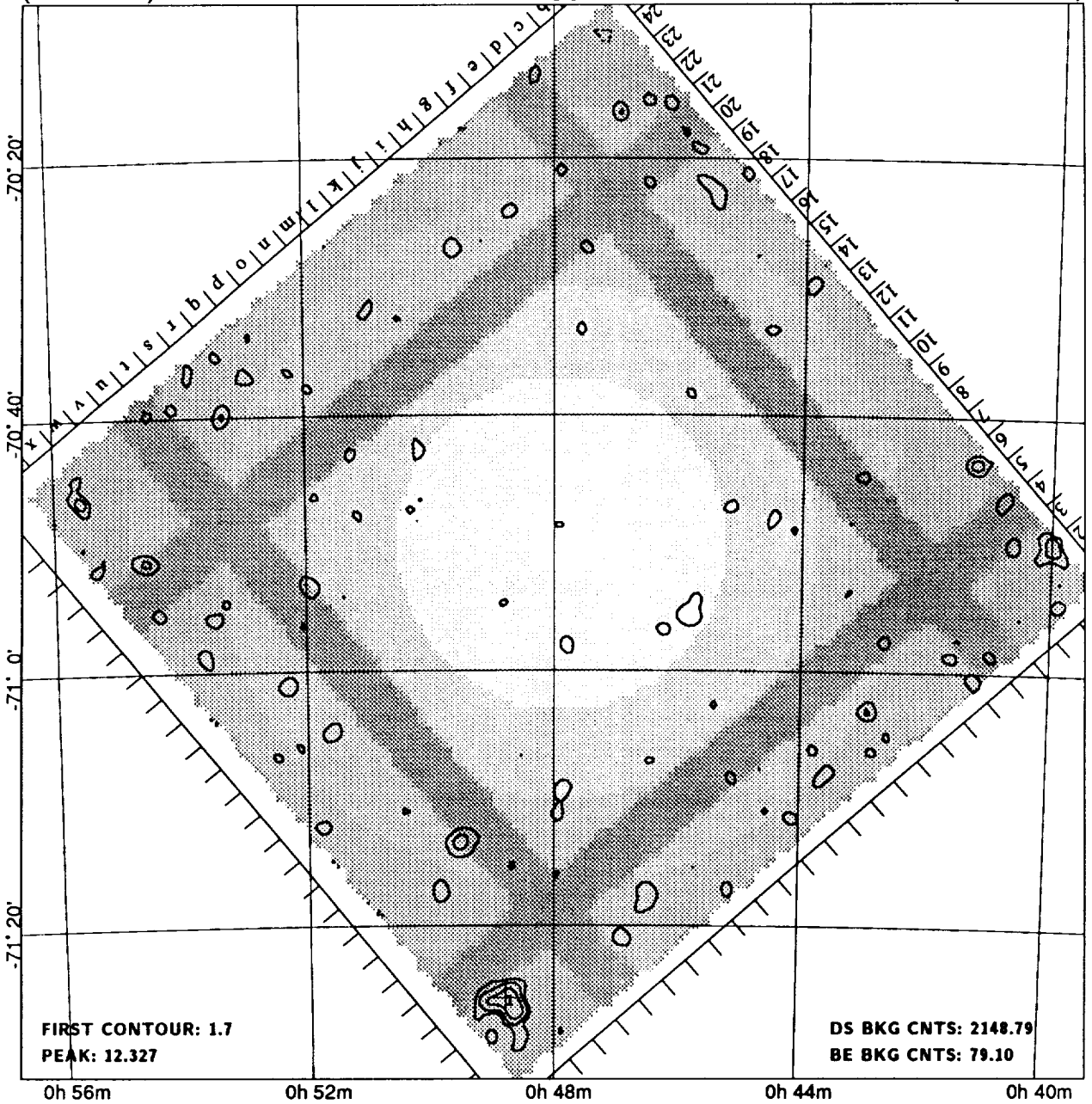
NH: 4.3E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
199	1	00 49 01.9	-71 25 38	50	*0.0432	0.0069	45.3	6.7	6.3	1.0	804	30.1	AH S

(0h 48m)

I 591

(0h 48m)



FIRST CONTOUR: 1.7
PEAK: 12.327

DS BKG CNTS: 2148.79
BE BKG CNTS: 79.10

SMC SURVEY

FIELD CENTER: 00^h48^m00.0^s -70°50'01" (B1950)
00^h49^m53.3^s -70°33'41" (J2000)
 l : 303.12 b : -46.57

DATE: 1979/324 - 1979/324
LIVETIME: 1741.2s
ROLL ANGLE: 139.7°

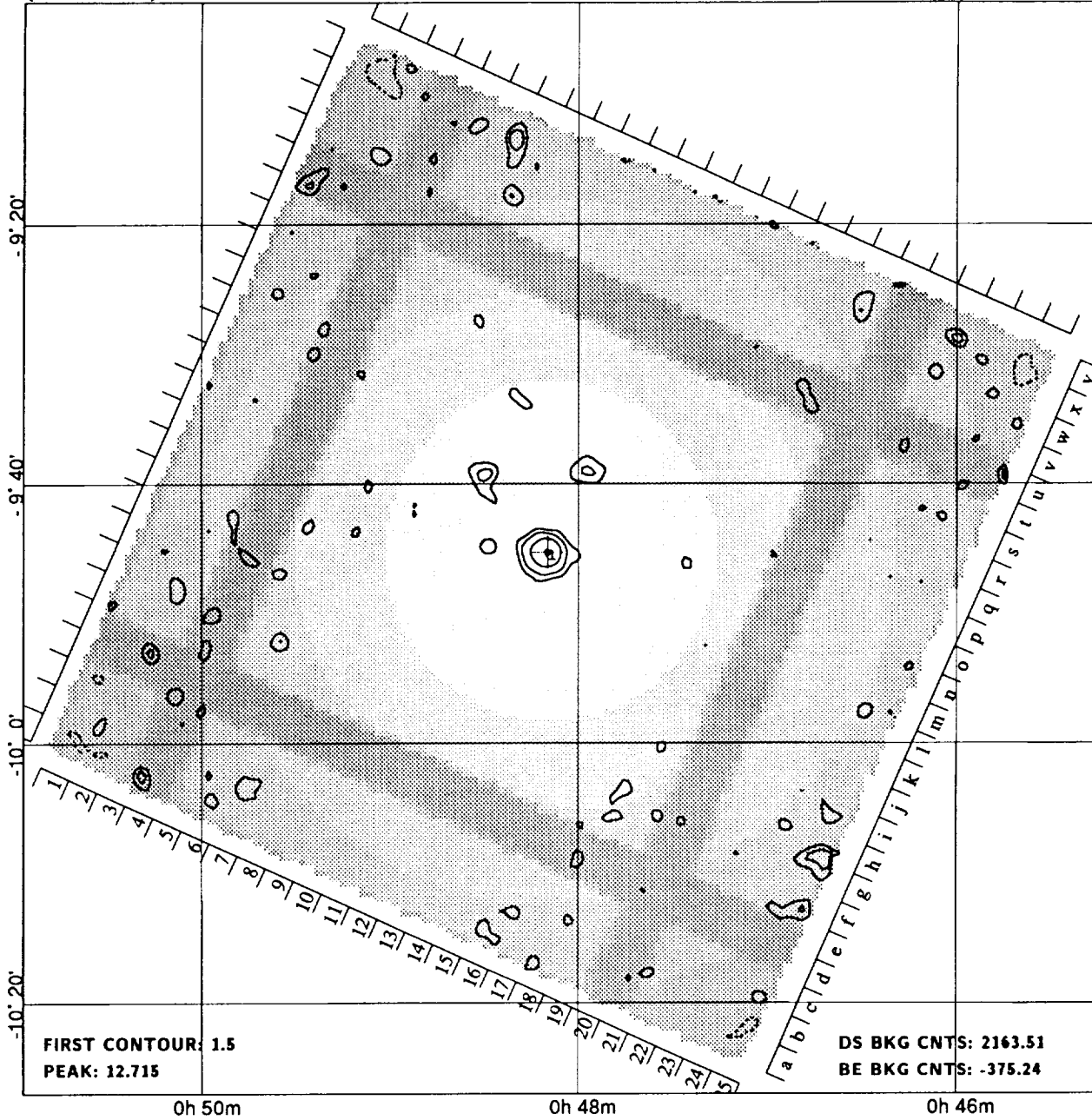
NH: 2.9E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
199	1	00 48 47.7	-71 25 40	56	*0.042	0.011	18.8	3.2	4.0	1.4	703	35.9	AH	S

(0h 48m)

I 1983

(0h 48m)



OB 081: X-RAY STUDY OF BL LAC OBJECTS

FIELD CENTER: $00^h 48^m 06.0^s$ $-09^\circ 44' 59''$ (B1950)
 $00^h 50^m 37.3^s$ $-09^\circ 28' 40''$ (J2000)
 $l: 122.27$ $b: -72.35$

DATE: 1979/178 - 1979/178
 LIVETIME: 1753.2s
 ROLL ANGLE: -66.0°

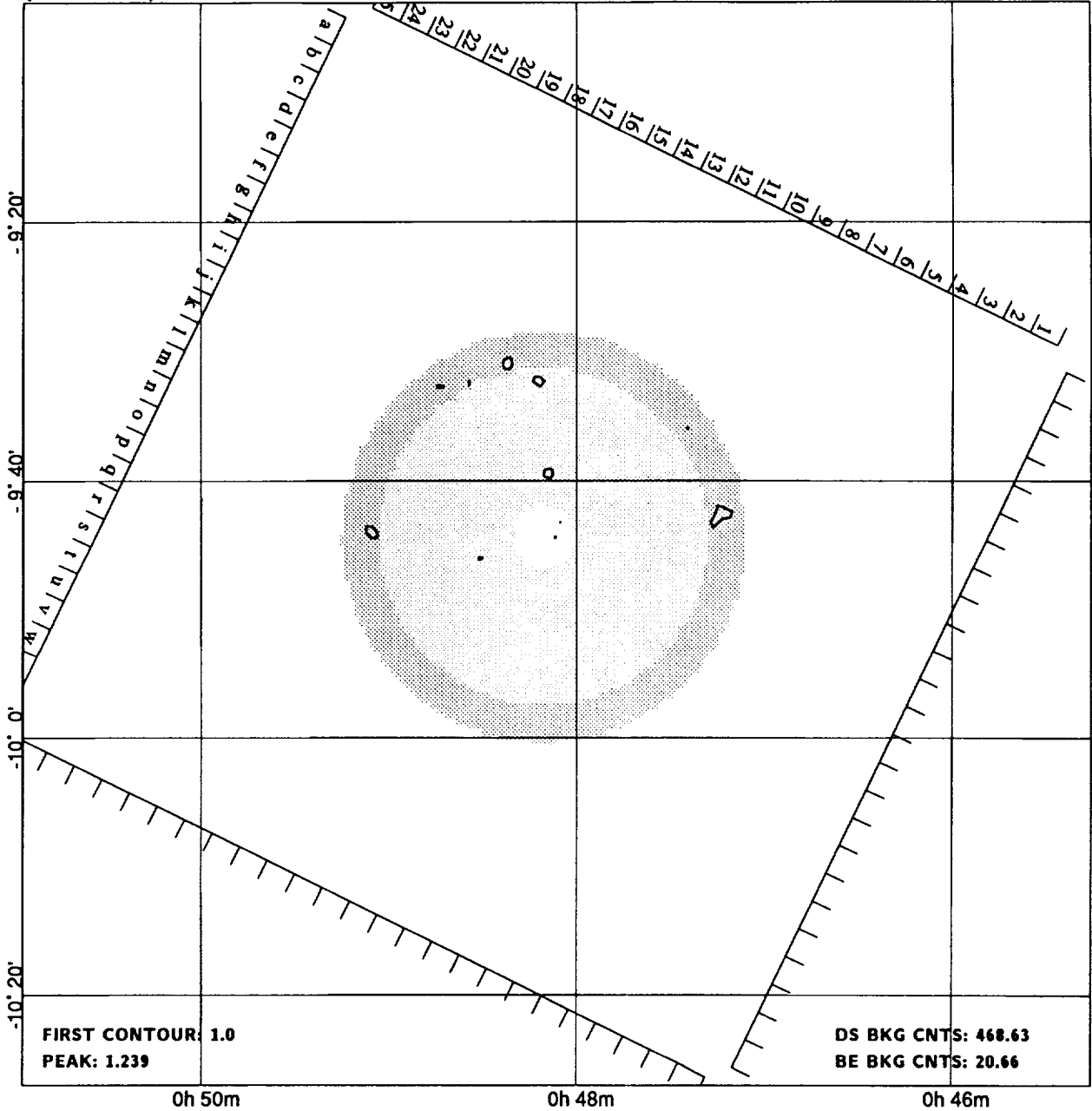
NH: $3.7E+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
197	1	00 48 09.7	-09 45 16	35	0.0405	0.0058	53.0	4.0	7.0	1.1	0	0.9	H

(0h 48m)

I 1984

(0h 48m)



OB 081: X-RAY STUDY OF BL LAC OBJECTS

FIELD CENTER: $00^h 48^m 06.0^s$ $-09^\circ 44' 59''$ (B1950)
 $00^h 50^m 37.3^s$ $-09^\circ 28' 40''$ (J2000)
 l : 122.27 b : -72.35

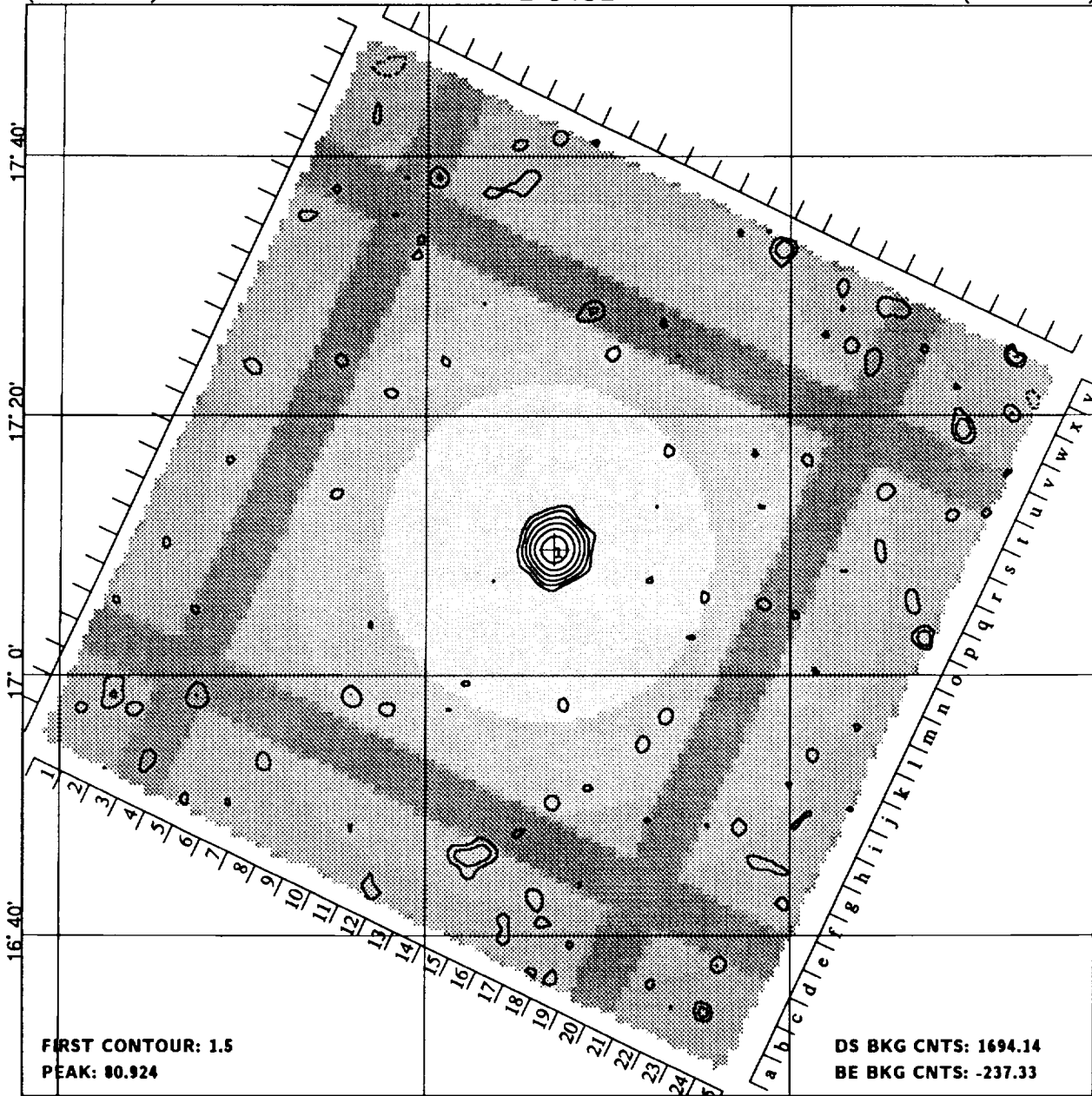
DATE: 1979/353 - 1979/353
 LIVETIME: 379.7s
 ROLL ANGLE: 116.0°

NH: $3.7E+20$
 REF/ID:
 FIELD FLAGS: C

(0h 49m)

I 8431

(0h 49m)



SURVEY OF BRIGHT (PG) QUASARS

FIELD CENTER: 00^h49^m16.6^s 17°09'36" (B1950)
 00^h51^m54.9^s 17°25'54" (J2000)
 l : 123.09 b : -45.44

DATE: 1980/204 - 1980/204
 LIVETIME: 1372.8s
 ROLL ANGLE: -64.6°

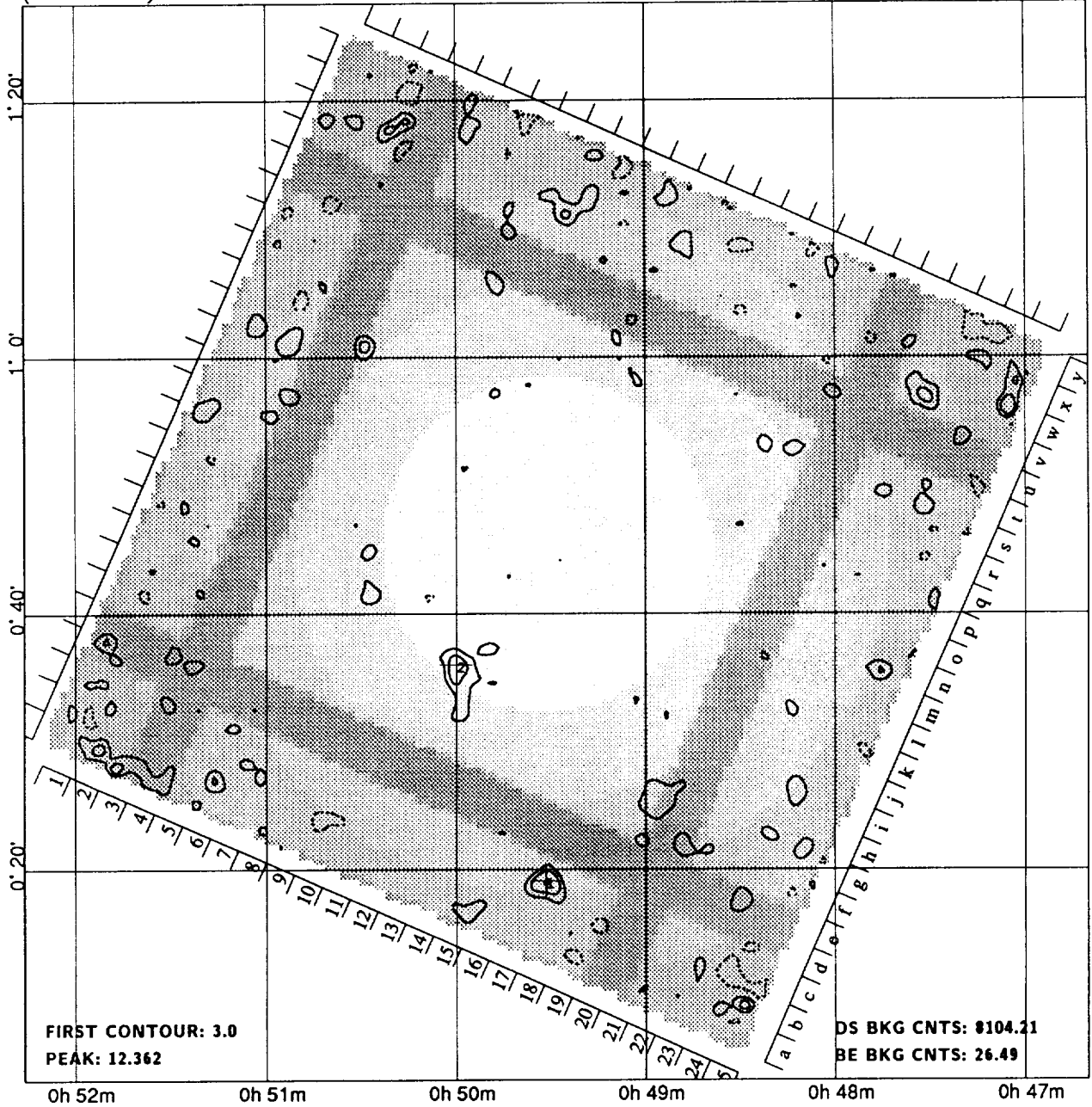
NH: 4.3E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
200	1	00 49 17.7	17 09 46	31	0.347	0.019	354.7	3.3	18.7	1.3	0	0.6	H	Q

(0h 49m)

I 8454

(0h 49m)



FIELD CENTER: 00^h49^m28.0^s 00°45'35" (B1950)
 00^h52^m02.0^s 01°01'53" (J2000)
 l : 123.25 b : -61.84

DATE: 1980/172 - 1980/172
 LIVETIME: 6567.1s
 ROLL ANGLE: -66.2°

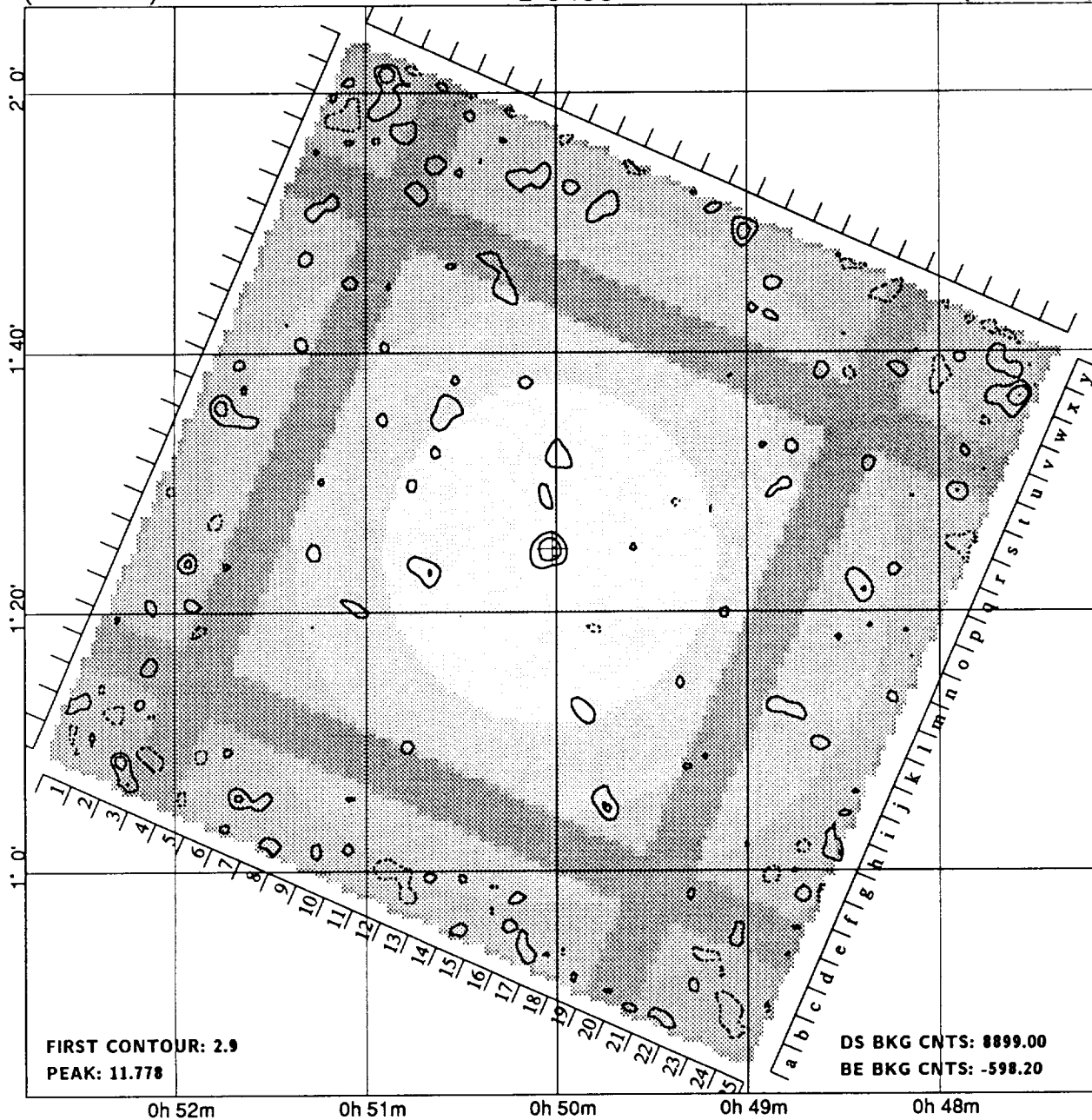
NH: 4.7E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT ± RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
201	1	00 49 31.6	00 19 07	55	0.0086 0.0022	23.1	12.9	3.9	0.8	300	26.3	H
202	2	00 50 00.0	00 35 58	42	0.0065 0.0016	27.6	18.4	4.1	1.2	0	12.5	H

(0h 49m)

I 8455

(0h 49m)



FIRST CONTOUR: 2.9
 PEAK: 11.778

DS BKG CNTS: 8899.00
 BE BKG CNTS: -598.20

OPTICALLY SELECTED QSO'S: MCS 288

FIELD CENTER: 00^h49^m59.0^s 01°24'41" (B1950)
 00^h52^m33.2^s 01°40'59" (J2000)
l: 123.51 *b*: -61.19

DATE: 1980/172 - 1980/172
 LIVETIME: 7211.1s
 ROLL ANGLE: -66.4°

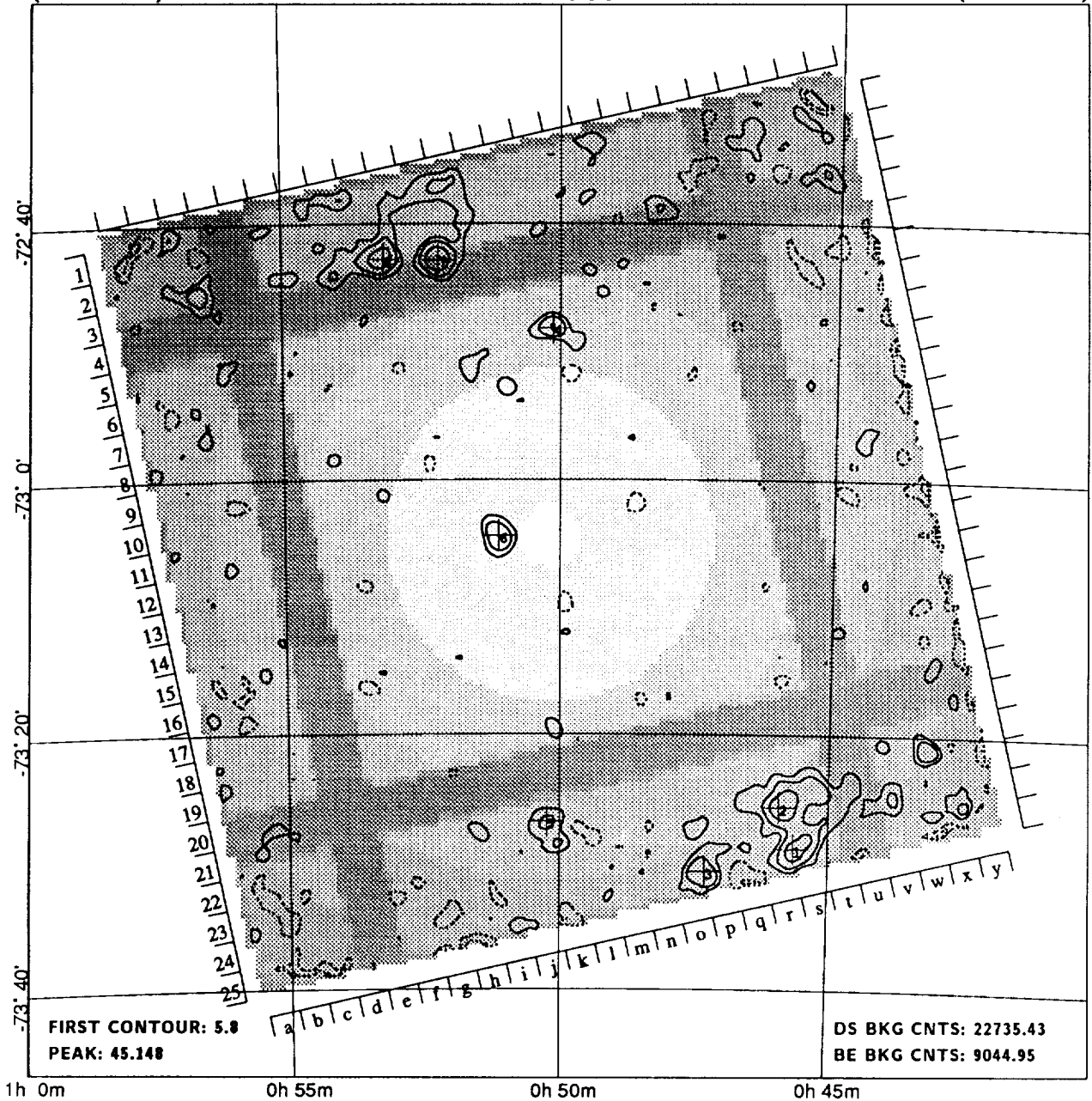
NH: 2.8E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
204	1	00 50 01.3	01 24 53	35	0.0078	0.0015	41.8	19.2	5.4	0.8	0	0.9	

(0h 50m)

I 7988

(0h 50m)



SHELL-LIKE STRUCTURES IN SMC

FIELD CENTER: 00^h50^m00.0^s -73°04'59" (B1950)
 00^h51^m45.8^s -72°48'41" (J2000)
 l : 302.90 b : -44.32

DATE: 1980/106 - 1980/108
 LIVETIME: 18423.1s
 ROLL ANGLE: -12.6°

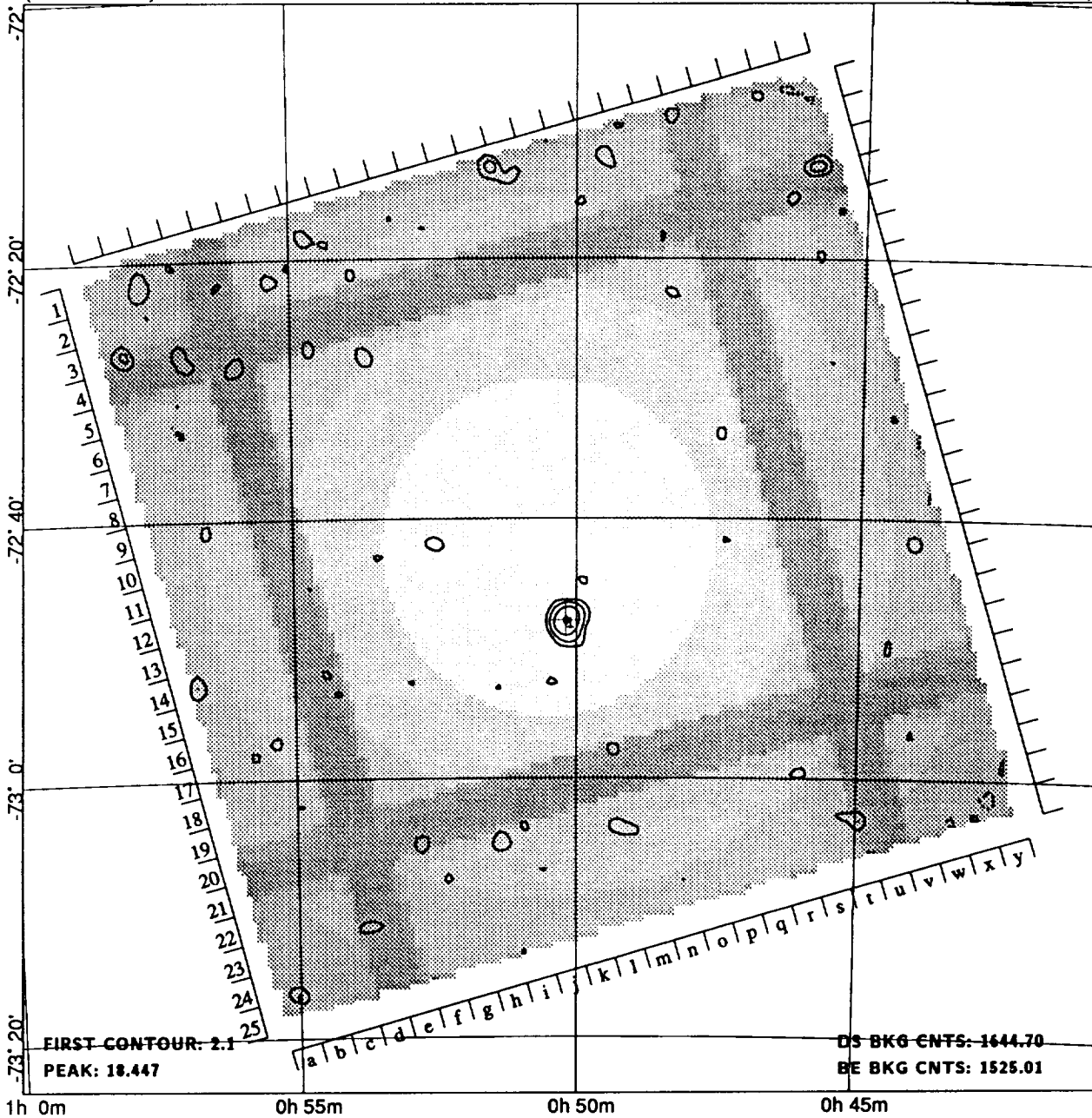
NH: 6.2E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
187	1	00 45 38.6	-73 28 58	51	0.0109	0.0018	66.1	47.9	6.2	3.8	0	30.3	AH	*
188	2	00 45 55.6	-73 25 41	51	0.0122	0.0016	85.7	45.3	7.5	3.3	0	27.3	H	*
196	3	00 47 17.2	-73 30 45	58	0.0063	0.0014	42.3	48.7	4.4	1.1	300	28.2	AH	*
205	4	00 50 07.6	-72 48 10	50	0.0059	0.0010	62.3	58.7	5.7	0.9	0	16.9	A	*
206	5	00 50 14.4	-73 26 51	57	0.0045	0.0011	39.5	54.5	4.1	1.1	500	21.8	H	*
211	6	00 51 07.4	-73 04 21	34	0.00713	0.00099	94.7	78.3	7.2	0.9	0	5.0		*
216	7	00 52 12.1	-72 42 50	50	*0.0121	0.0014	101.8	43.2	8.5	2.9	1007	24.2	AH	*
222	8	00 53 10.8	-72 42 47	50	*0.0102	0.0015	80.0	54.0	6.9	3.3	804	26.2	AH	*

(0h 50m)

I 6755

(0h 50m)



PULSAR SEARCH: SMC X-3

FIELD CENTER: $00^h 50^m 19.5^s$ $-72^\circ 42' 23''$ (B1950)
 $00^h 52^m 06.1^s$ $-72^\circ 26' 05''$ (J2000)
 $l: 302.86$ $b: -44.69$

DATE: 1980/111 - 1980/111
 LIVETIME: 1380.6s
 ROLL ANGLE: -15.7°

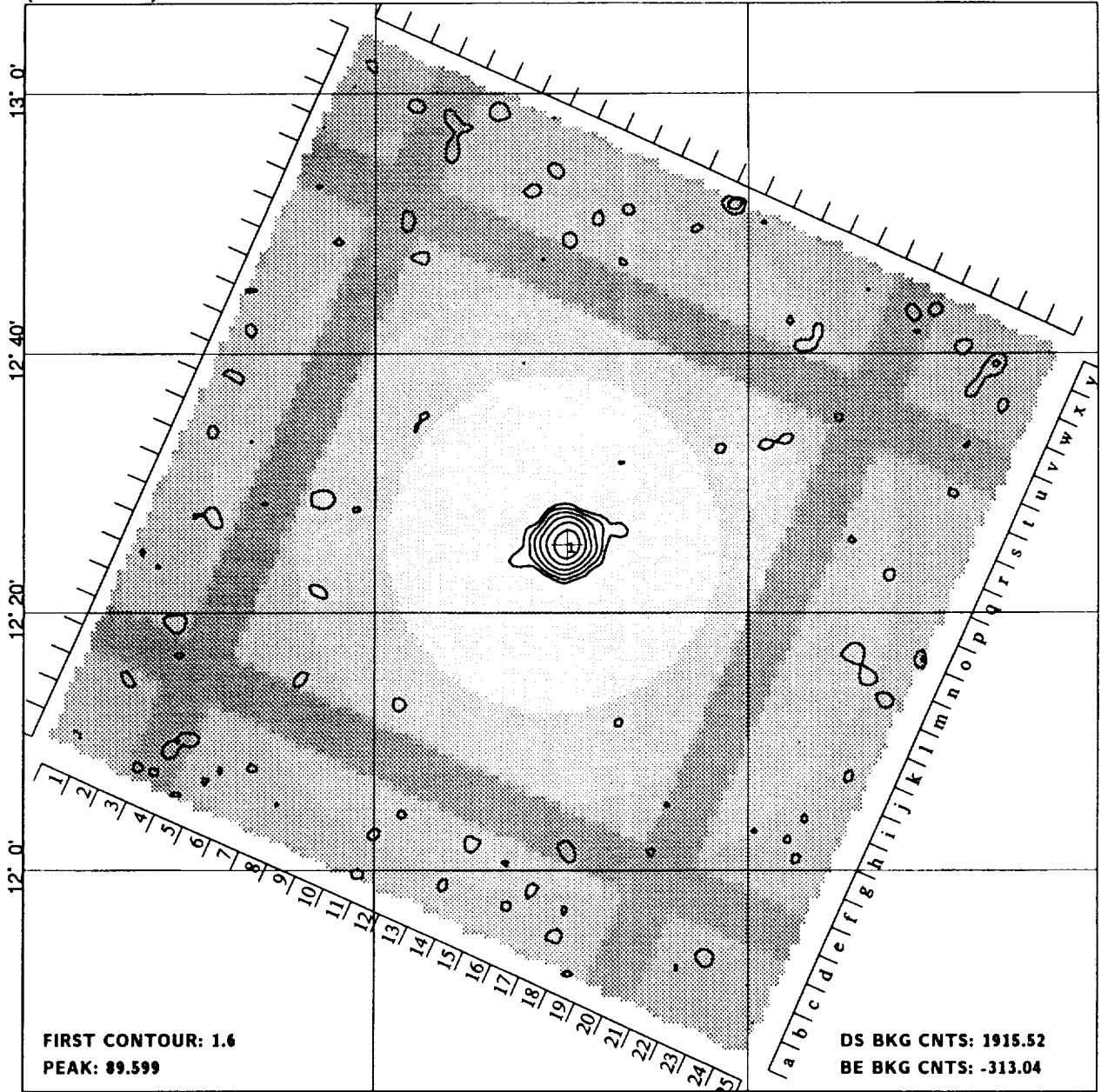
NH: $5.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
205	1	00 50 11.1	-72 47 49	38	0.0717	0.0091	69.9	9.1	7.9	1.0	0	5.5	AH *

(0h 51m)

I 2632

(0h 51m)



SEYFERT GALAXY SURVEY: I ZW1

FIELD CENTER: 00^h51^m00.0^s 12°24'59" (B1950)
 00^h53^m37.1^s 12°41'16" (J2000)
 l : 123.76 b : -50.18

DATE: 1979/201 - 1979/201
 LIVETIME: 1552.2s
 ROLL ANGLE: -65.9°

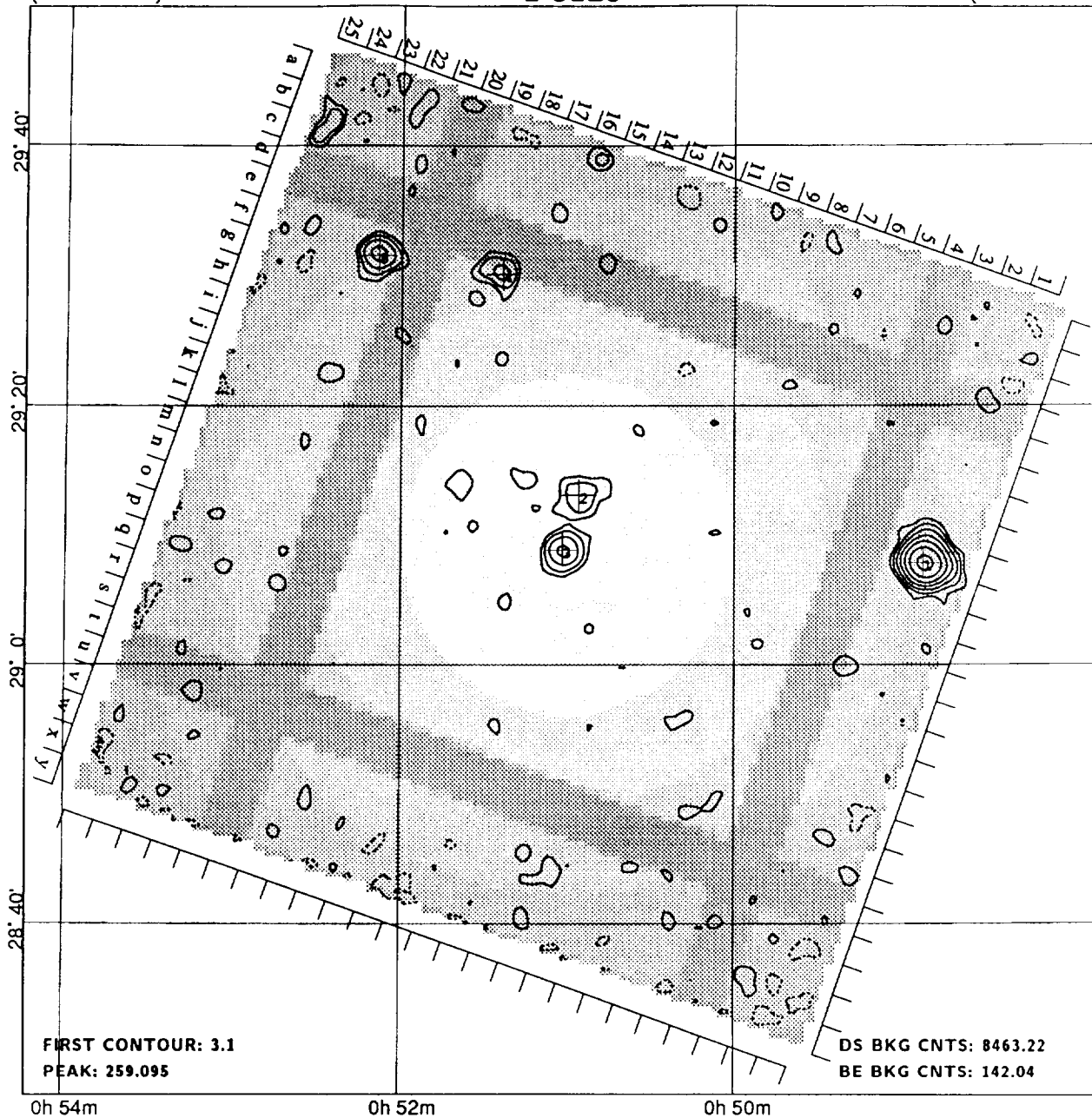
NH: 5.0E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
209	1	00 50 58.2	12 25 15	31	0.342	0.017	395.1	3.9	19.8	1.3	0	0.6	H *

(0h 51m)

I 5123

(0h 51m)



QSO 4C29.01

FIELD CENTER: 00^h51^m02.0^s 29°08'48" (B1950)
 00^h53^m44.2^s 29°25'04" (J2000)
 l : 123.53 b : -33.45

DATE: 1980/ 9 - 1980/ 9
 LIVETIME: 6858.0s
 ROLL ANGLE: 109.4°

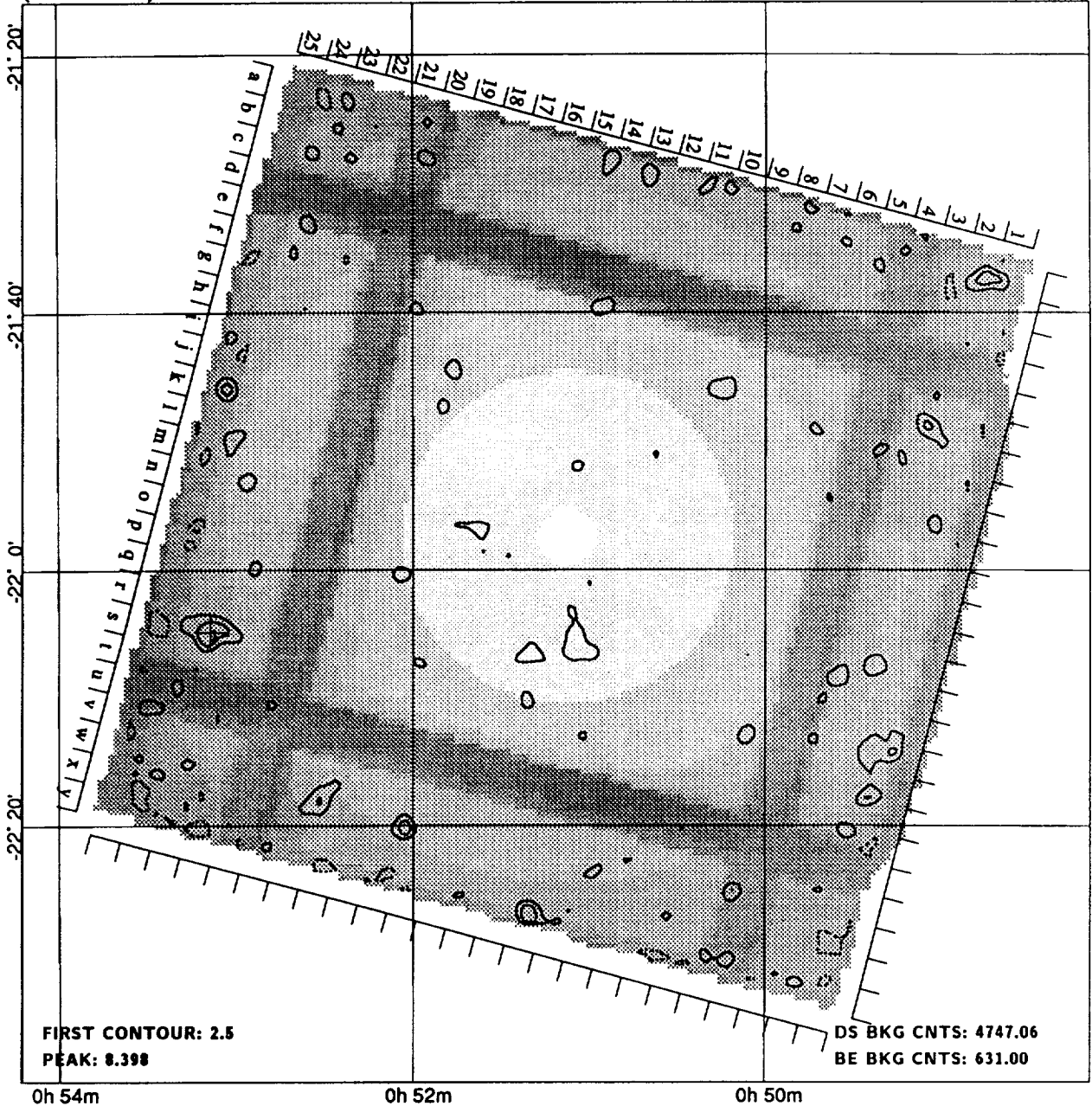
NH: 5.8E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
198	1	00 48 52.6	29 07 50	47	0.1965	0.0087	522.0	15.0	22.5	1.2	0	28.1	H	
208	2	00 50 55.8	29 13 06	35	0.0110	0.0018	54.3	24.7	6.1	1.1	0	4.4	H	
210	3	00 51 01.6	29 08 52	31	0.0225	0.0023	115.1	20.9	9.9	1.0	0	0.2	H	Q
213	4	00 51 23.5	29 30 09	51	*0.0122	0.0021	40.5	10.5	5.7	1.0	804	22.0	H	
215	5	00 52 08.3	29 31 34	50	0.0232	0.0032	63.5	14.5	7.2	1.0	500	27.0	H	

(0h 51m)

I 8991

(0h 51m)



FIRST CONTOUR: 2.5
PEAK: 8.398

DS BKG CNTS: 4747.06
BE BKG CNTS: 631.00

0h 54m

0h 52m

0h 50m

DISTANCE 4 ABELL CLUSTERS: ABELL 114

FIELD CENTER: $00^h 51^m 11.0^s$ $-21^\circ 57' 58''$ (B1950)
 $00^h 53^m 38.7^s$ $-21^\circ 41' 42''$ (J2000)
 $l: 128.33$ $b: -84.54$

DATE: 1981/ 16 - 1981/ 16
 LIVETIME: 3846.7s
 ROLL ANGLE: 104.9°

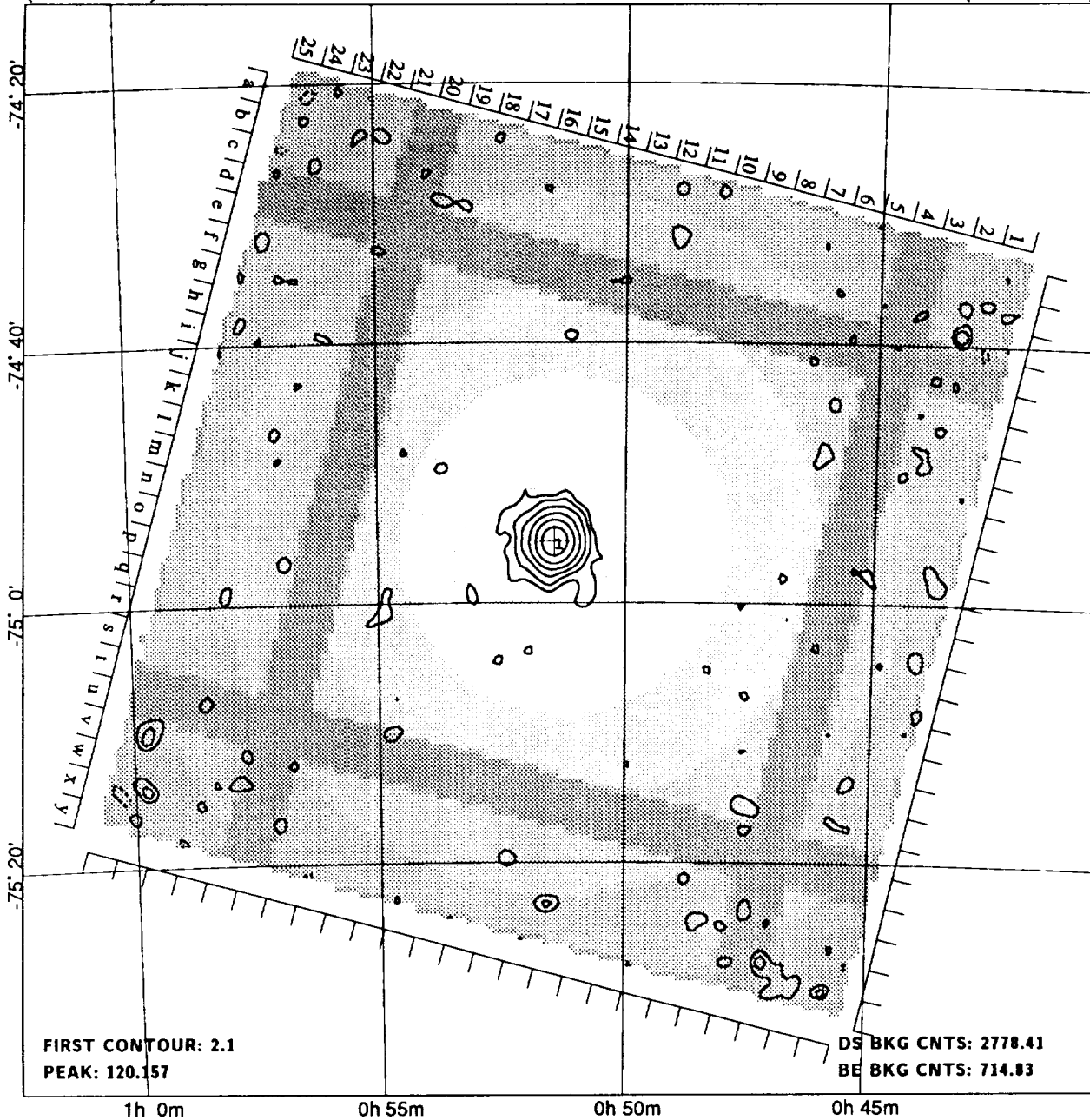
NH: $1.4E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
220	1	00 53 08.8	-22 04 44	59	0.0135	0.0037	18.9	8.1	3.6	1.0	0	28.2	H	

(0h 51m)

I 9044

(0h 51m)



RS CV_n FOLLOWUP: HD 5303

FIELD CENTER: 00^h51^m21.0^s -74°55'59" (B1950)
 00^h52^m59.3^s -74°39'42" (J2000)
 l : 302.79 b : -42.47

DATE: 1980/360 - 1980/360
 LIVETIME: 2251.4e
 ROLL ANGLE: 104.5°

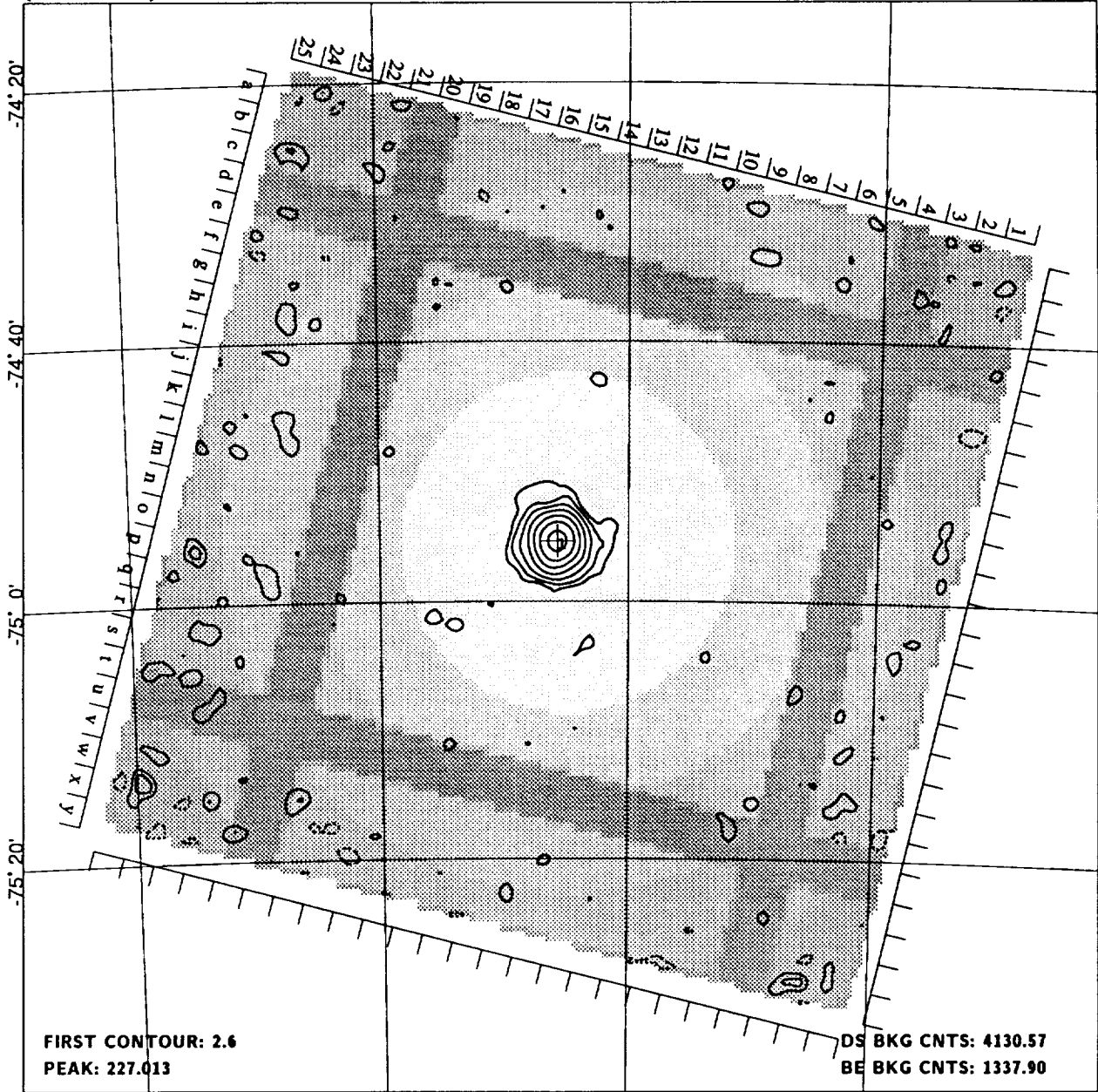
NH: 4.6E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
214	1	00 51 25.9	-74 55 17	31	0.302	0.014	505.2	9.8	22.3	1.5	0	0.8	AH S

(0h 51m)

I 9968

(0h 51m)



RS CVN FOLLOW-UP:HD 5303

FIELD CENTER: $00^{\text{h}}51^{\text{m}}21.0^{\text{s}}$ $-74^{\circ}55'59''$ (B1950)
 $00^{\text{h}}52^{\text{m}}59.3^{\text{s}}$ $-74^{\circ}39'42''$ (J2000)
 $l: 302.79$ $b: -42.47$

DATE: 1980/360 - 1980/360
 LIVETIME: 3347.1s
 ROLL ANGLE: 104.0°

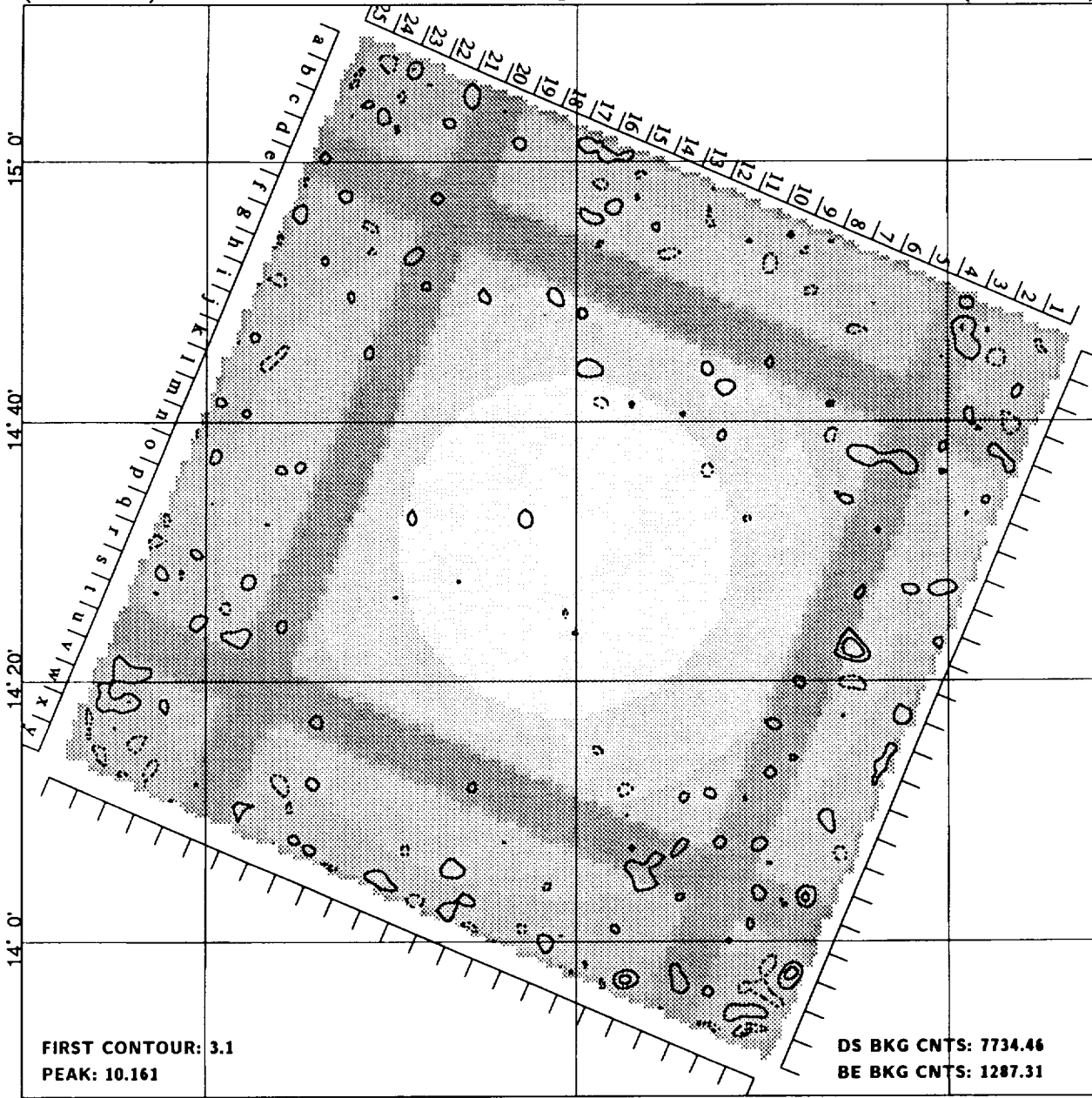
NH: $4.6\text{E}+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
214	1	00 51 25.7	-74 55 20	31	0.394	0.013	981.6	15.4	31.1	1.4	0	0.8	AH	S

(0h 52m)

I 541

(0h 52m)



PHL 891/894/909 (QSO 0052+145) QUASAR SURVEY

FIELD CENTER: 00^h52^m06.0^s 14°29'59" (B1950)
 00^h54^m43.8^s 14°46'15" (J2000)
l: 124.12 *b*: -48.09

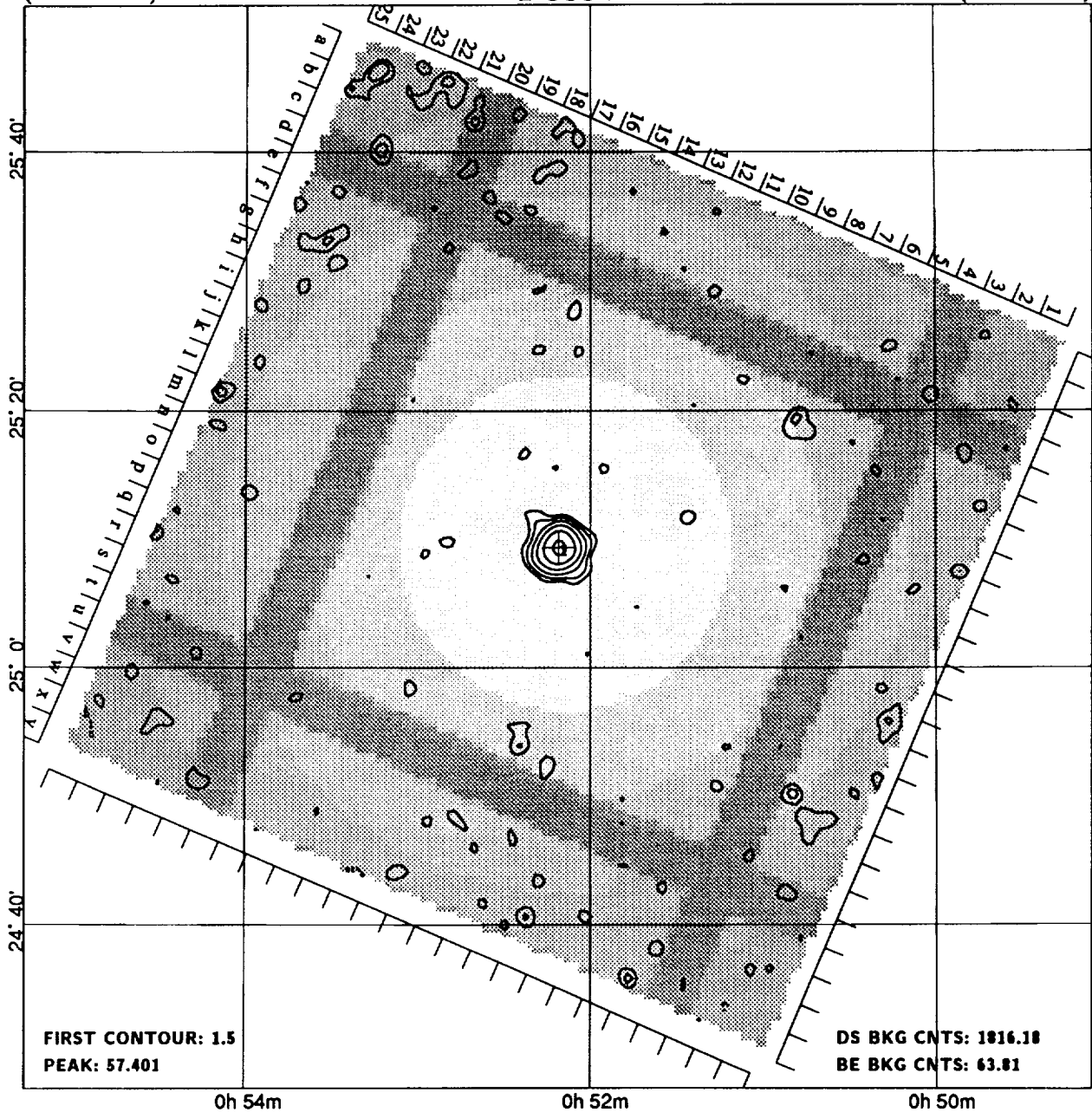
DATE: 1979/ 7 - 1979/ 8
 LIVETIME: 6267.4s
 ROLL ANGLE: 112.9°

NH: 4.8E+20
 REF/ID:
 FIELD FLAGS:

(0h 52m)

I 5334

(0h 52m)



SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: $00^h 52^m 11.0^s$ $25^\circ 09' 22''$ (B1950)
 $00^h 54^m 52.1^s$ $25^\circ 25' 37''$ (J2000)
 $l: 123.91$ $b: -37.44$

DATE: 1980/ 10 - 1980/ 10
 LIVETIME: 1471.7s
 ROLL ANGLE: 113.2°

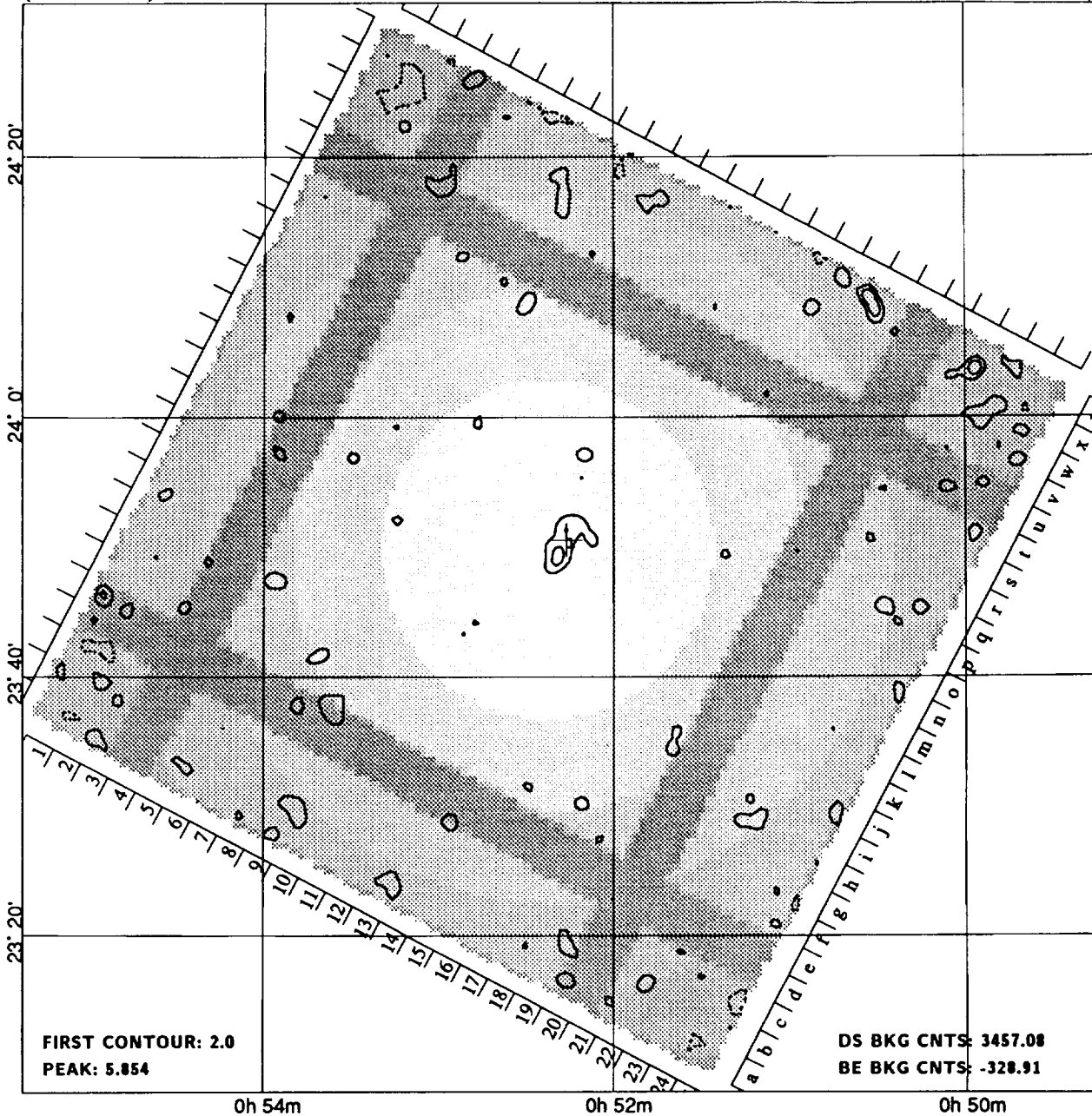
NH: $4.7E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
217	1	00 52 11.1	25 09 24	31	0.232	0.015	254.3	4.7	15.8	1.2	0	0.2	H Q

(0h 52m)

I 5988

(0h 52m)



Chromospherically Active Stars: 9032 (G5)

FIELD CENTER: 00^h52^m19.0^s 23°49'53" (B1950)
 00^h54^m59.6^s 24°06'08" (J2000)
 l : 123.97 b : -38.76

DATE: 1980/209 - 1980/209
 LIVETIME: 2801.4s
 ROLL ANGLE: -62.3°

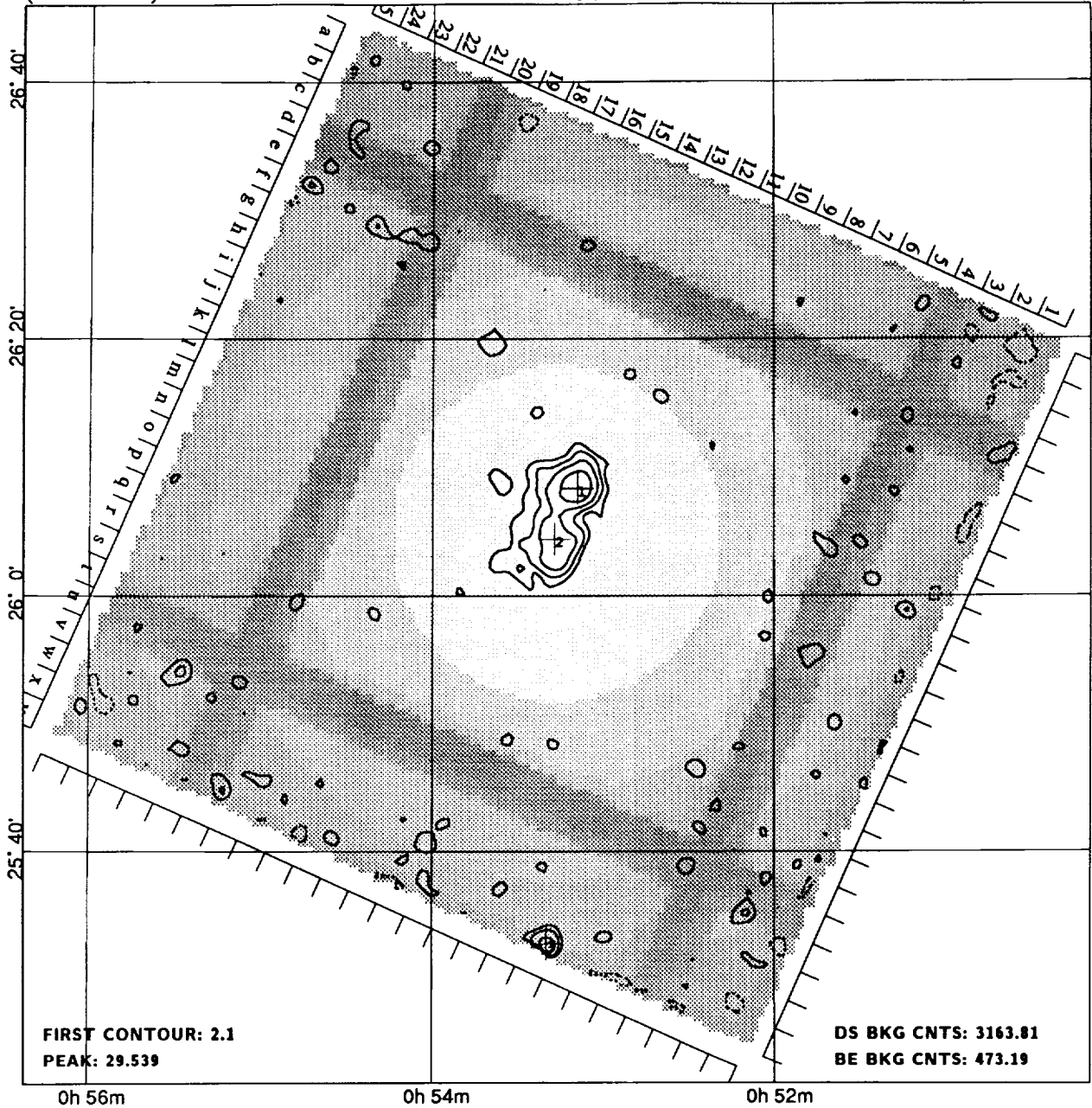
NH: 4.1E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
218	1	00 52 16.2	23 50 30	42	0.0085	0.0024	17.5	7.5	3.5	1.3	0	0.8	H S

(0h 53m)

I 209

(0h 53m)



A 115 CLUSTER EVOLUTION

FIELD CENTER: $00^h 53^m 16.0^s$ $26^\circ 03' 59''$ (B1950)
 $00^h 55^m 57.5^s$ $26^\circ 20' 13''$ (J2000)
 $l: 124.19$ $b: -36.52$

DATE: 1979/ 13 - 1979/ 13
 LIVETIME: 2563.7s
 ROLL ANGLE: 114.1°

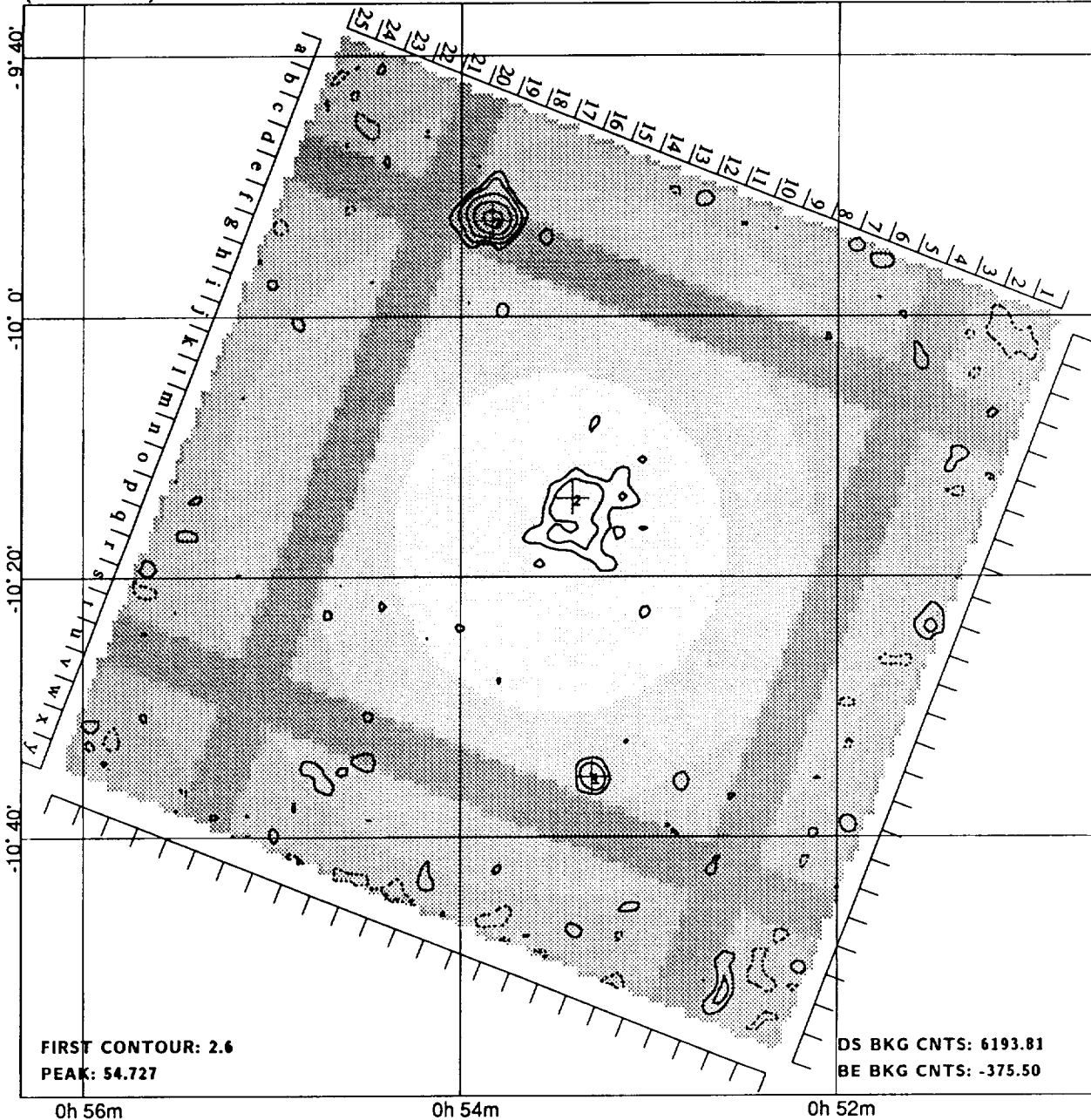
NH: $5.1E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
221	1	00 53 09.0	26 08 20	31	0.0731	0.0065	135.8	10.2	11.2	2.8	0	4.7	H	*
223	2	00 53 17.1	26 04 25	34	0.0354	0.0046	67.8	9.2	7.7	5.1	0	0.4	H	CLG
225	3	00 53 19.8	25 32 51	52	*0.0264	0.0069	18.8	5.2	3.8	1.0	704	31.3	EH	

(0h 53m)

I 8992

(0h 53m)



DISTANCE 4 ABELL CLUSTERS: ABELL 117

FIELD CENTER: 00^h53^m29.0^s -10°18'02" (B1950)
 00^h55^m59.9^s -10°01'48" (J2000)
 $l: 126.75$ $b: -72.87$

DATE: 1981/ 7 - 1981/ 7
 LIVETIME: 5019.0s
 ROLL ANGLE: 111.2°

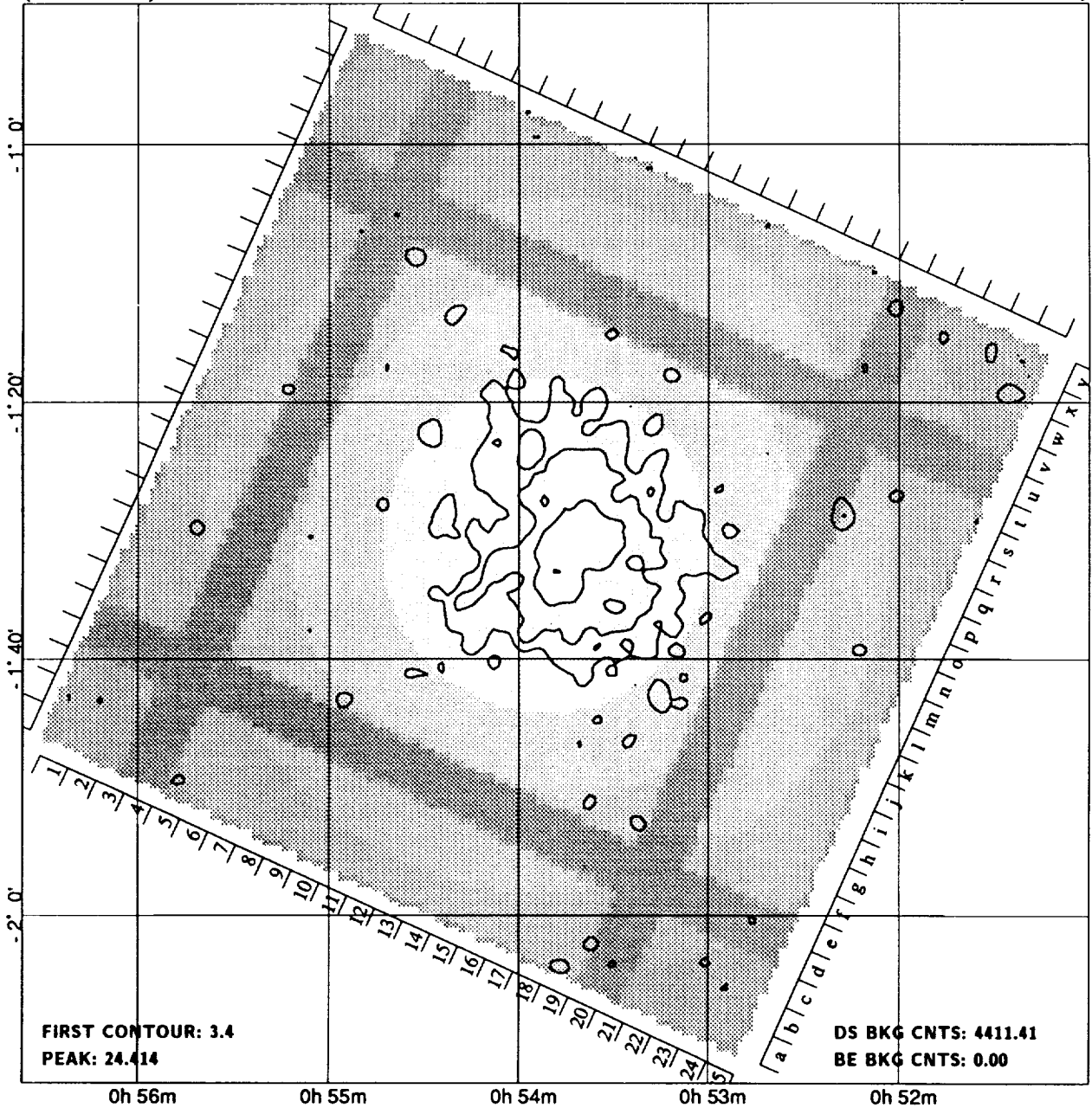
NH: 3.7E+20
 REF/ID:
 FIELD FLAGS: D

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
224	1	00 53 18.0	-10 35 21	51	0.0123	0.0025	33.6	11.4	5.0	0.8	300	17.4	H
226	2	00 53 24.3	-10 13 57	36	0.0111	0.0021	40.6	16.4	5.4	3.2	0	3.8	H
228	3	00 53 50.1	-09 52 41	48	*0.0645	0.0057	137.3	7.7	11.4	1.3	1109	25.9	H

(0h 53m)

I 1770

(0h 53m)

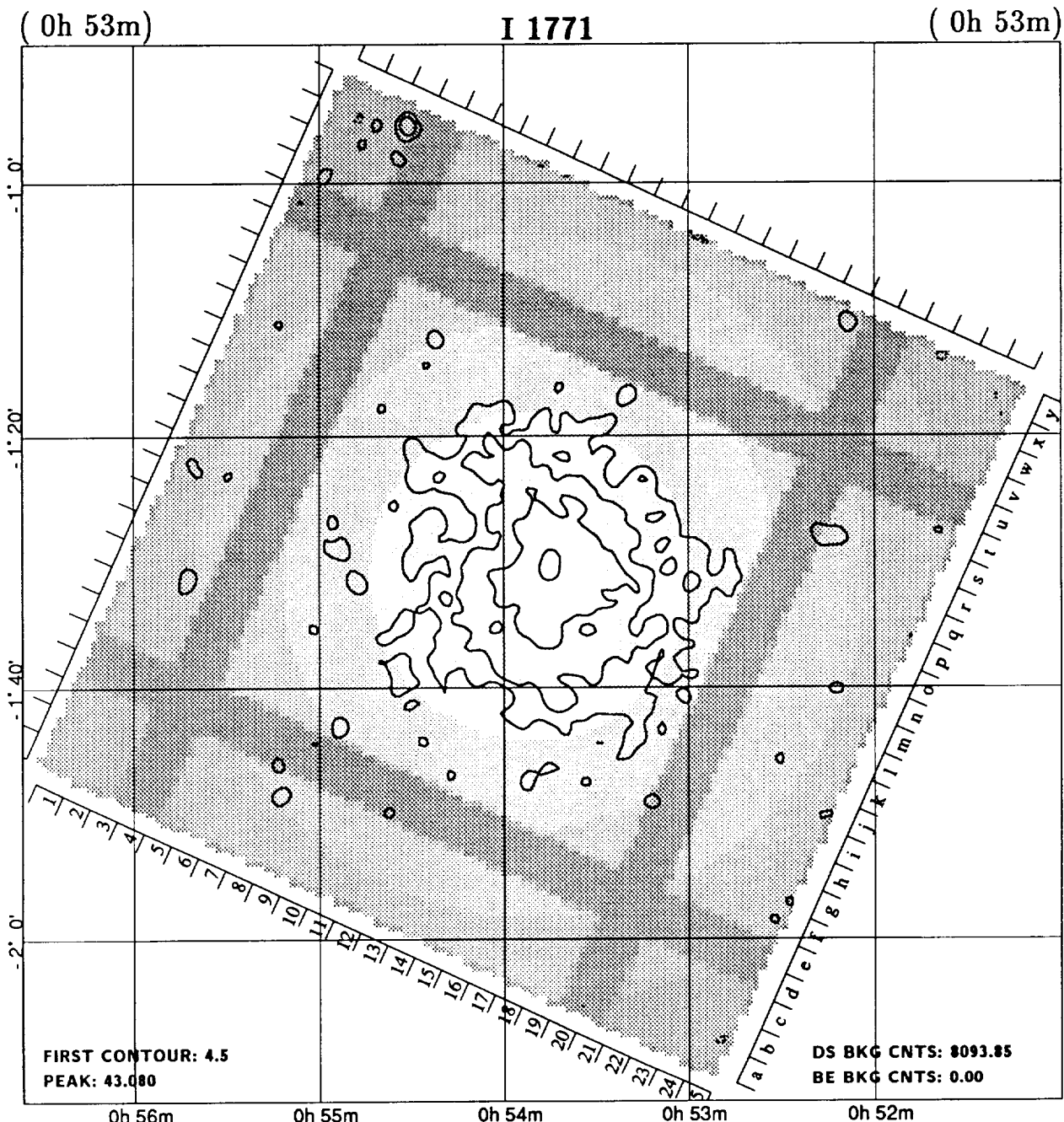


A119: STUDY, CLUSTERS OF GALAXIES

FIELD CENTER: 00^h53^m48.0^s -01°30'59" (B1950)
 00^h56^m21.4^s -01°14'46" (J2000)
 l : 125.75 b : -64.09

DATE: 1979/172 - 1979/172
 LIVETIME: 3574.7s
 ROLL ANGLE: -65.6°

NH: 3.4E+20
 REF/ID: !
 FIELD FLAGS: CLS



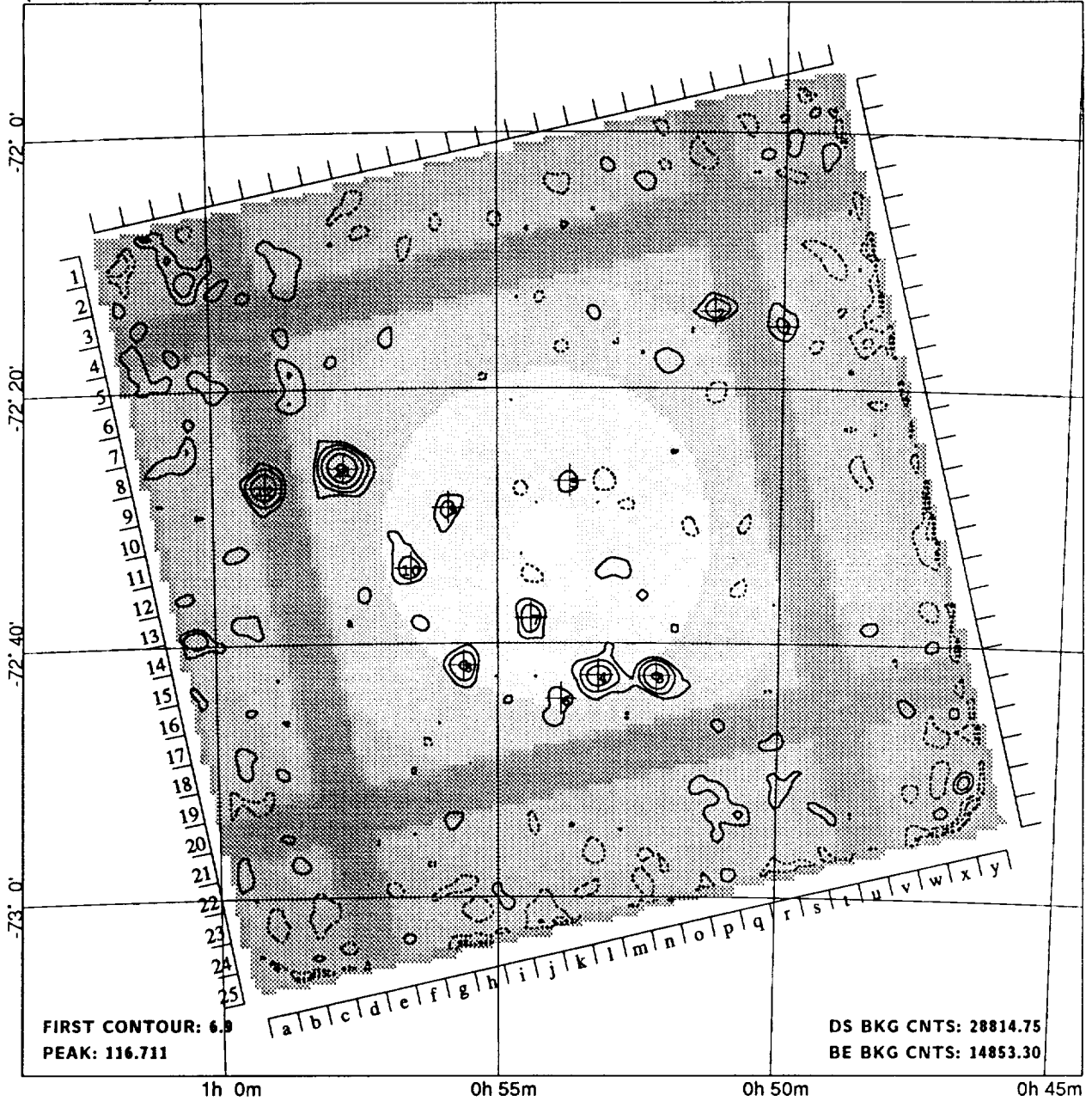
A119: STUDY, CLUSTERS OF GALAXIESL

FIELD CENTER: $00^{\text{h}}53^{\text{m}}48.0^{\text{s}} -01^{\circ}30'59''$ (B1950) $00^{\text{h}}56^{\text{m}}21.4^{\text{s}} -01^{\circ}14'46''$ (J2000) $l: 125.75 \quad b: -64.09$	DATE: 1980/171 - 1980/171 LIVETIME: 6558.7s ROLL ANGLE: -65.6°	NH: $3.4\text{E}+20$ REF/ID: ! FIELD FLAGS: CLS
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(0h 54m)

I 6297

(0h 54m)



SMC FOLLOW-UP

FIELD CENTER: 00^h54^m00.0^s -72°31'59" (B1950)
 00^h55^m43.8^s -72°15'45" (J2000)
 l : 302.47 b : -44.86

DATE: 1980/106 - 1980/108
 LIVETIME: 23349.4s
 ROLL ANGLE: -12.6°

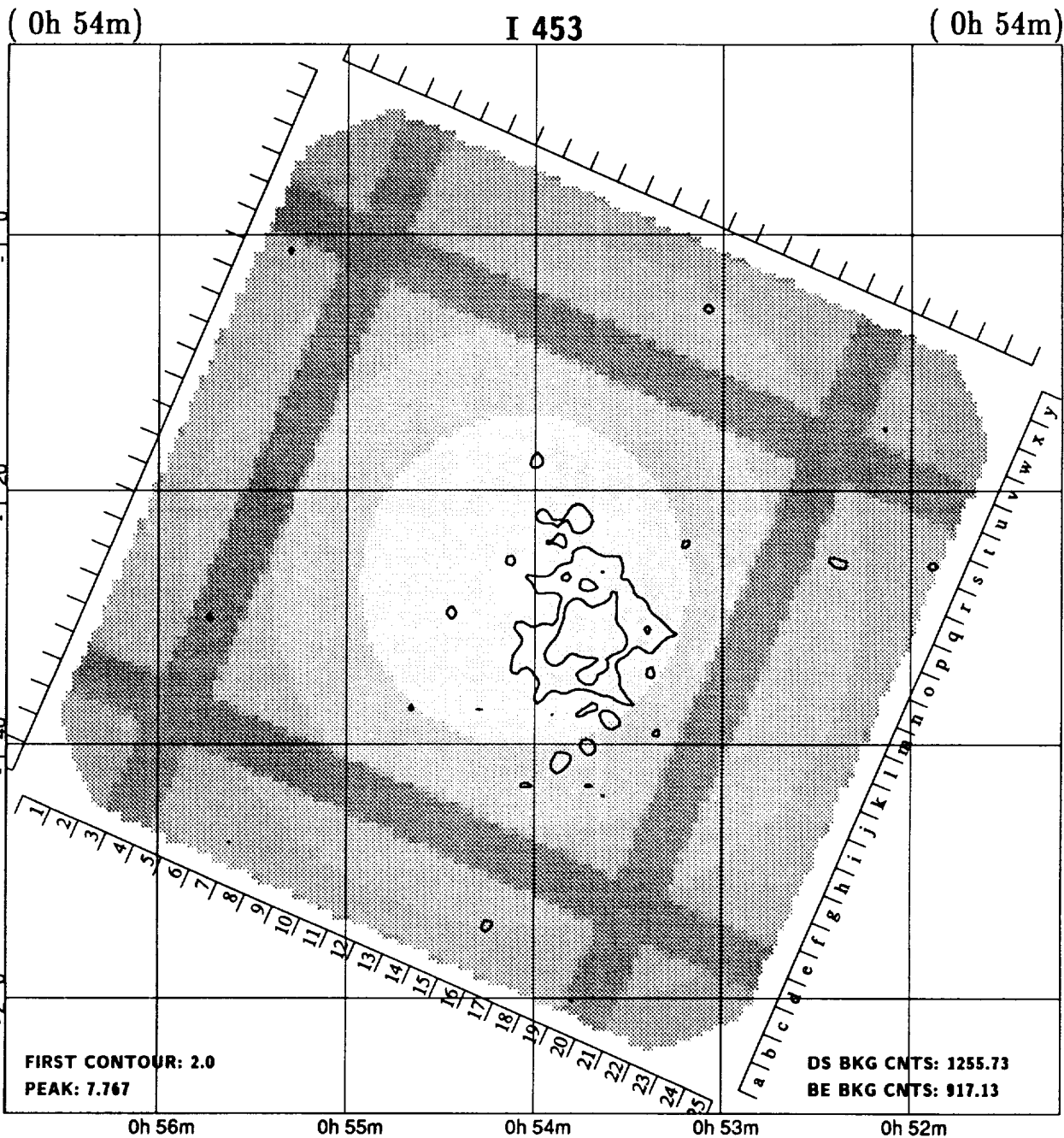
NH: 5.6E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
203	1	00 50 00.6	-72 15 10	55	*0.00365	0.00092	36.9	50.1	4.0	0.7	803	24.7	H
212	2	00 51 11.5	-72 14 00	53	*0.0049	0.0010	55.3	71.7	4.9	0.7	703	22.0	
216	3	00 52 10.7	-72 42 32	38	0.0114	0.0011	162.3	87.7	10.3	1.9	0	13.3	AH *
222	4	00 53 12.7	-72 42 30	38	0.0104	0.0011	156.1	95.9	9.8	2.2	0	11.0	AH *
227	5	00 53 43.4	-72 27 13	42	0.00282	0.00076	47.3	115.7	3.7	0.5	0	5.1	
229	6	00 53 52.2	-72 44 20	47	0.00301	0.00080	44.0	94.0	3.7	0.9	0	12.1	
230	7	00 54 24.6	-72 37 55	39	0.00508	0.00086	83.1	113.9	5.9	0.8	0	6.1	
237	8	00 55 36.5	-72 41 44	41	0.00627	0.00094	93.3	101.7	6.7	0.9	0	12.2	
238	9	00 55 52.1	-72 29 18	41	0.00356	0.00084	56.9	124.1	4.2	0.7	0	8.9	
240	10	00 56 31.8	-72 34 02	41	0.00451	0.00085	68.7	97.3	5.3	0.9	0	11.8	H

Source Table cont.

I 6297 cont.

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
245	11	00 57 42.4	-72 26 12	47	0.0284	0.0016	371.5	87.5	17.3	1.1	0	17.9	AH	†
247	12	00 59 04.9	-72 27 36	49	*0.0122	0.0012	133.4	53.6	9.8	0.9	1209	23.4	A	*



ZW CL ABNORMAL GALAXIES SURVEY

FIELD CENTER: $00^h 54^m 00.0^s -01^\circ 26' 59''$ (B1950)
 $00^h 56^m 33.4^s -01^\circ 10' 46''$ (J2000)
 $l: 125.85 \quad b: -64.02$

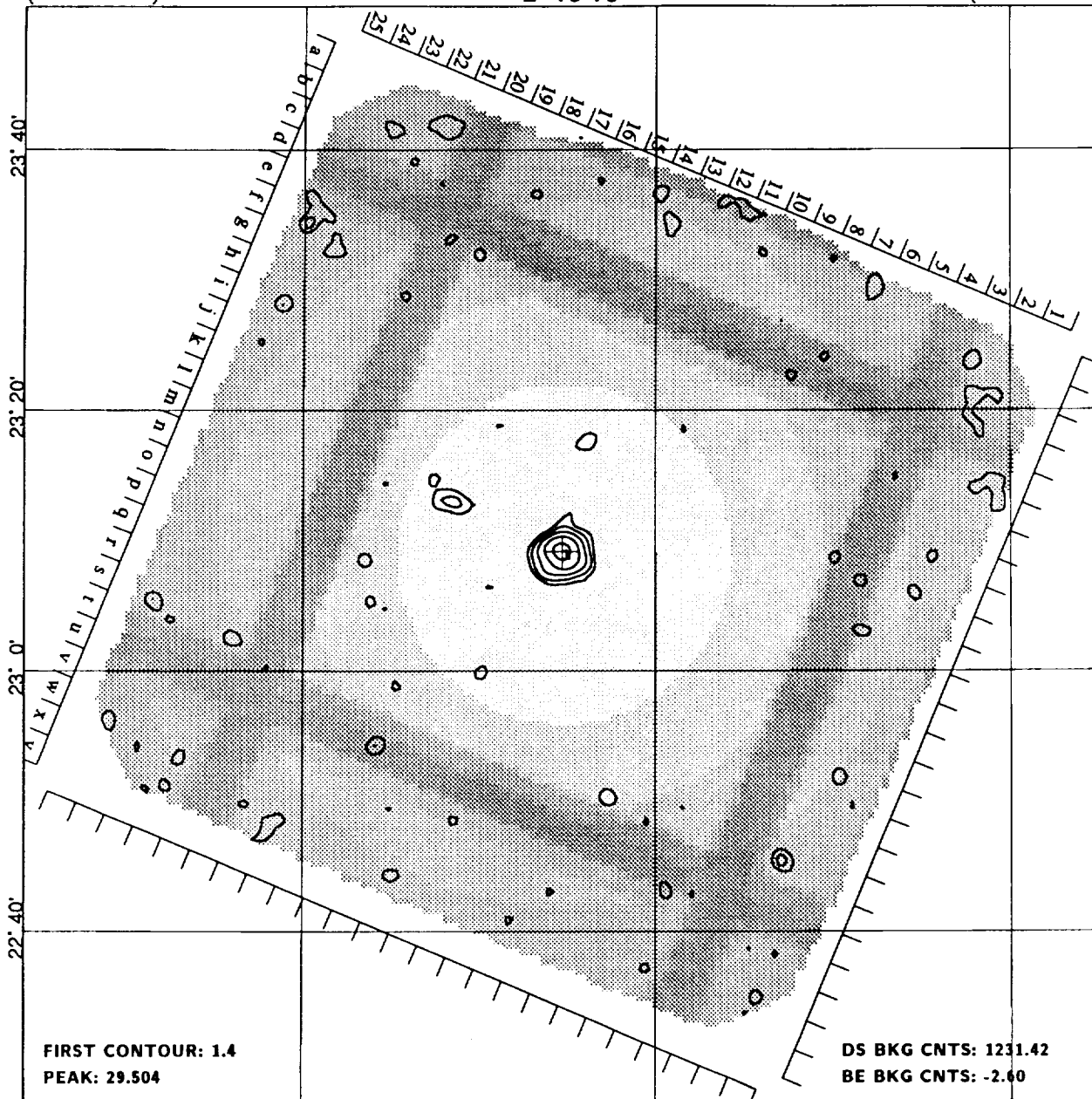
DATE: 1979/179 - 1979/179
 LIVETIME: 1017.6s
 ROLL ANGLE: -66.5°

NH: $3.4E+20$
 REF/ID:
 FIELD FLAGS: L

(0h 54m)

I 4940

(0h 54m)



SELECTED SINGLE STARS: ETA AND (HD 5516)

FIELD CENTER: 00^h54^m31.9^s 23°08'59" (B1950)
 00^h57^m12.6^s 23°25'12" (J2000)
 l : 124.65 b : -39.43

DATE: 1980/ 9 - 1980/ 9
 LIVETIME: 997.9s
 ROLL ANGLE: 112.6°

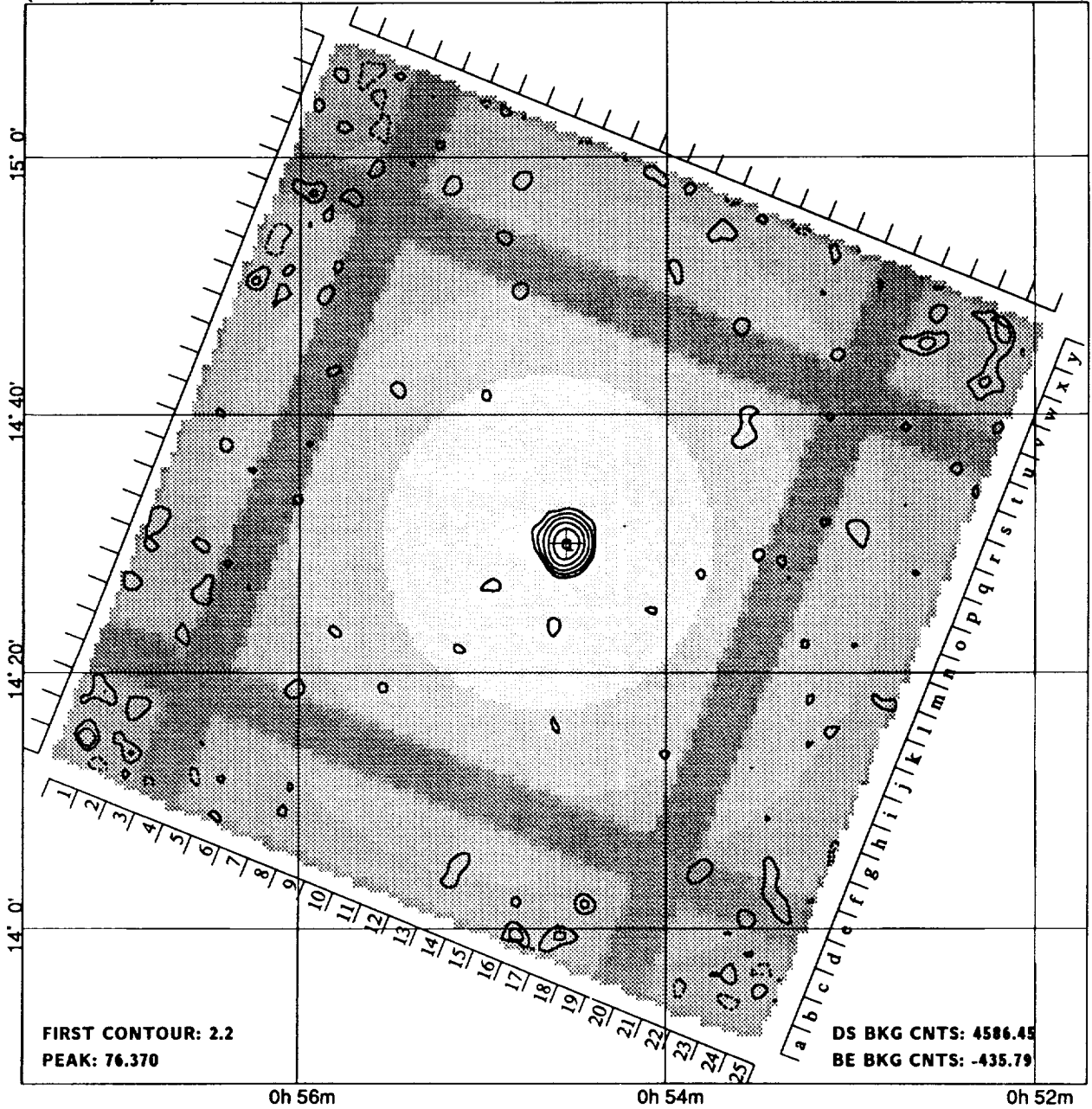
NH: 4.1E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
232	1	00 54 31.7	23 09 08	31	0.162	0.015	120.9	3.1	10.9	1.3	0	0.2	H

(0h 54m)

I 4248

(0h 54m)



OPTICALLY BRIGHT, RADIO-QUIET QSO PHL 909

FIELD CENTER: 00^h54^m36.0^s 14°29'59" (B1950)
 00^h57^m14.0^s 14°46'12" (J2000)
 l : 125.03 b : -48.08

DATE: 1979/183 - 1979/183
 LIVETIME: 3716.5s
 ROLL ANGLE: -68.2°

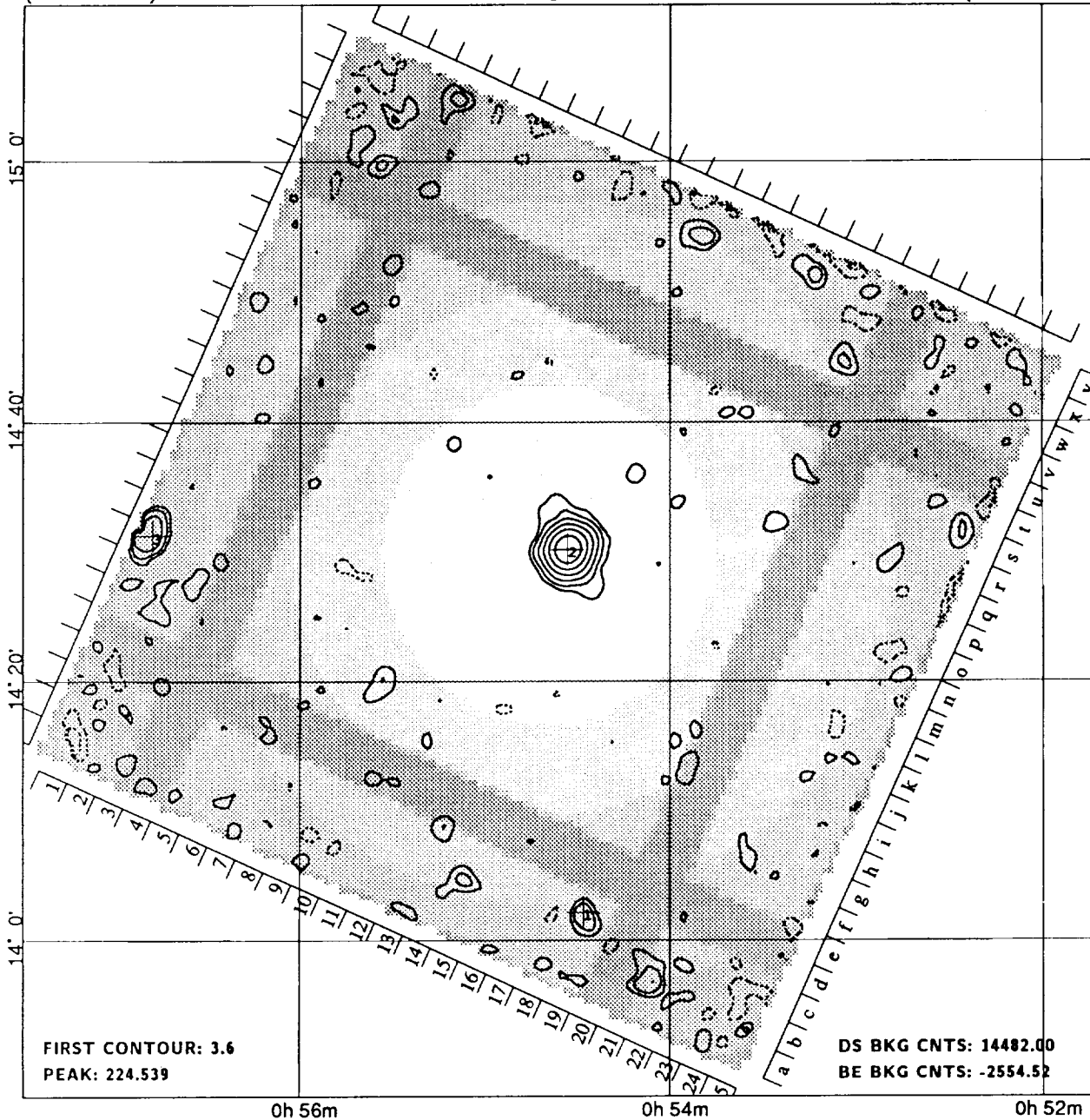
NH: 4.5E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
233	1	00 54 32.9	14 30 04	31	0.1141	0.0065	314.6	10.4	17.5	1.1	0	0.7	AH	Q

(0h 54m)

I 5418

(0h 54m)



PHL909, LONG OBS. OF HIGH COUNT QUASARS

FIELD CENTER: 00^h54^m36.0^s 14°29'59" (B1950)
 00^h57^m14.0^s 14°46'12" (J2000)
 l : 125.03 b : -48.08

DATE: 1980/201 - 1980/204
 LIVETIME: 11735.1s
 ROLL ANGLE: -65.7°

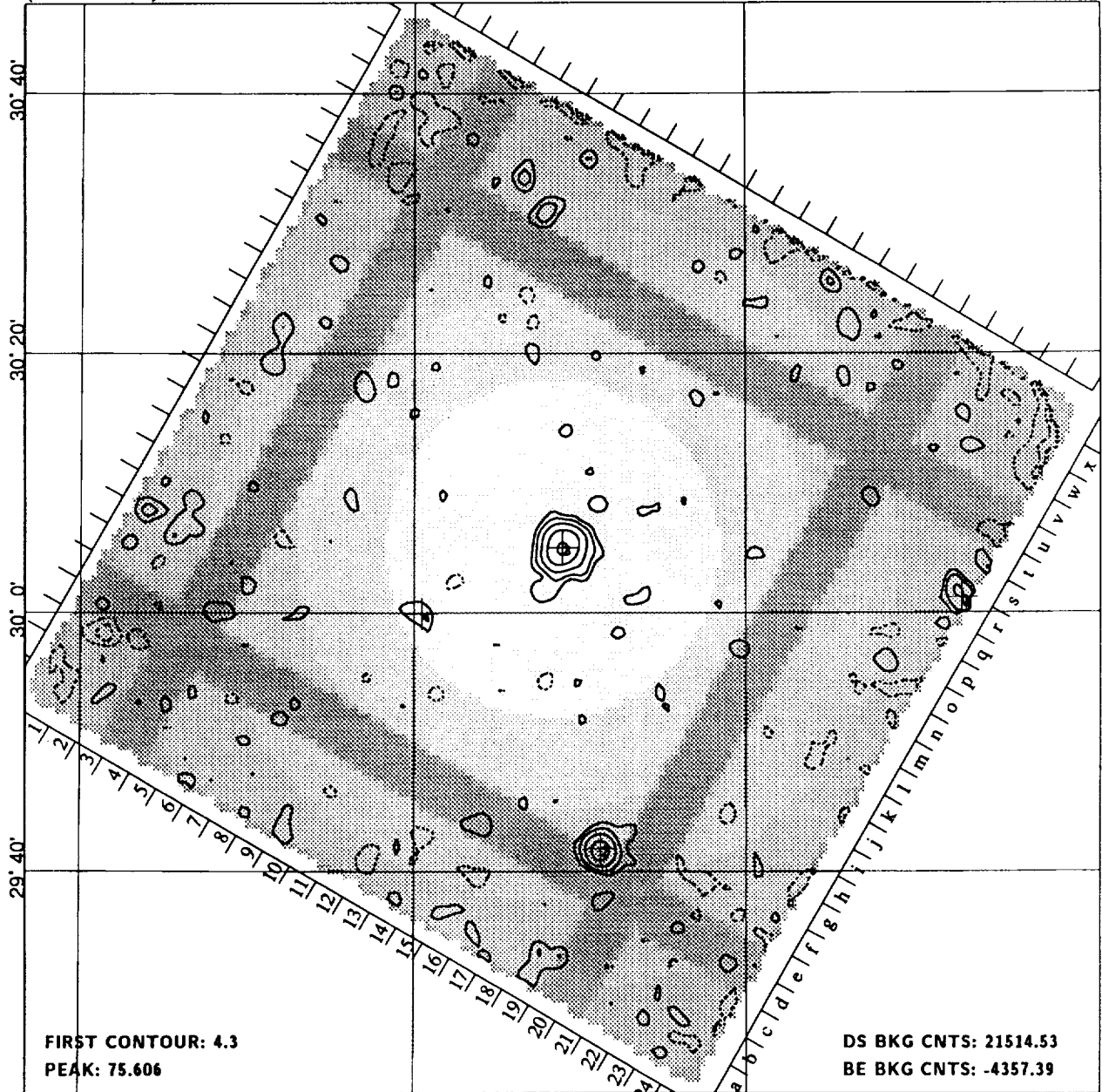
NH: 4.5E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
231	1	00 54 28.0	14 02 10	55	0.0054 0.0014	24.5	18.5	3.7	0.9	300	27.7	
233	2	00 54 33.1	14 30 04	31	0.1067 0.0036	927.0	29.0	30.0	1.3	0	0.7	AH Q
242	3	00 56 47.6	14 31 08	50	*0.0135 0.0022	50.9	16.1	6.2	1.0	703	32.2	H

(0h 55m)

I 4374

(0h 55m)



FIRST CONTOUR: 4.3
PEAK: 75.606

DS BKG CNTS: 21514.53
BE BKG CNTS: -4357.39

NGC 315, GIANT RADIO GALAXY

FIELD CENTER: 00^h55^m06.0^s 30°04'58" (B1950)
00^h57^m49.2^s 30°21'10" (J2000)
l: 124.56 *b*: -32.50

DATE: 1979/213 - 1979/214
LIVETIME: 17433.8s
ROLL ANGLE: -60.0°

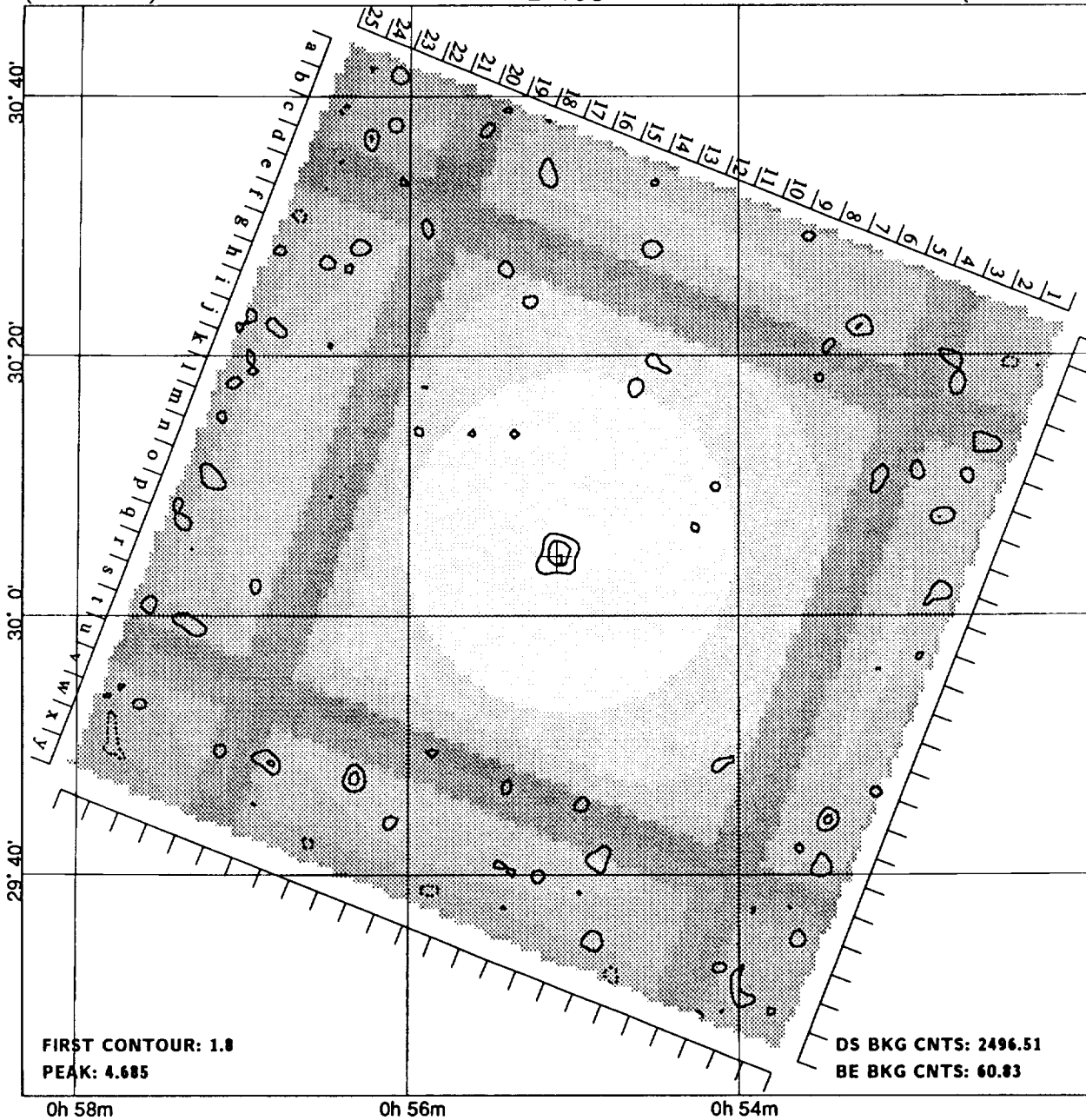
NH: 5.8E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
219	1	00 52 42.1	30 01 10	55	*0.0106	0.0019	45.8	22.2	5.6	1.3	905	31.6	EH	
234	2	00 54 52.5	29 41 47	48	*0.0149	0.0015	118.8	24.2	9.9	1.1	904	23.2	H	
235	3	00 55 06.2	30 05 02	31	0.0269	0.0015	348.4	39.6	17.7	1.4	0	0.2	AH	G
239	4	00 55 57.2	29 59 54	47	0.00258	0.00073	29.2	38.8	3.5	0.6	0	12.1	H	

(0h 55m)

I 463

(0h 55m)



FIRST CONTOUR: 1.8
PEAK: 4.685

DS BKG CNTS: 2496.51
BE BKG CNTS: 60.83

NGC 315 ABNORMAL GALAXIES SURVEY

FIELD CENTER: 00^h55^m06.0^s 30°04'59" (B1950)
00^h57^m49.2^s 30°21'11" (J2000)
 l : 124.56 b : -32.50

DATE: 1979/ 7 - 1979/ 7
LIVETIME: 2023.0s
ROLL ANGLE: 111.5°

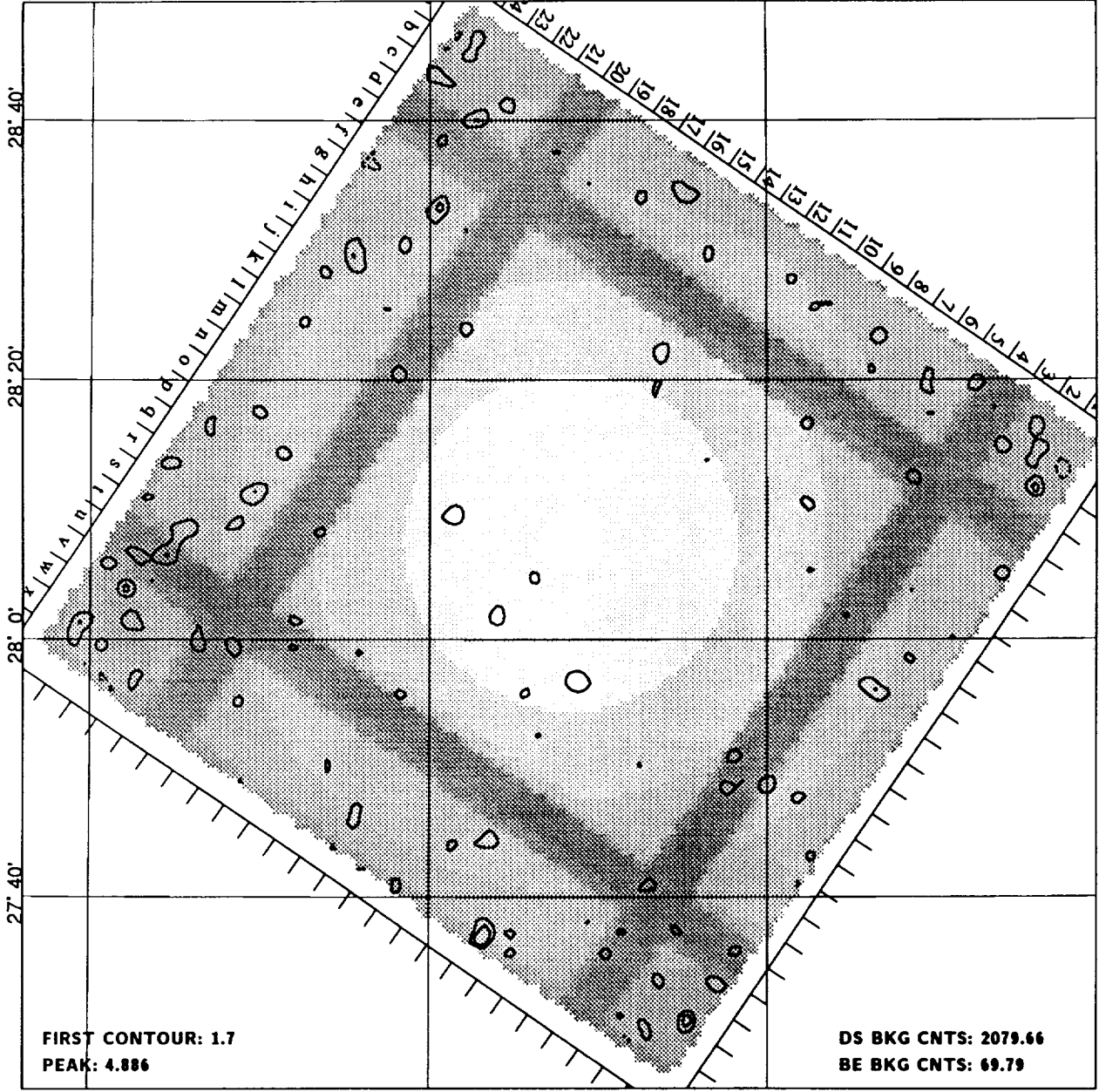
NH: 5.8E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
235	1	00 55 06.1	30 04 33	39	0.0164	0.0037	24.7	6.3	4.4	0.9	0	0.4	AH G

(0h 55m)

I 9162

(0h 55m)



FIRST CONTOUR: 1.7
PEAK: 4.886

DS BKG CNTS: 2079.66
BE BKG CNTS: 69.79

0h 58m

0h 56m

0h 54m

S-TYPE MARKARIAN GALAXIES: MK 351

FIELD CENTER: $00^h 55^m 13.5^s$ $28^{\circ} 07' 13''$ (B1950)
 $00^h 57^m 56.0^s$ $28^{\circ} 23' 25''$ (J2000)
 $l: 124.66$ $b: -34.46$

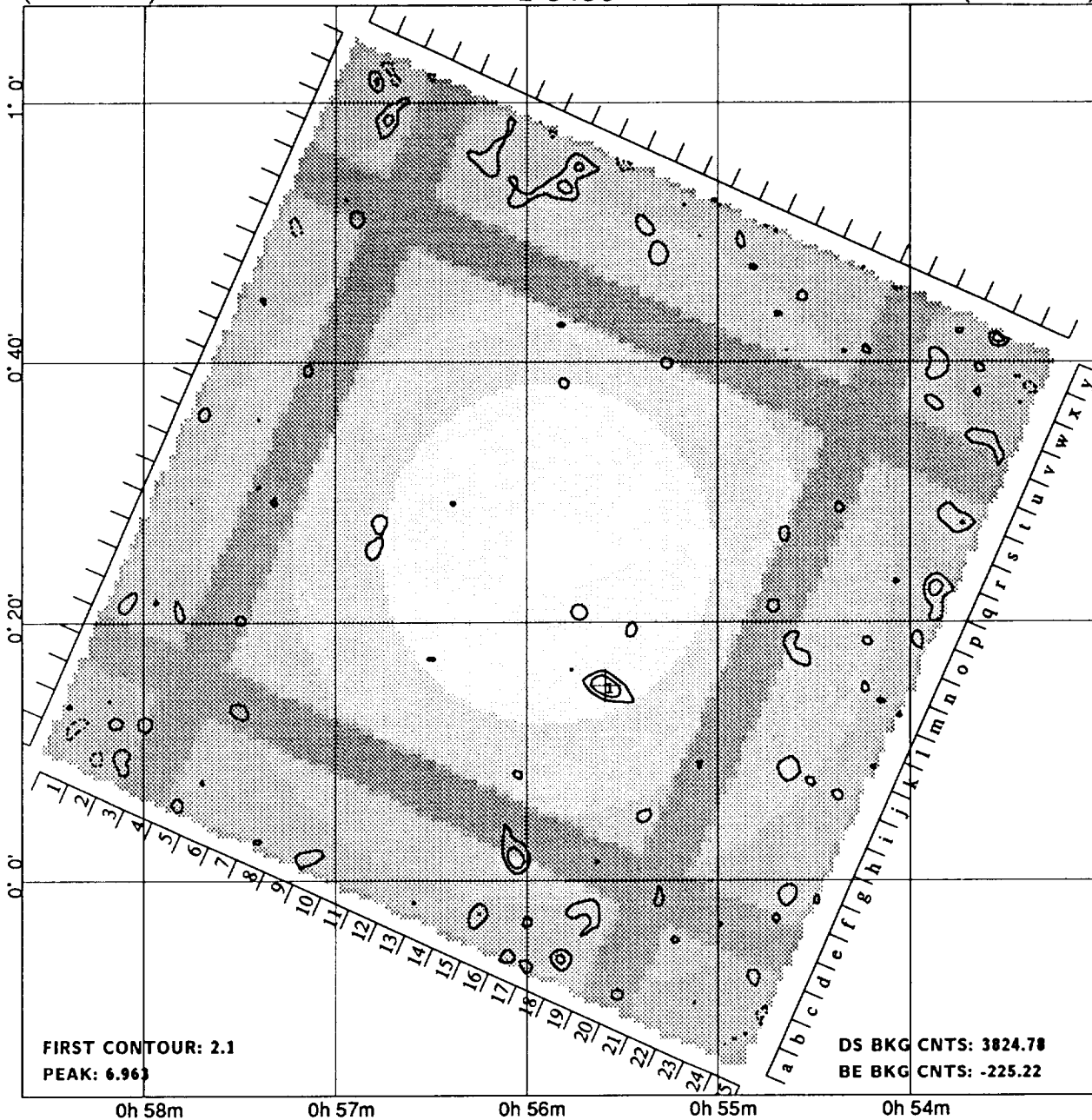
DATE: 1981/ 40 - 1981/ 40
LIVETIME: 1685.2s
ROLL ANGLE: 124.3°

NH: $5.9E+20$
REF/ID:
FIELD FLAGS:

(0h 55m)

I 8456

(0h 55m)



FIRST CONTOUR: 2.1
PEAK: 6.963

DS BKG CNTS: 3824.78
BE BKG CNTS: -225.22

OPTICALLY SELECTED QSO'S: MCS 294

FIELD CENTER: 00^h55^m50.0^s 00°25'23" (B1950)
00^h58^m23.9^s 00°41'35" (J2000)
l: 126.66 b: -62.13

DATE: 1980/171 - 1980/172
LIVETIME: 3099.3s
ROLL ANGLE: -66.0°

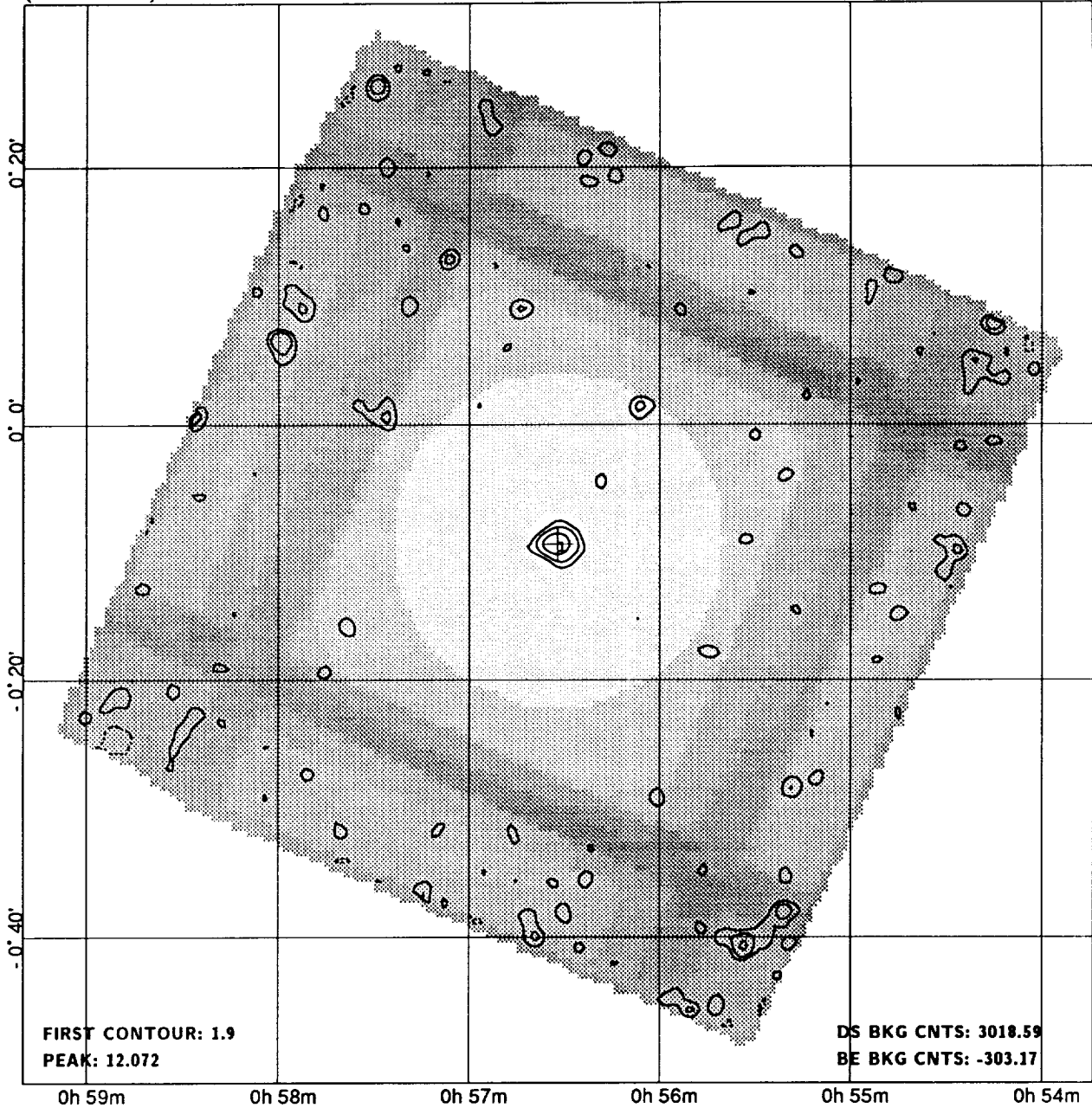
NH: 3.2E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID FLG
236	1	00 55 35.3	00 15 07	42	0.0122	0.0028	24.6	8.4	4.3	0.9	0	11.0		

(0h 56m)

I 3995

(0h 56m)



0056-001, OPTICALLY-QUIET COMPACT RADIO SOURCE

FIELD CENTER: 00^h56^m31.8^s -00°09'17" (B1950)
 00^h59^m05.6^s 00°06'52" (J2000)
 l : 127.11 b : -62.70

DATE: 1979/181 - 1979/354
 LIVETIME: 2446.0s

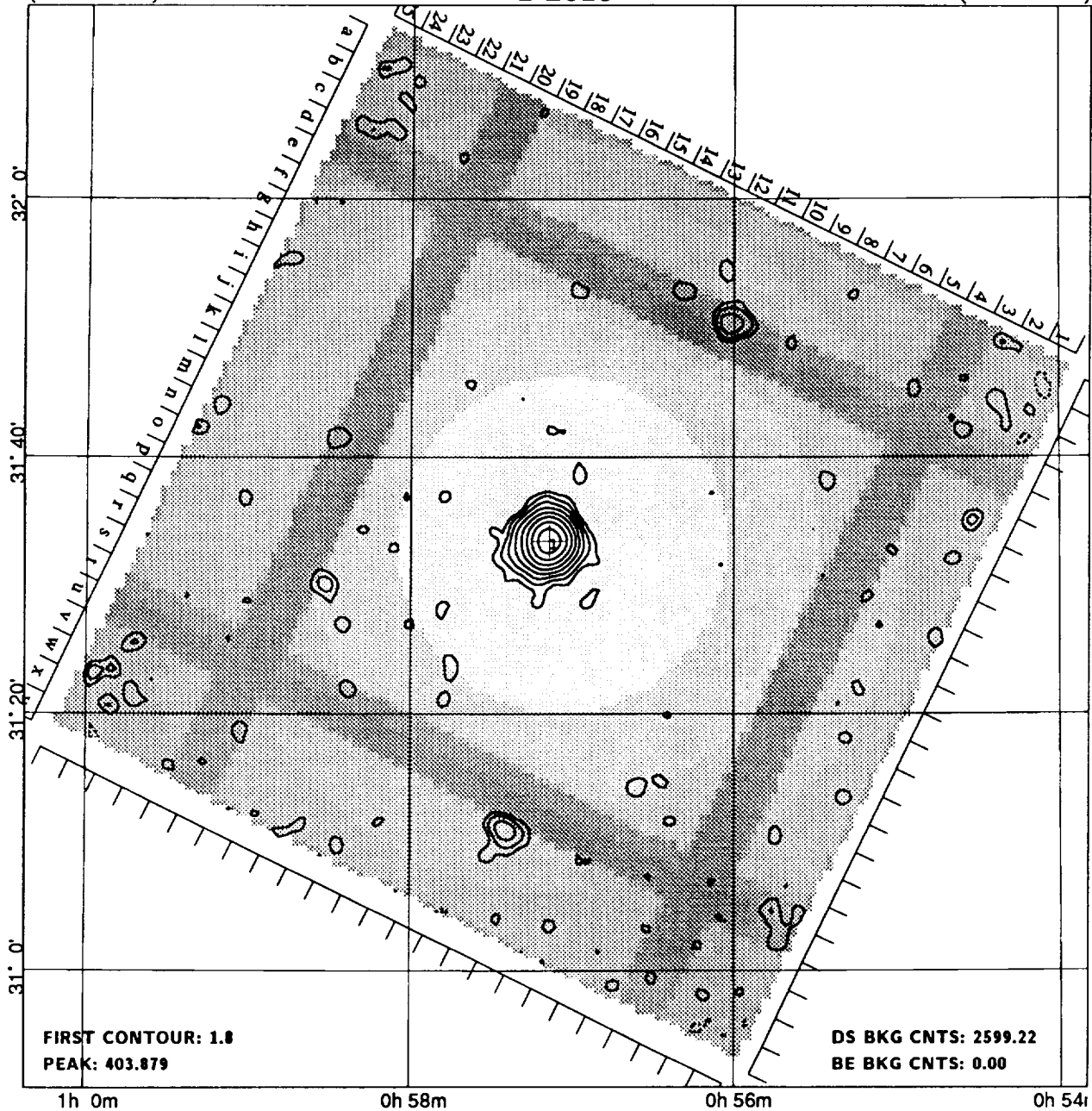
NH: 3.2E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
241	1	00 56 32.2	-00 09 17	35	0.0276	0.0041	50.5	6.5	6.7	1.0	0	0.4	H

(0h 57m)

I 2619

(0h 57m)



SEYFERT GALAXY SURVEY: MKN 352

FIELD CENTER: $00^h 57^m 06.0^s$ $31^\circ 32' 59''$ (B1950)
 $00^h 59^m 50.2^s$ $31^\circ 49' 09''$ (J2000)
 $l: 125.01$ $b: -31.02$

DATE: 1980/ 11 - 1980/ 11
 LIVETIME: 2106.2s
 ROLL ANGLE: 116.0°

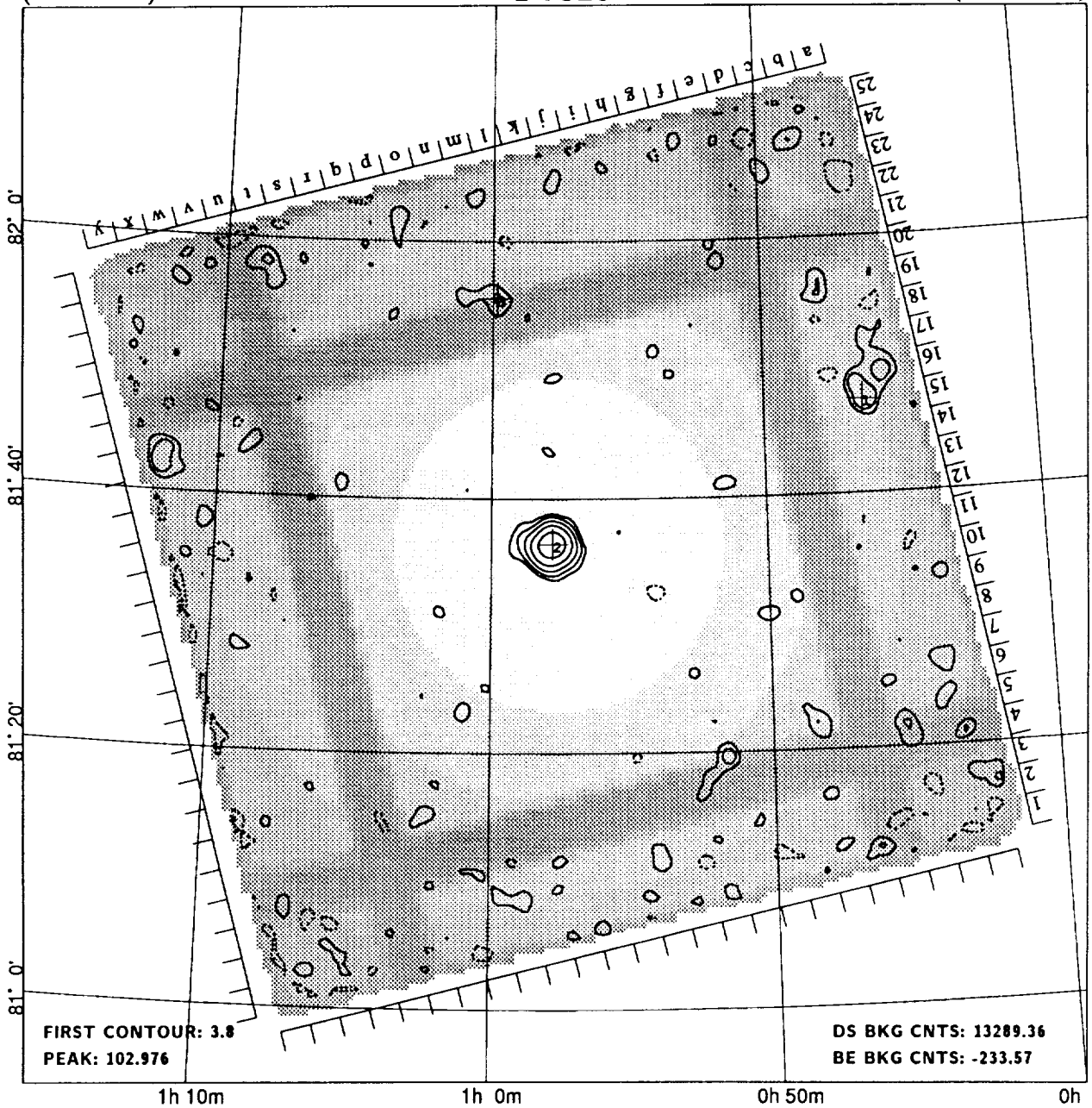
NH: $5.6E+20$
 REF/ID: !
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
244	1L	00 57 08.4	31 33 26	31	0.979	0.029	1531.3	122.7	33.4	1.2	0	0.7	SY	

(0h 57m)

I 7326

(0h 57m)



U CEP, ALGOL-LIKE SYSTEM

FIELD CENTER: 00^h57^m40.0^s 81°36'26" (B1950)
 01^h02^m12.8^s 81°52'34" (J2000)
 l : 123.33 b : 19.01

DATE: 1980/ 80 - 1980/ 82
 LIVETIME: 11155.4s
 ROLL ANGLE: 166.2°

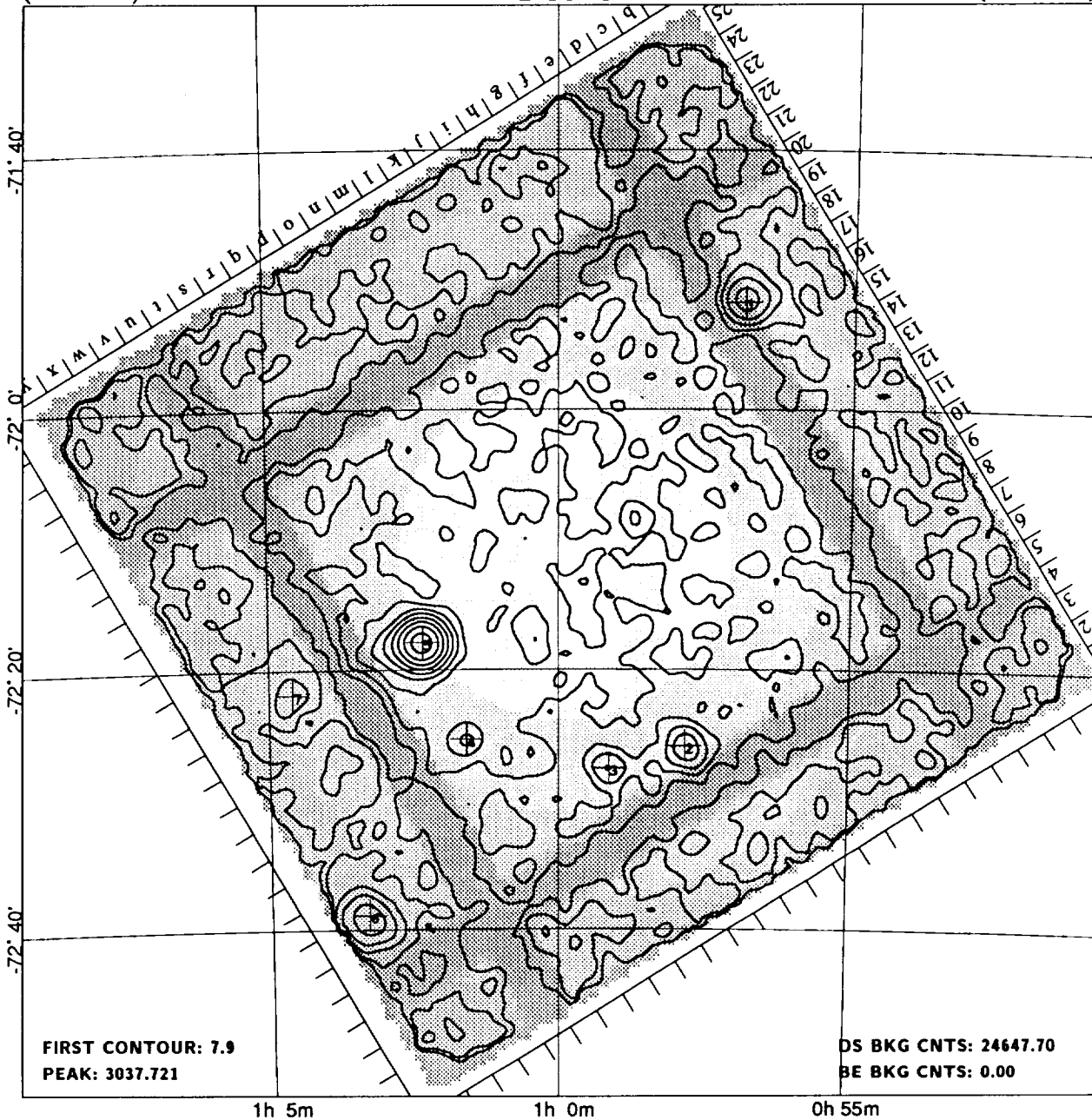
NH: 1.5E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
193	1	00 46 22.3	81 47 17	53	0.0080	0.0017	36.2	22.8	4.7	1.6	0	26.8	H
246	2	00 57 47.3	81 36 28	31	0.0545	0.0026	452.8	32.2	20.6	1.2	0	0.4	H S
249	3	00 59 51.4	81 55 33	61	*0.0040	0.0011	23.0	18.0	3.6	0.9	906	19.9	

(1h 0m)

I 3925

(1h 0m)



HOT PLASMA IN SMC, POSITION 1

FIELD CENTER: 01^h00^m00.0^s -72°10'58" (B1950)
 01^h01^m39.7^s -71°54'50" (J2000)
 ℓ : 301.81 b : -45.19

DATE: 1979/317 - 1979/317
 LIVETIME: 19972.7s
 ROLL ANGLE: 148.7°

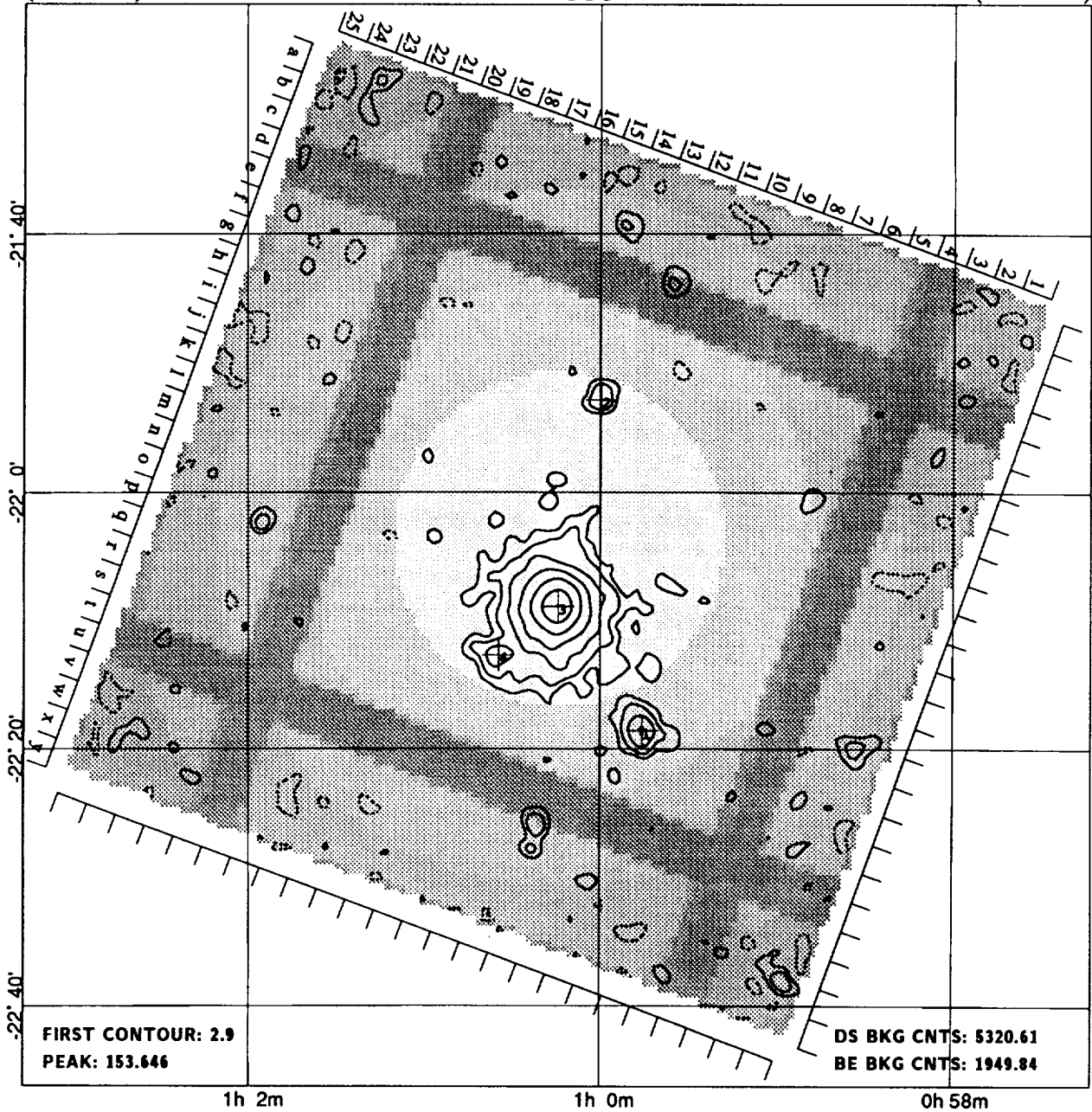
NH: 4.7E+20
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
243	1L	00 56 50.1	-71 51 45	47	*0.0423	0.0052	380.2	165.8	8.0	70.1	906	24.2		
245	2L	00 57 48.6	-72 25 53	47	0.0235	0.0021	256.8	115.2	10.9	126.2	300	18.0	A	†
247	3L	00 59 07.3	-72 27 38	48	0.0144	0.0017	161.0	87.0	8.4	209.7	0	17.1	A	*
259	4L	01 01 35.4	-72 25 20	48	0.0112	0.0018	127.6	142.4	6.2	188.3	0	16.1		*
261	5L	01 02 20.5	-72 17 51	37	0.7759	0.0092	9607.6	683.4	84.4	4.9	0	12.8	A	SNR
267	6L	01 03 18.4	-72 38 52	47	0.0427	0.0041	270.8	189.2	10.2	60.8	0	31.6	A	*
273	7L	01 04 35.8	-72 21 52	50	0.0092	0.0020	81.5	111.5	4.6	210.3	0	23.6		

(1h 0m)

I 2333

(1h 0m)



SOUTHERN HEMISPHERE SURVEY :4U0103-21=A133

FIELD CENTER: 01^h00^m14.4^s -22°04'11" (B1950)
 01^h02^m41.0^s -21°48'05" (J2000)
 l : 149.19 b : -84.09

DATE: 1979/350 - 1979/350
 LIVETIME: 4311.5s
 ROLL ANGLE: 110.2°

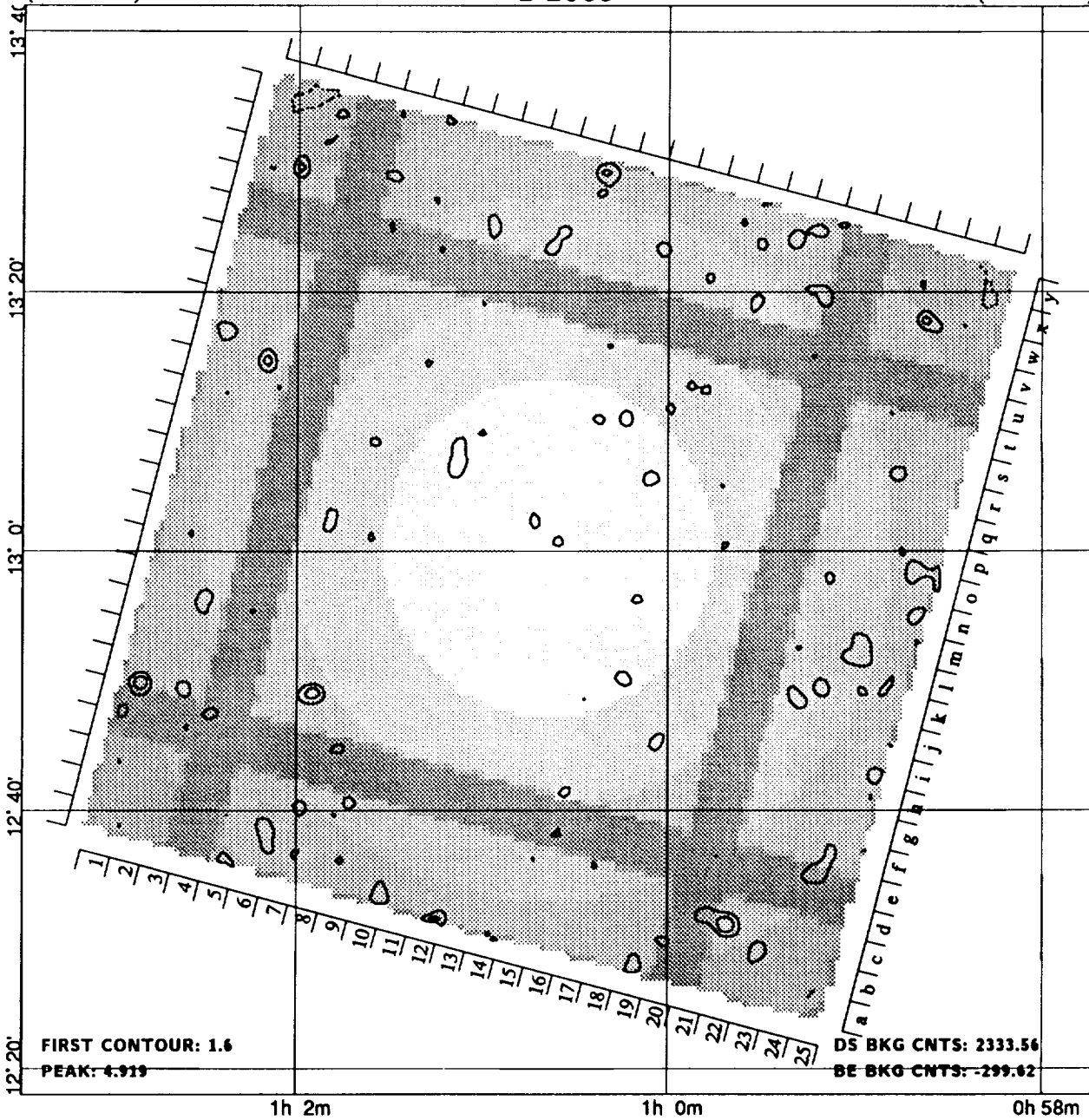
NH: 1.6E+20
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
248	1L	00 59 45.5	-22 18 36	50	0.0197	0.0045	48.5	33.5	4.3	1.3	0	15.8		
250	2L	00 59 59.6	-21 52 47	41	0.0168	0.0031	46.9	11.1	5.2	0.8	0	11.9	S	
251	3L	01 00 14.4	-22 08 51	31	0.147	0.011	451.8	271.2	13.9	2.8	0	4.7	CLG	
252	4L	01 00 34.7	-22 12 39	41	0.0174	0.0039	49.8	36.2	4.3	27.8	0	9.8		

(1h 0m)

I 2009

(1h 0m)



PHL 957: STUDY, QUASARS,

FIELD CENTER: $01^{\text{h}}00^{\text{m}}36.0^{\text{s}}$ $12^{\circ}59'59''$ (B1950)
 $01^{\text{h}}03^{\text{m}}13.9^{\text{s}}$ $13^{\circ}16'05''$ (J2000)
 $l: 127.35$ $b: -49.50$

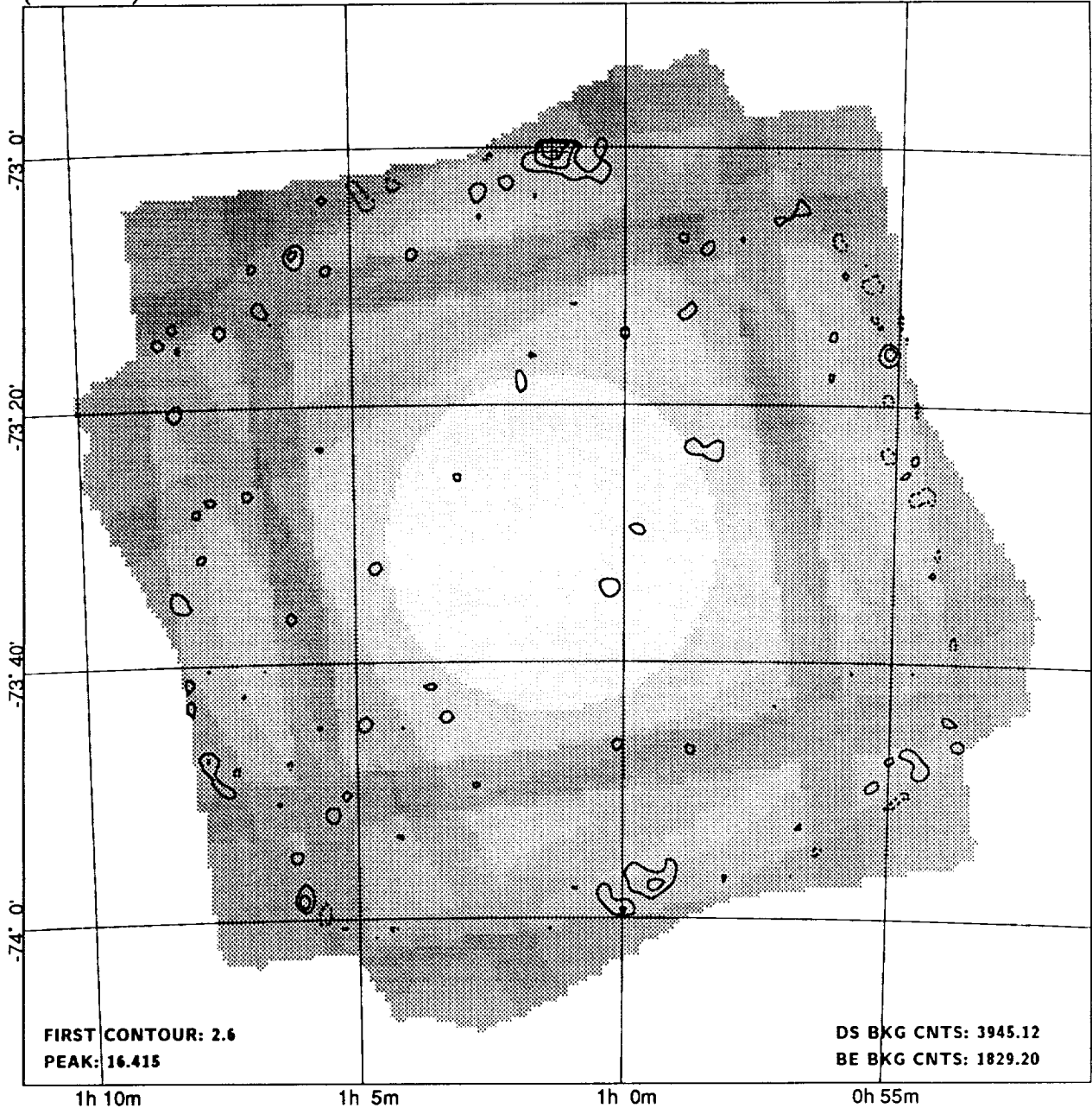
DATE: 1979/178 - 1979/178
 LIVETIME: 1890.9s
 ROLL ANGLE: -75.4°

NH: $4.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(1h 1m)

I 618

(1h 1m)



SMC SURVEY

FIELD CENTER: $01^h 01^m 13.6^s$ $-73^\circ 30' 55''$ (B1950)
 $01^h 02^m 47.5^s$ $-73^\circ 14' 49''$ (J2000)
 $l: 301.80$ $b: -43.86$

DATE: 1979/122 - 1980/105
 LIVETIME: 3196.8s

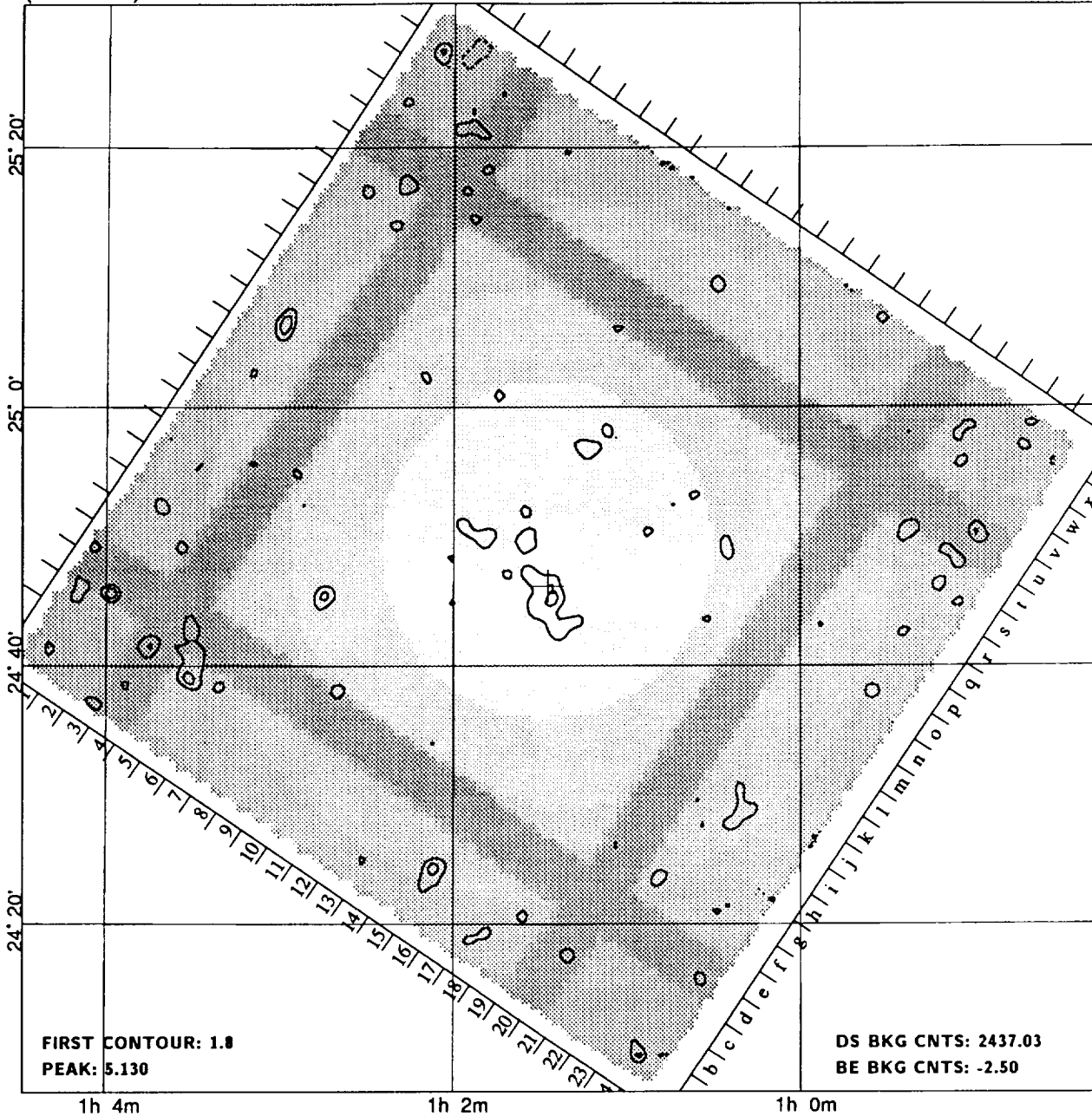
NH: $6.9E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
255	1	01 01 20.1	-73 00 23	51	*0.0370 0.0070	33.7	7.3	5.3	1.3	803	30.5	AEH *

(1h 1m)

I 1818

(1h 1m)



X-RAY STUDY OF CLUSTERS OF GALAXIES: A136

FIELD CENTER: $01^h 01^m 24.0^s$ $24^\circ 48' 59''$ (B1950)
 $01^h 04^m 06.2^s$ $25^\circ 05' 04''$ (J2000)
 $l: 126.56$ $b: -37.70$

DATE: 1979/211 - 1979/211
 LIVETIME: 1974.8s
 ROLL ANGLE: -56.1°

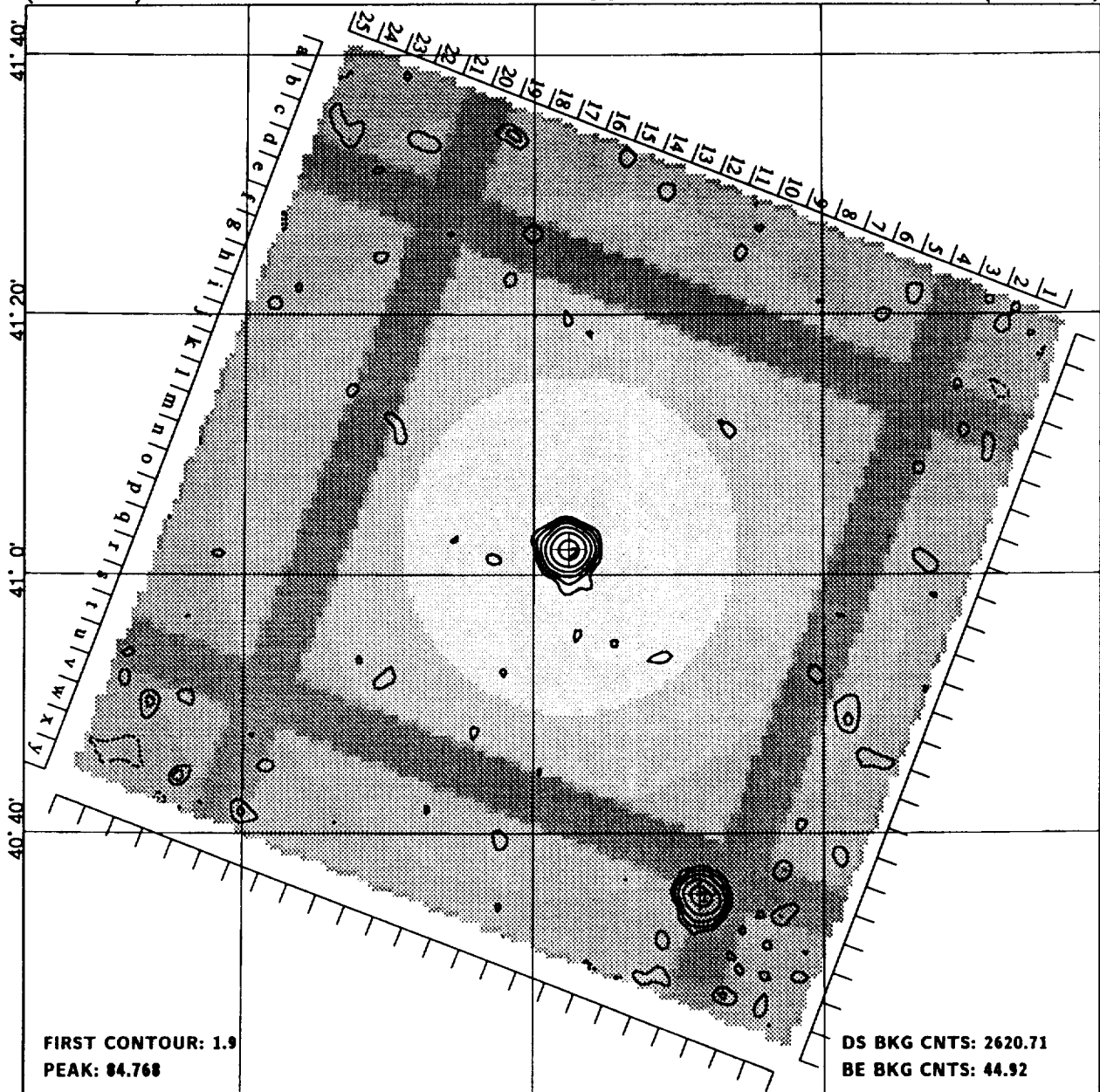
NH: $5.4E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
257	1	01 01 27.3	24 46 06	41	0.0122	0.0035	17.6	7.4	3.5	1.5	0	4.0	H	CLG

(1h 1m)

I 2255

(1h 1m)



STELLAR SURVEY-CATAclysmic VARIABLES: RX AND

FIELD CENTER: $01^h 01^m 48.0^s$ $41^\circ 01' 58''$ (B1950)
 $01^h 04^m 37.7^s$ $41^\circ 18' 02''$ (J2000)
 $l: 125.59$ $b: -21.50$

DATE: 1980/ 11 - 1980/ 11
 LIVETIME: 2123.6s
 ROLL ANGLE: 111.0°

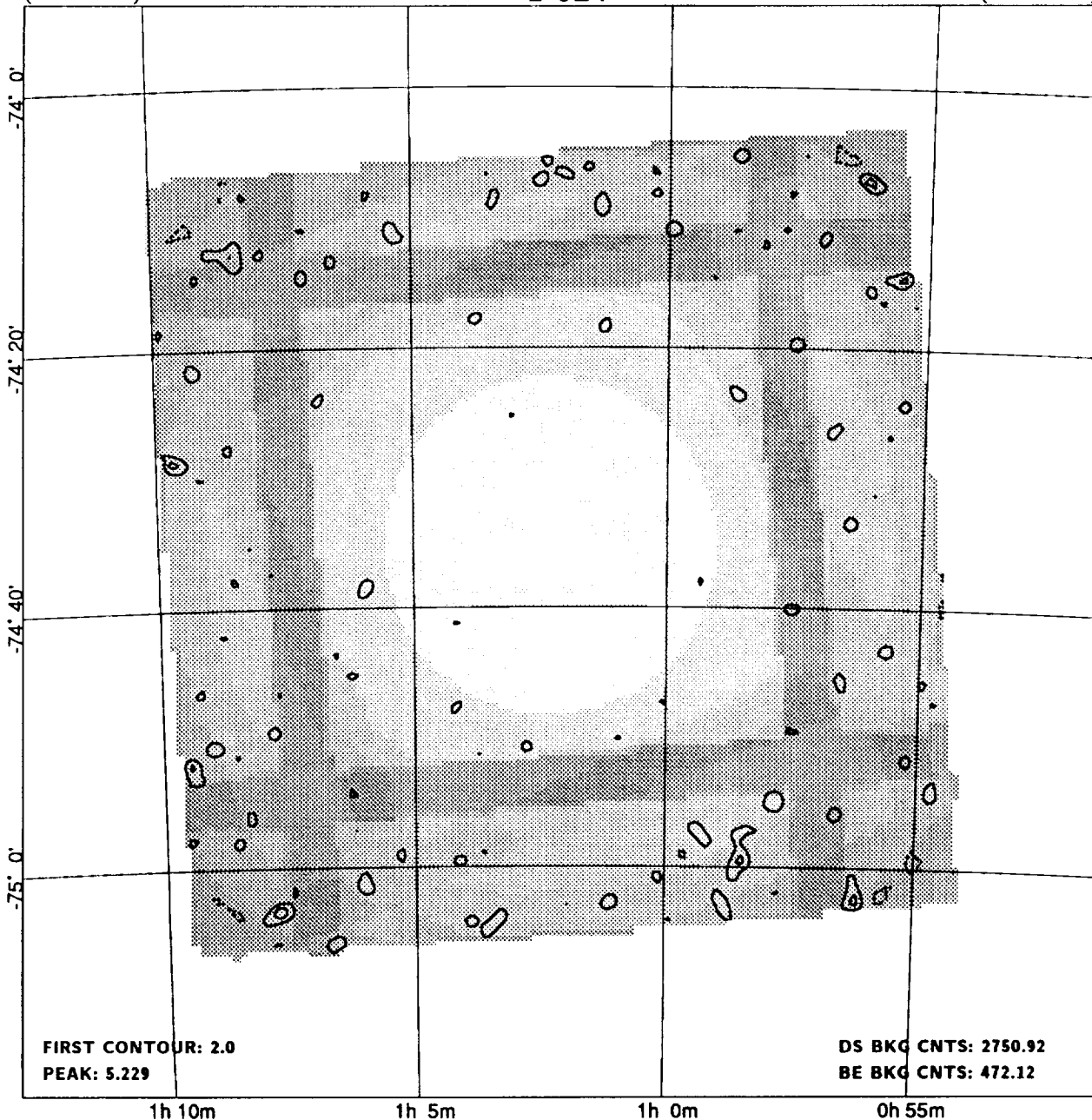
NH: $6.4E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
254	1	01 00 51.2	40 35 20	48	*0.115	0.012	90.2	2.8	9.4	1.2	1207	29.0	H	
260	2	01 01 45.4	41 01 57	31	0.225	0.012	356.7	6.3	18.7	1.1	0	0.4	H	CV

(1h 2m)

I 624

(1h 2m)



FIRST CONTOUR: 2.0
 PEAK: 5.229

DS BKG CNTS: 2750.92
 BE BKG CNTS: 472.12

1h 10m

1h 5m

1h 0m

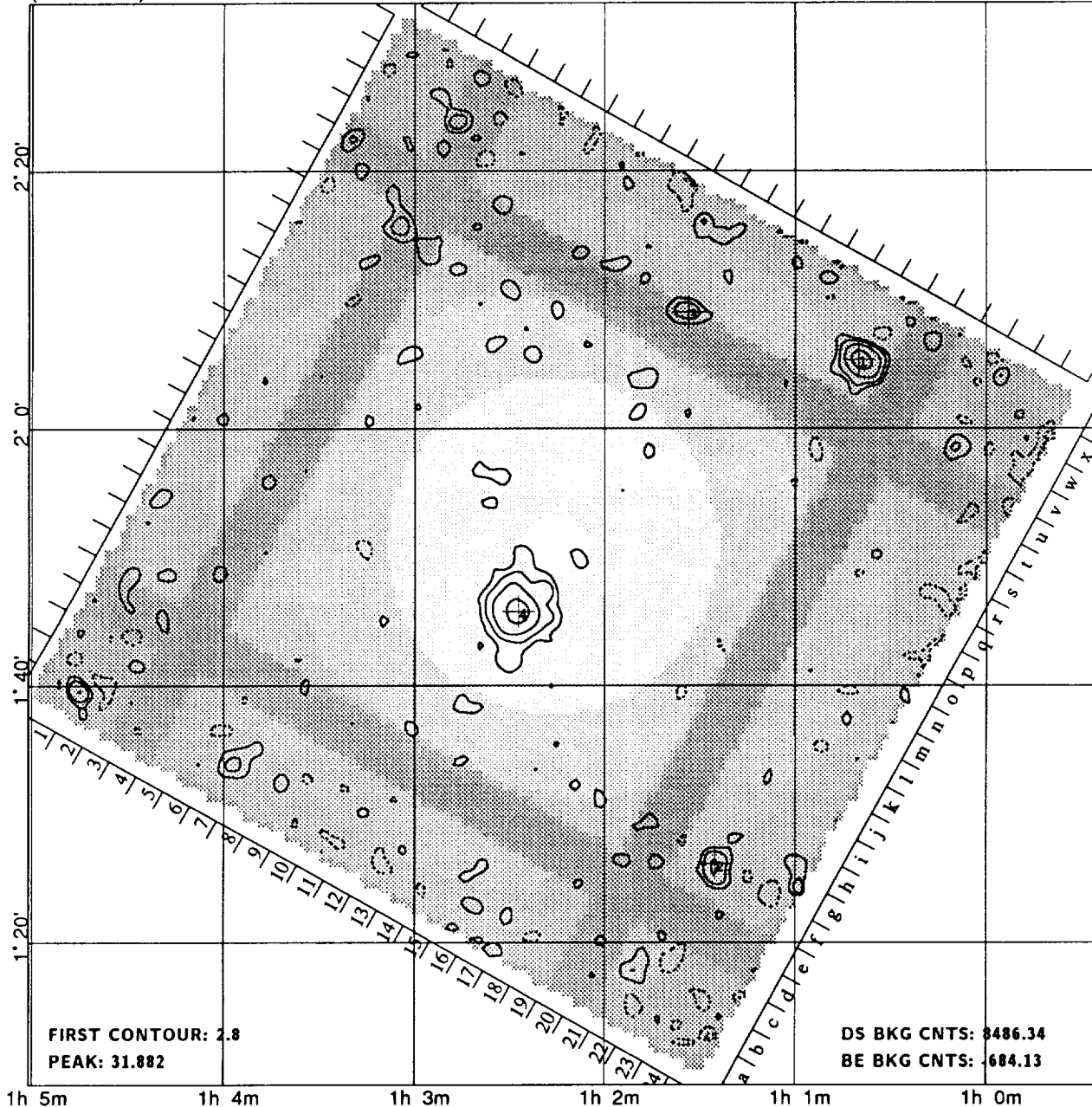
0h 55m

SMC SURVEY

FIELD CENTER: $01^h 02^m 07.5^s$ $-74^\circ 35' 47''$ (B1950)
 $01^h 03^m 36.2^s$ $-74^\circ 19' 42''$ (J2000)
 $l: 301.81$ $b: -42.77$

DATE: 1979/122 - 1980/105
 LIVETIME: 2229.2s

NH: $4.9E+20$
 REF/ID:
 FIELD FLAGS:



X-RAY SURVEY OF NORMAL GALAXIES: IC 1613

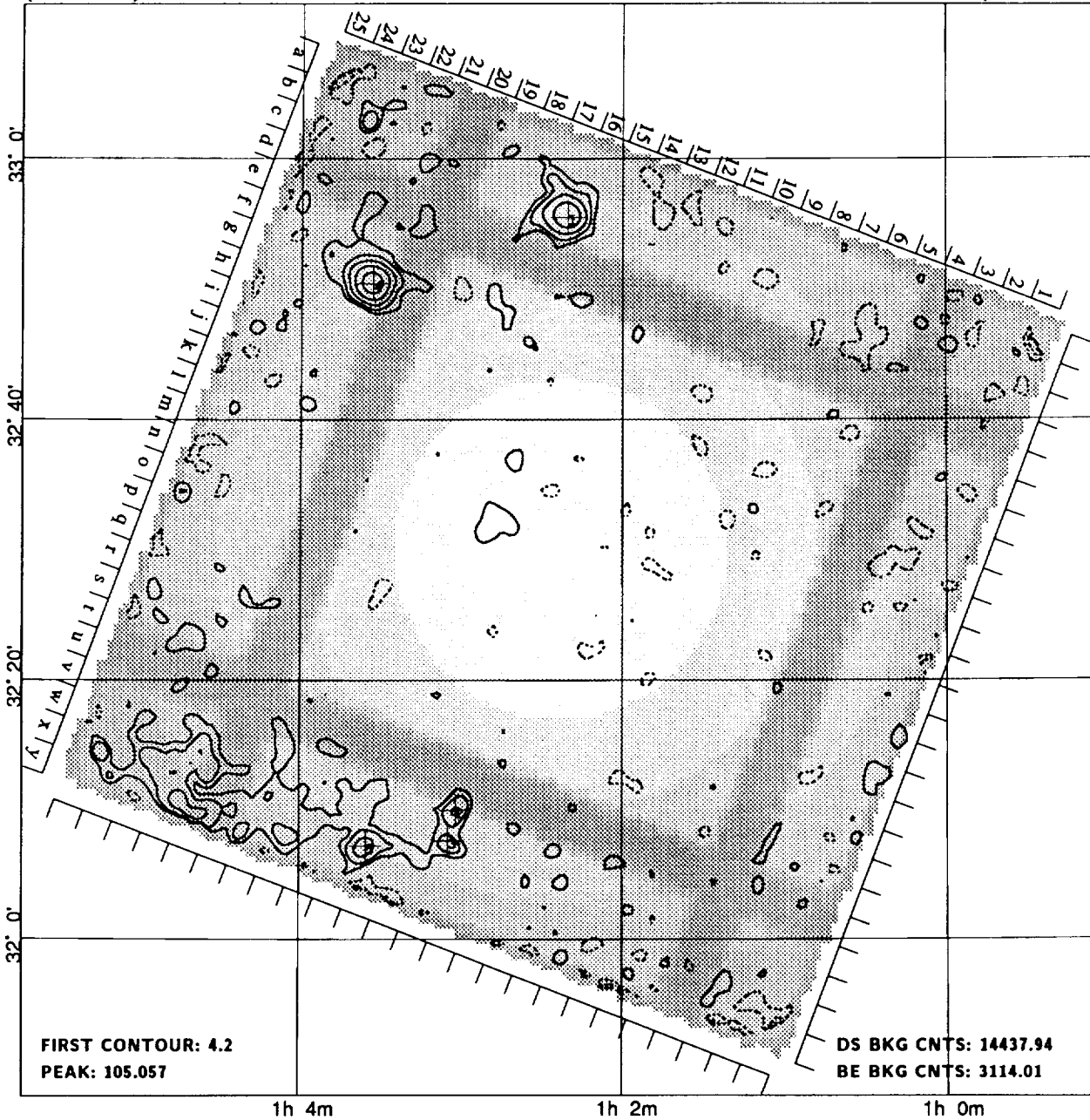
FIELD CENTER: $01^h 02^m 13.0^s$ $01^\circ 50' 59''$ (B1950) DATE: 1979/202 - 1979/202 NH: $2.8E+20$
 $01^h 04^m 47.4^s$ $02^\circ 07' 04''$ (J2000) LIVETIME: 6876.7s REF/ID:
 $l: 129.73$ $b: -60.58$ ROLL ANGLE: -60.9° FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
253	1	01 00 40.0	02 05 21	50	0.0214	0.0032	56.2	12.8	6.8	1.2	0	27.3	H Q
256	2	01 01 25.1	01 26 04	53	0.0093	0.0024	24.6	14.4	3.9	0.9	0	27.6	
258	3	01 01 33.5	02 09 00	54	*0.0068	0.0017	23.0	9.0	4.1	0.7	907	20.5	
263	4	01 02 27.3	01 45 50	38	0.0274	0.0025	133.5	19.5	10.8	2.1	0	6.1	H

(1h 2m)

I 1759

(1h 2m)



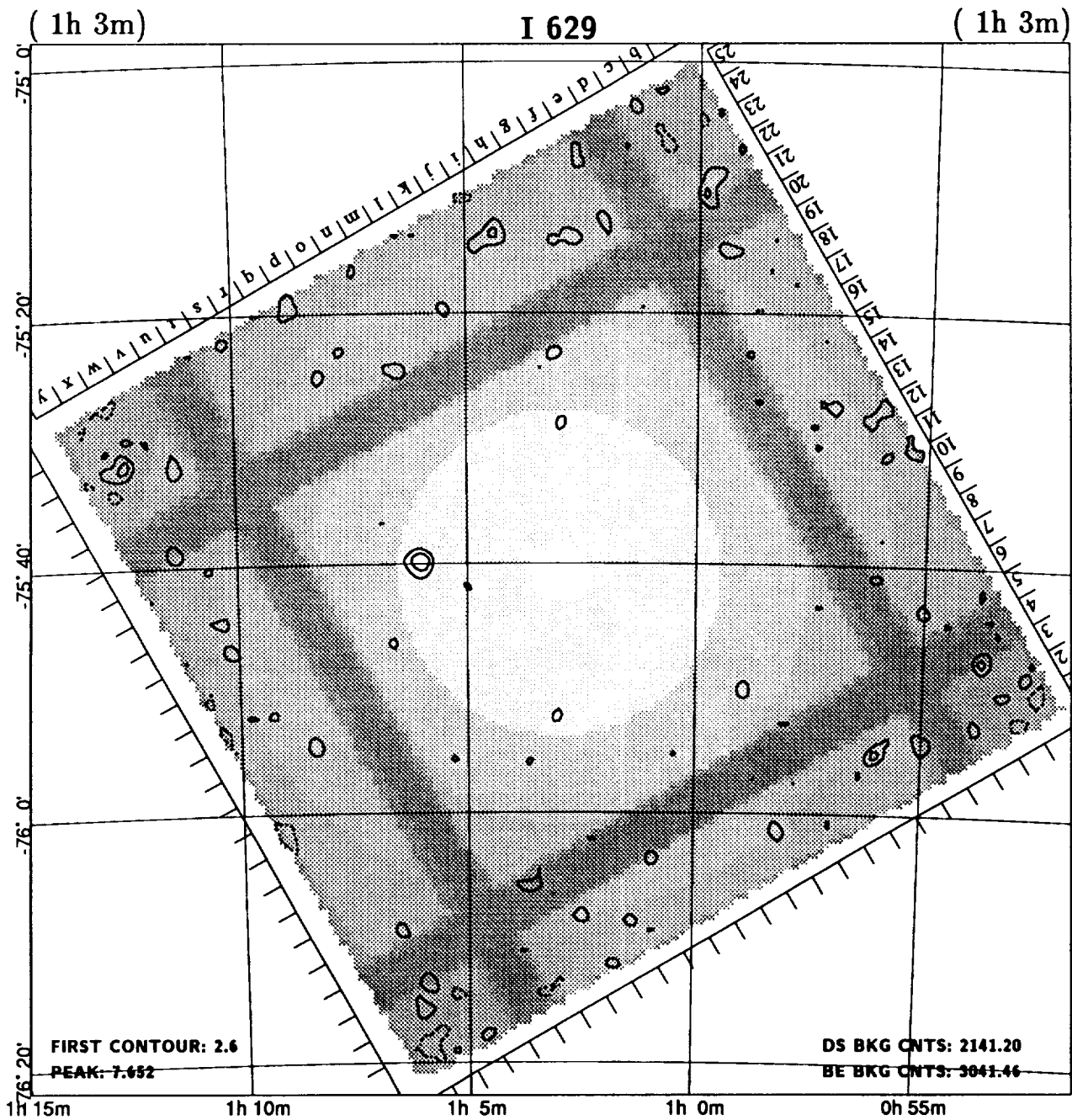
LOCAL SUPERCLUSTER TARGET

FIELD CENTER: 01^h02^m24.0^s 32°29'59" (B1950)
 01^h05^m09.5^s 32°46'03" (J2000)
 l : 126.26 b : -30.02

DATE: 1979/ 8 - 1979/ 8
 LIVETIME: 11699.5s
 ROLL ANGLE: 110.8°

NH: 5.4E+20
 REF/ID:
 FIELD FLAGS: D

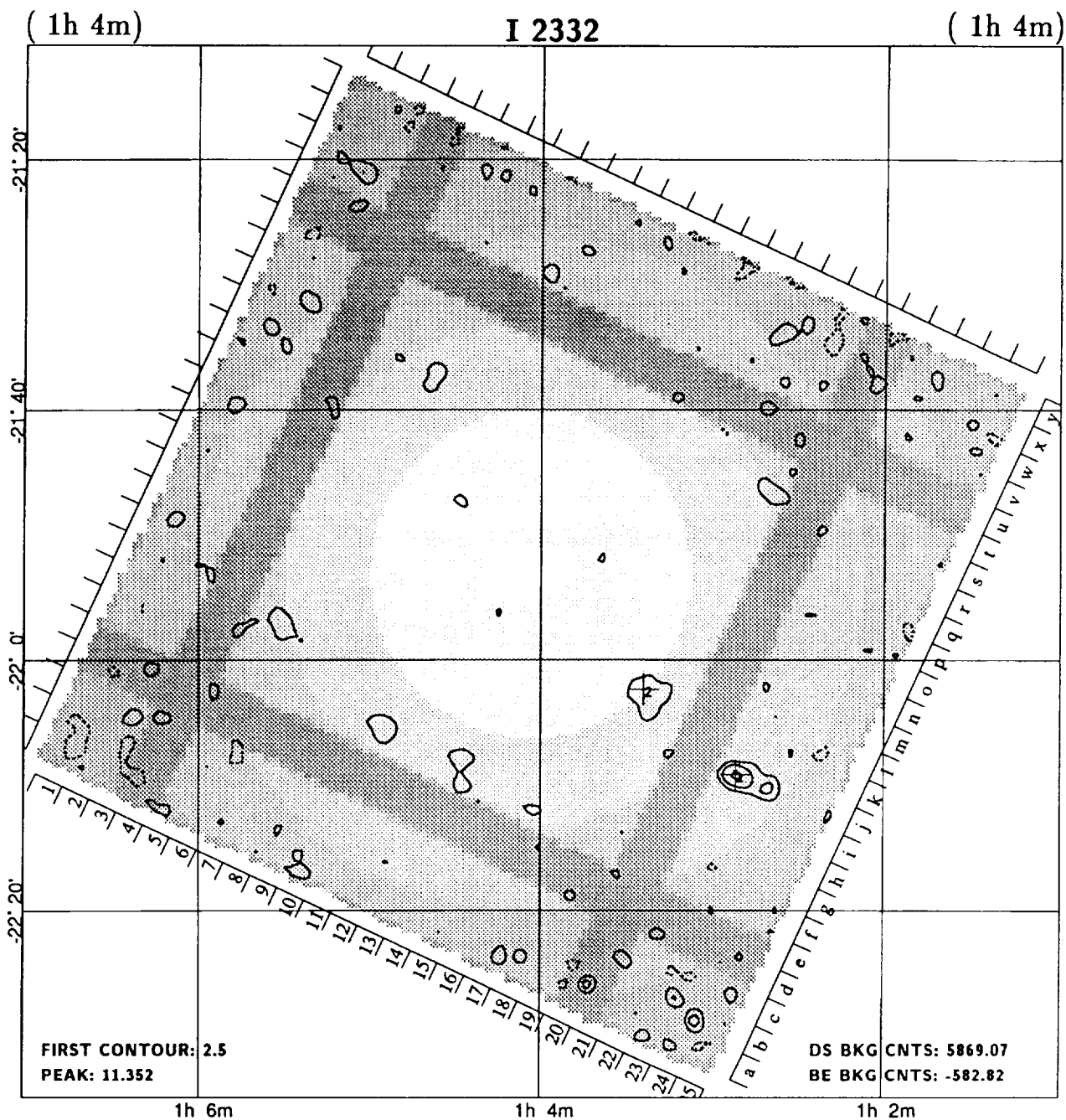
CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
262	1	01 02 20.5	32 55 33	48	0.0299	0.0027	148.0	31.0	11.1	1.4	200	25.8	H
265	2	01 03 01.9	32 09 57	51	*0.0076	0.0014	42.9	24.1	5.2	13.2	805	21.5	
266	3	01 03 04.7	32 07 37	55	0.0059	0.0015	30.6	33.4	3.8	17.2	0	23.9	
269	4	01 03 33.3	32 50 29	47	*0.0436	0.0031	217.4	25.6	13.9	1.3	703	24.9	H
270	5	01 03 35.4	32 07 12	50	0.0110	0.0020	50.4	32.6	5.5	9.5	0	27.5	AH S



FIELD CENTER: $01^h 03^m 09.3^s$ $-75^\circ 40' 39''$ (B1950)
 $01^h 04^m 31.8^s$ $-75^\circ 24' 35''$ (J2000)
 $l: 301.83$ $b: -41.69$

DATE: 1979/316 - 1979/316
LIVETIME: 1735.1s
ROLL ANGLE: 150.2°

NH: $3.8E+20$
REF/ID:
FIELD FLAGS: L



SOUTHERN HEMISPHERE SURVEY :4U0103-21=A133

FIELD CENTER: 01^h04^m00.0^s -21°52'59" (B1950)
 01^h06^m26.3^s -21°36'57" (J2000)
 l : 155.51 b : -83.52

DATE: 1979/179 - 1979/179
 LIVETIME: 4755.9s
 ROLL ANGLE: -65.2°

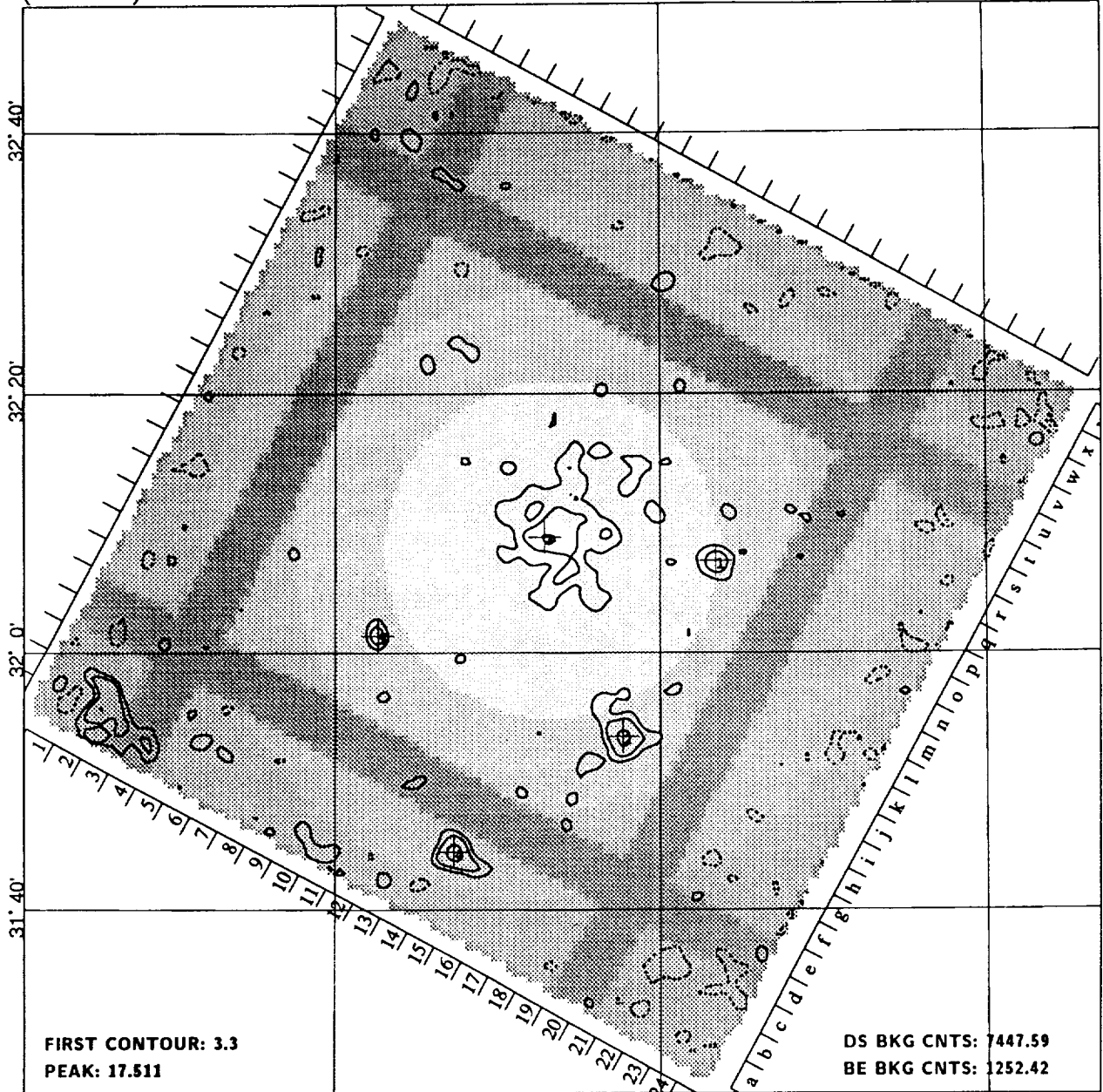
NH: 1.5E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
264	1	01 02 51.4	-22 09 08	51	0.0115	0.0027	25.2	8.8	4.3	1.1	200	23.0	H
268	2	01 03 23.9	-22 02 19	48	0.0065	0.0018	19.3	9.7	3.6	1.1	0	12.5	H

(1h 4m)

I 6308

(1h 4m)



3C 31, RADIO GALAXIES W/PROMINENT RADIO JETS

FIELD CENTER: $01^h 04^m 36.0^s$ $32^\circ 07' 59''$ (B1950)
 $01^h 07^m 21.7^s$ $32^\circ 24' 00''$ (J2000)
 $l: 126.83$ $b: -30.35$

DATE: 1980/212 - 1980/212
 LIVETIME: 6251.7s
 ROLL ANGLE: -61.6°

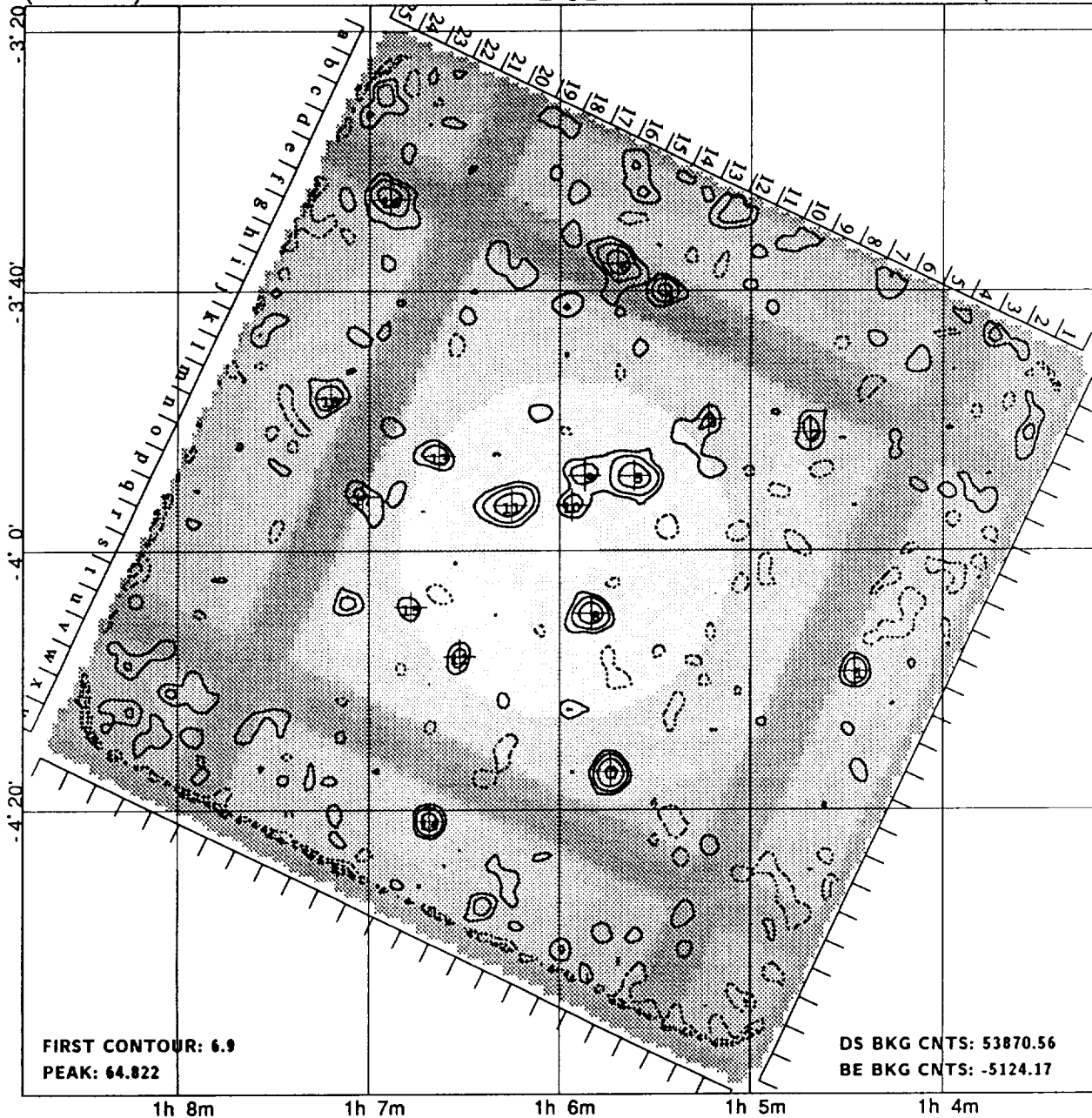
NH: $5.6E+20$
 REF/ID:
 FIELD FLAGS: D

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID FLG
270	1	01 03 39.5	32 07 03	42	0.0081	0.0018	31.8	17.2	4.5	0.8	0	12.2	AH	S
271	2	01 04 13.8	31 53 28	50	0.0149	0.0023	54.5	15.5	6.5	1.4	0	15.2	H	*
276	3	01 04 42.8	32 08 54	35	0.0130	0.0019	60.1	19.9	6.7	4.7	0	2.0	H	G
278	4	01 05 16.3	31 44 34	51	0.0158	0.0028	43.2	13.8	5.7	1.1	300	24.6	H	S
285	5	01 05 44.3	32 01 19	52	0.0061	0.0017	22.5	16.5	3.6	0.7	0	16.0	H	

(1h 6m)

I 31

(1h 6m)



CET DEEP SURVEY

FIELD CENTER: 01^h06^m00.0^s -03°59'59" (B1950)
 01^h08^m32.4^s -03°44'00" (J2000)
 l : 133.58 b : -66.25

DATE: 1979/354 - 1979/355
 LIVETIME: 43652.7s
 ROLL ANGLE: 115.5°

NH: 3.5E+20
 REF/ID: *
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
272	1	01 04 27.5	-04 09 17	51	*0.00314	0.00062	60.5	83.5	5.0	0.7	702	24.8	H
275	2	01 04 41.3	-03 50 53	55	0.00259	0.00055	56.1	82.9	4.8	0.8	100	21.5	
277	3	01 05 13.1	-03 49 52	44	0.00186	0.00047	48.2	100.8	3.9	1.5	0	13.6	H
279	4	01 05 26.9	-03 40 02	50	*0.00324	0.00055	69.3	67.7	5.9	0.7	1209	21.7	
281	5	01 05 36.4	-03 54 16	38	0.00661	0.00059	199.2	114.8	11.2	1.9	0	8.1	H
282	6	01 05 41.7	-03 37 54	50	*0.00570	0.00066	117.5	65.5	8.7	1.2	1108	22.8	
284	7	01 05 44.0	-04 17 03	48	0.00681	0.00067	164.0	93.0	10.2	0.9	0	17.4	H
286	8	01 05 50.0	-04 04 54	38	0.00575	0.00057	178.6	134.4	10.1	0.9	0	5.4	H
288	9	01 05 52.1	-03 54 13	41	0.00266	0.00047	82.3	132.7	5.6	4.3	0	6.3	
290	10	01 05 56.1	-03 56 31	32	0.00226	0.00046	71.7	140.3	4.9	5.5	0	3.7	

Source Table cont.

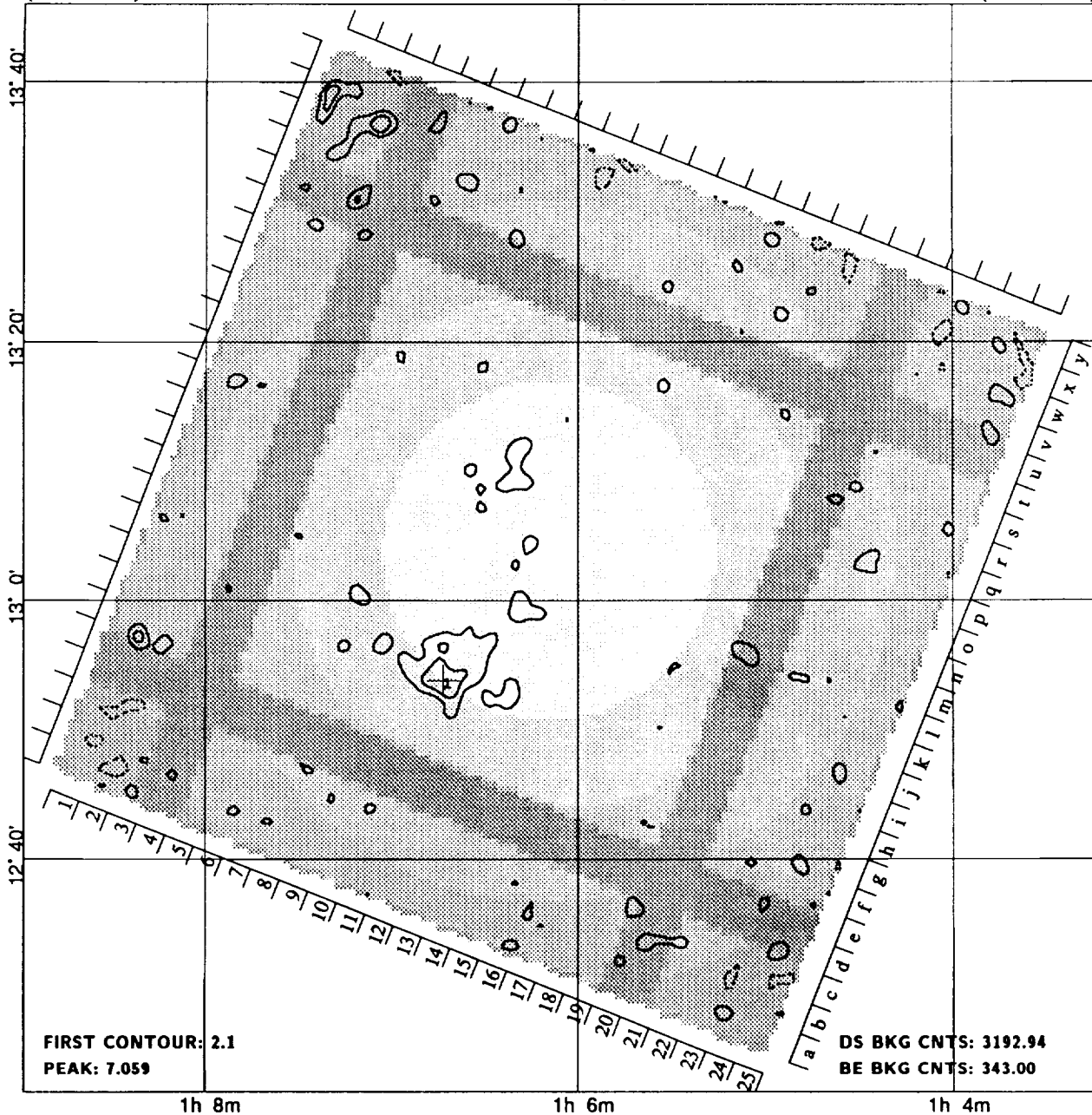
I 31 cont.

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
292	11	01 06 15.1	-03 56 32	38	0.00600	0.00057	186.3	125.7	10.5	1.2	0	5.1	H
293	12	01 06 31.4	-04 08 08	42	0.00177	0.00044	49.7	102.3	4.0	0.6	0	11.5	
294	13	01 06 37.9	-03 52 39	41	0.00214	0.00045	59.2	96.8	4.7	0.7	0	12.0	
295	14	01 06 41.1	-04 20 52	50	0.00438	0.00068	86.8	92.2	6.5	0.8	100	23.1	
297	15	01 06 46.9	-04 04 24	42	0.00161	0.00045	43.7	105.3	3.6	0.5	0	12.7	
298	16	01 06 53.4	-03 32 56	51	*0.00513	0.00078	77.3	61.7	6.6	1.2	905	30.2	H
299	17	01 07 02.0	-03 55 51	56	*0.00162	0.00043	40.1	74.9	3.7	0.9	905	16.0	H
305	18	01 07 12.1	-03 48 14	51	0.00295	0.00059	61.8	89.2	5.0	0.9	200	21.6	

(1h 6m)

I 10766

(1h 6m)



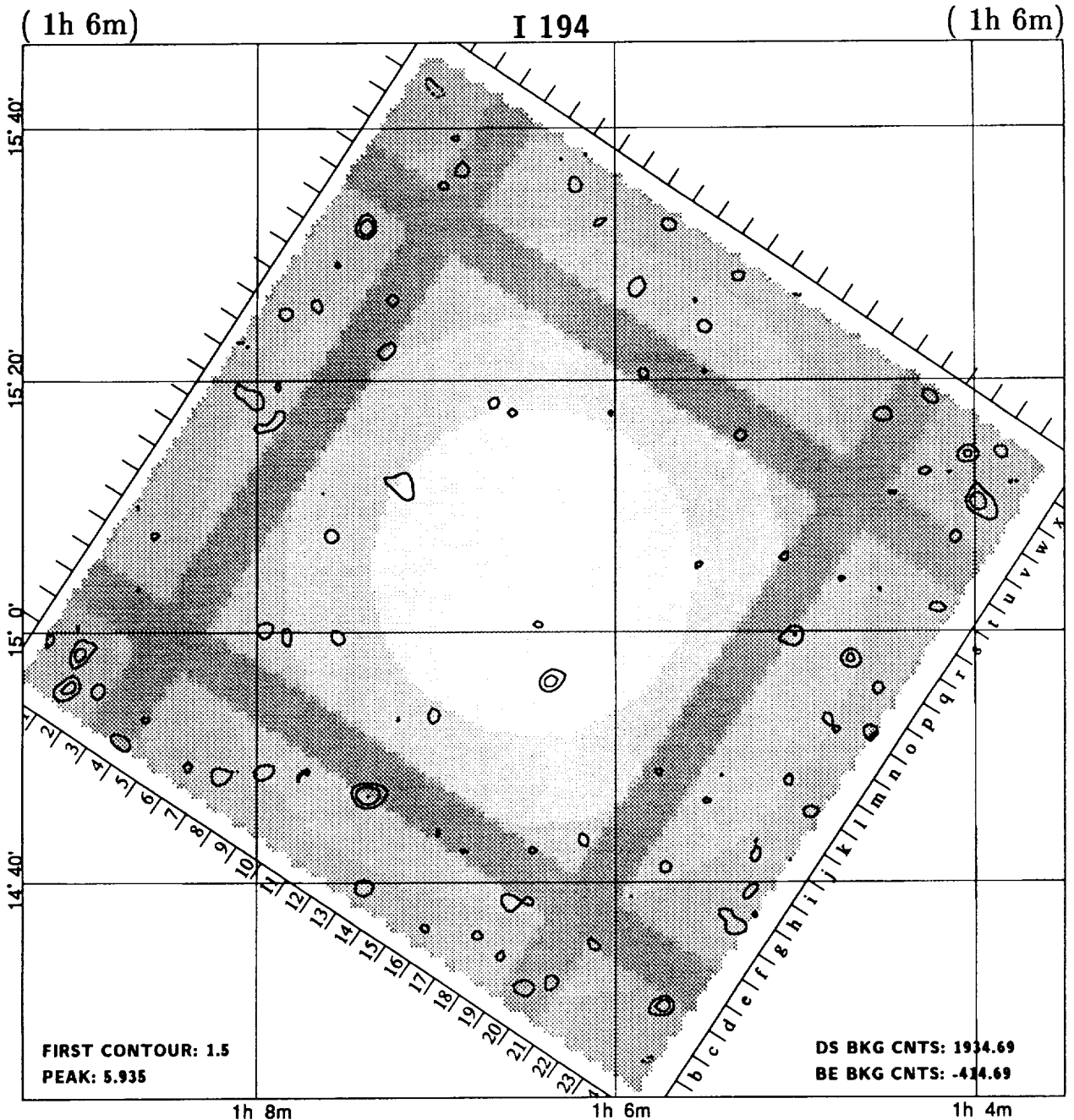
3C 33: OPTICAL OBJECTS IN THE LOBES OF RADIO GALAXIES

FIELD CENTER: $01^{\text{h}}06^{\text{m}}06.0^{\text{s}}$ $13^{\circ}03'59''$ (B1950)
 $01^{\text{h}}08^{\text{m}}44.3^{\text{s}}$ $13^{\circ}19'59''$ (J2000)
 $l: 129.40$ $b: -49.32$

DATE: 1979/183 - 1979/183
 LIVETIME: 2587.3s
 ROLL ANGLE: -68.5°

NH: $3.9\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
296	1	01 06 43.5	12 53 48	42	0.0182	0.0038	29.3	7.7	4.8	2.6	0	13.6	H



FIELD CENTER: $01^{\text{h}}06^{\text{m}}24.0^{\text{s}}$ $15^{\circ}04'48''$ (B1950)
 $01^{\text{h}}09^{\text{m}}03.0^{\text{s}}$ $15^{\circ}20'47''$ (J2000)
 $l: 129.20$ $b: -47.31$

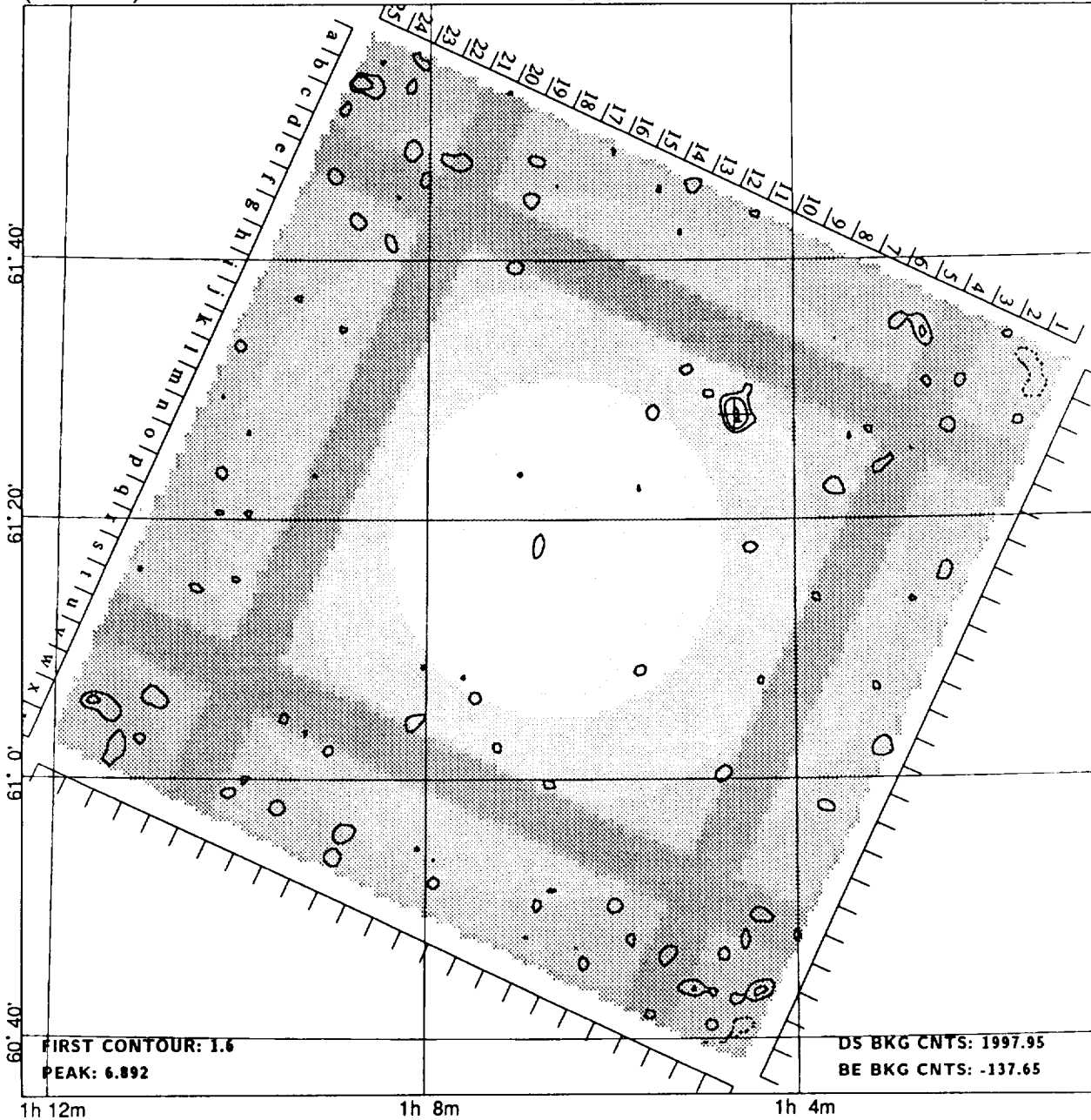
DATE: 1979/203 - 1979/203
LIVETIME: 1567.7s
ROLL ANGLE: -56.5°

NH: $4.1\text{E}+20$
REF/ID:
FIELD FLAGS:

(1h 6m)

I 4538

(1h 6m)



1h 12m

1h 8m

1h 4m

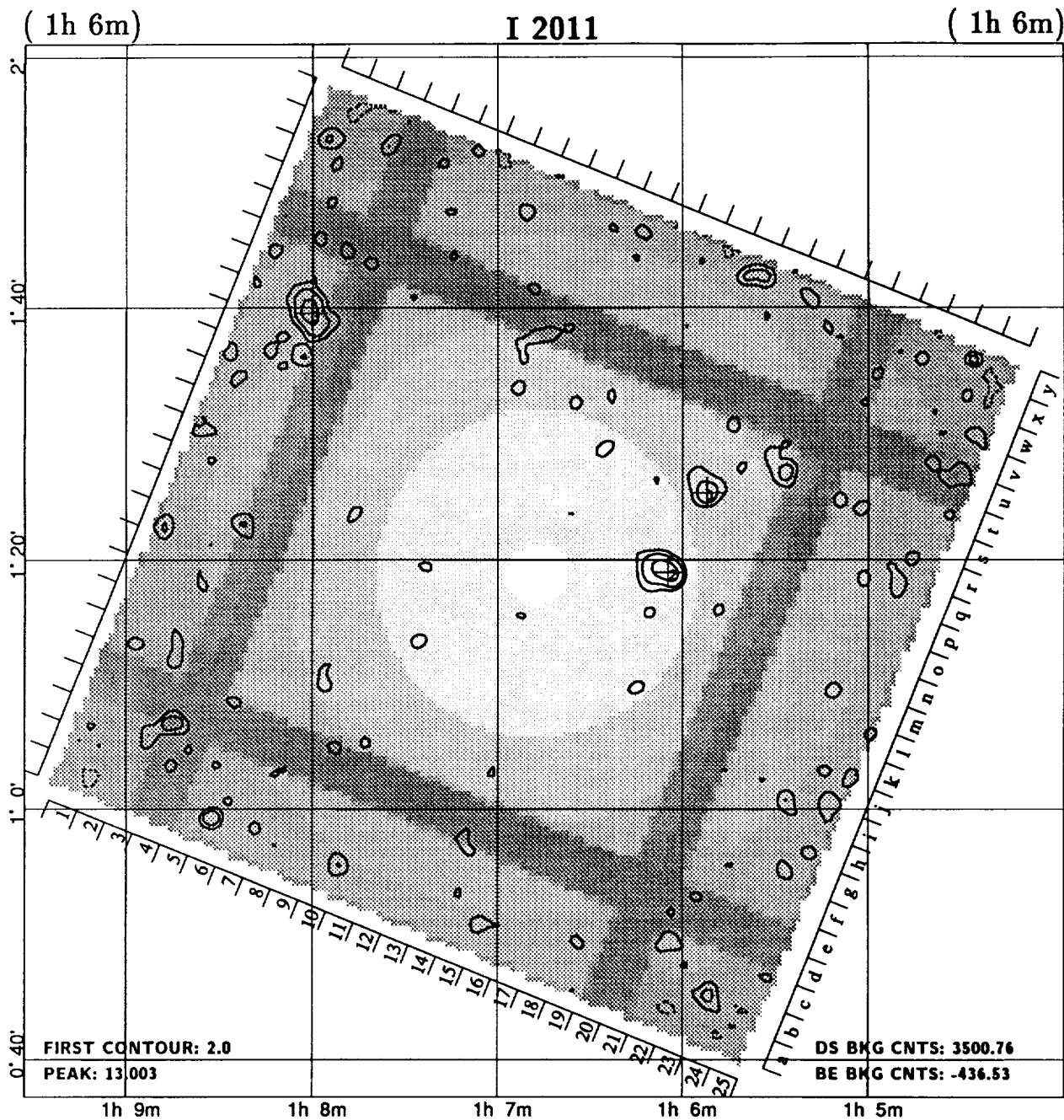
VARIABLE RADIO SOURCE GT 0106+613

FIELD CENTER: $01^h 06^m 34.0^s$ $61^\circ 17' 41''$ (B1950)
 $01^h 09^m 43.7^s$ $61^\circ 33' 39''$ (J2000)
 $l: 125.11$ $b: -1.23$

DATE: 1980/ 23 - 1980/ 23
 LIVETIME: 1619.0s
 ROLL ANGLE: 114.8°

NH: $6.1E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
274	1	01 04 39.0	61 28 04	51	0.0237	0.0056	21.3	3.7	4.3	0.8	0	17.1	H



PKS 0106+01: STUDY, QUASARS

FIELD CENTER: 01^h06^m44.5^s 01°19'01" (B1950)
 01^h09^m18.7^s 01°34'59" (J2000)
 l : 132.17 b : -60.97

DATE: 1980/173 - 1980/173
 LIVETIME: 2836.8s
 ROLL ANGLE: -68.1°

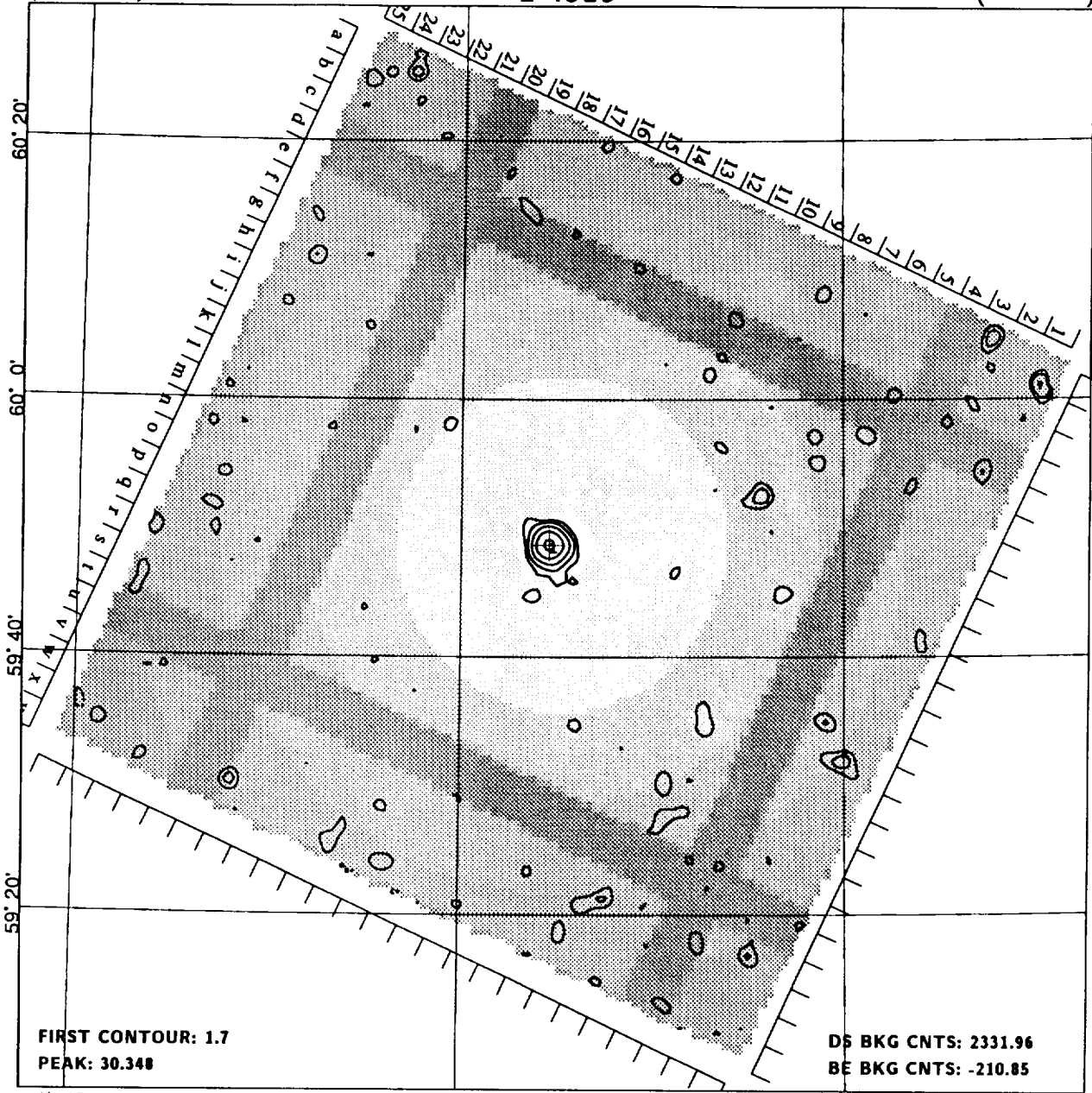
NH: 2.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
287	1	01 05 52.0	01 25 21	46	0.0110	0.0029	18.4	5.6	3.8	0.9	0	14.5	H	
291	2	01 06 04.7	01 19 02	41	0.0225	0.0037	42.0	6.0	6.1	1.1	0	9.7	H	Q
309	3	01 08 00.4	01 39 34	51	*0.0214	0.0048	23.4	4.6	4.4	1.2	401	28.1	H	

(1h 7m)

I 4919

(1h 7m)



CATAclysmic VARIABLE STARS: HT CAS

FIELD CENTER: 01^h07^m01.0^s 59°48'25" (B1950)
 01^h10^m08.8^s 60°04'23" (J2000)
 l : 125.27 b : -2.71

DATE: 1980/ 23 - 1980/ 23
 LIVETIME: 1889.6s
 ROLL ANGLE: 114.9°

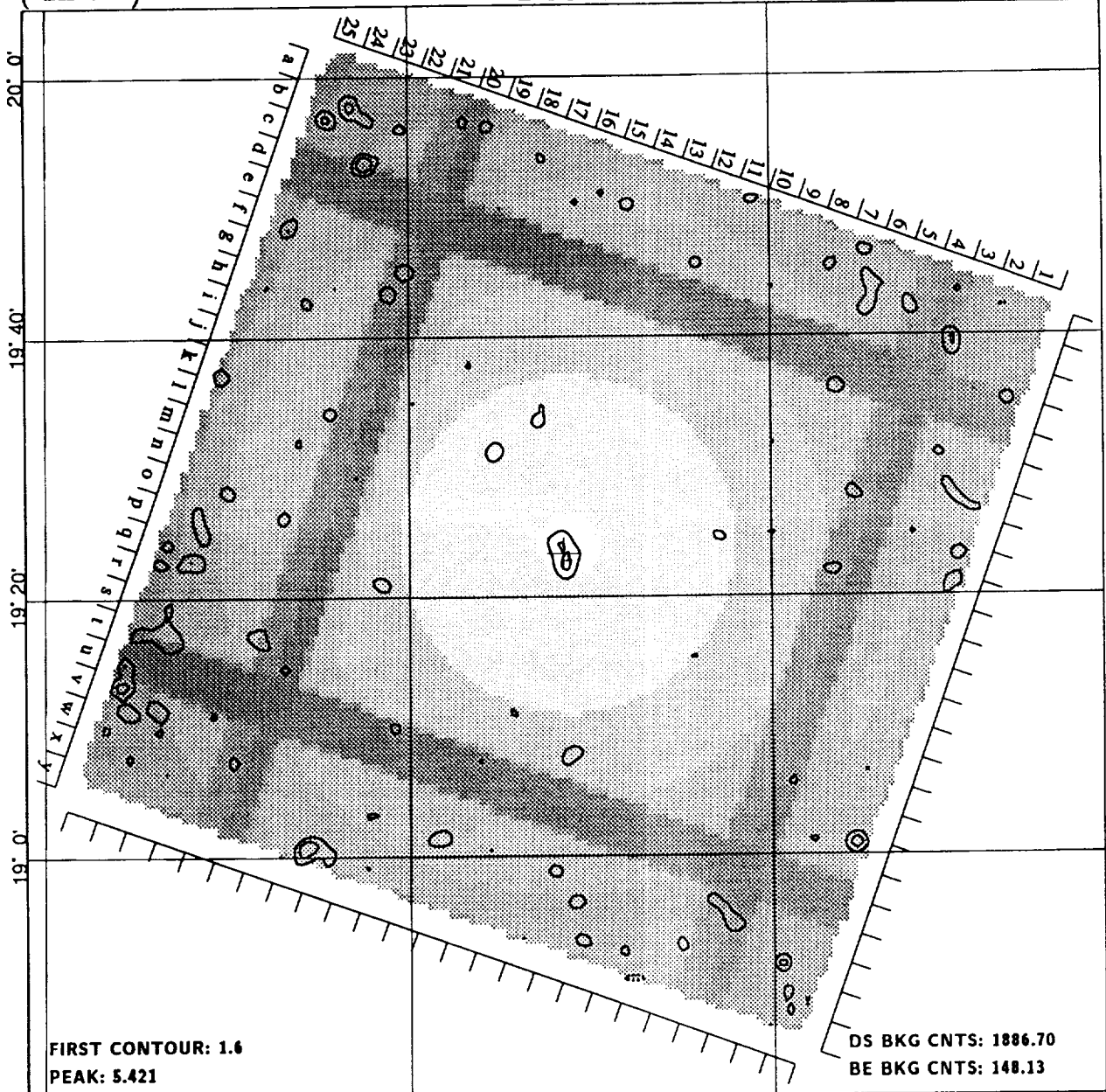
NH: 4.3E+21
 REF/ID: CV
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
301	1	01 07 04.4	59 48 41	31	0.0809	0.0078	113.7	5.3	10.4	1.1	0	0.6	H CV

(1h 7m)

I 10105

(1h 7m)



1h 10m

1h 8m

1h 6m

PS13 PSC,HERTZSPRUNG GAP AND RELATED STARS

FIELD CENTER: $01^h 07^m 08.5^s$ $19^\circ 23' 31''$ (B1950)
 $01^h 09^m 49.2^s$ $19^\circ 39' 29''$ (J2000)
 $l: 128.85$ $b: -43.00$

DATE: 1980/363 - 1980/363
 LIVETIME: 1528.8s
 ROLL ANGLE: 109.5°

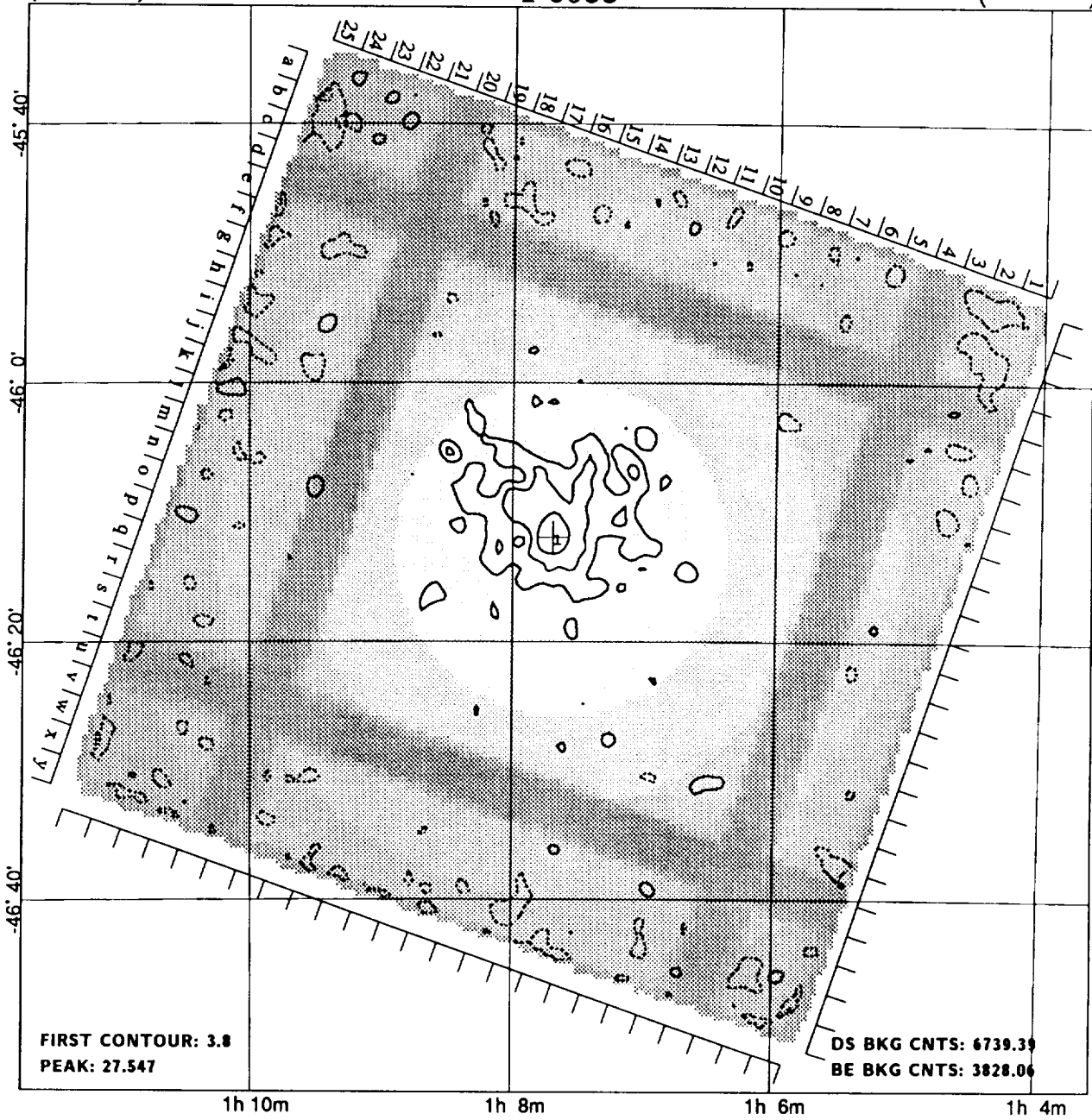
NH: $4.1E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
303	1	01 07 08.9	19 23 21	42	0.0149	0.0041	17.0	5.0	3.6	0.9	0	0.6	H	

(1h 7m)

I 6088

(1h 7m)



0107-46, DETAILED STUDY OF NEARBY CLUSTERS

FIELD CENTER: $01^h 07^m 40.0^s$ $-46^\circ 12' 59''$ (B1950)
 $01^h 09^m 53.2^s$ $-45^\circ 57' 02''$ (J2000)
 $l: 293.13$ $b: -70.82$

DATE: 1980/ 2 - 1980/ 3
 LIVETIME: 5461.1s
 ROLL ANGLE: 109.1°

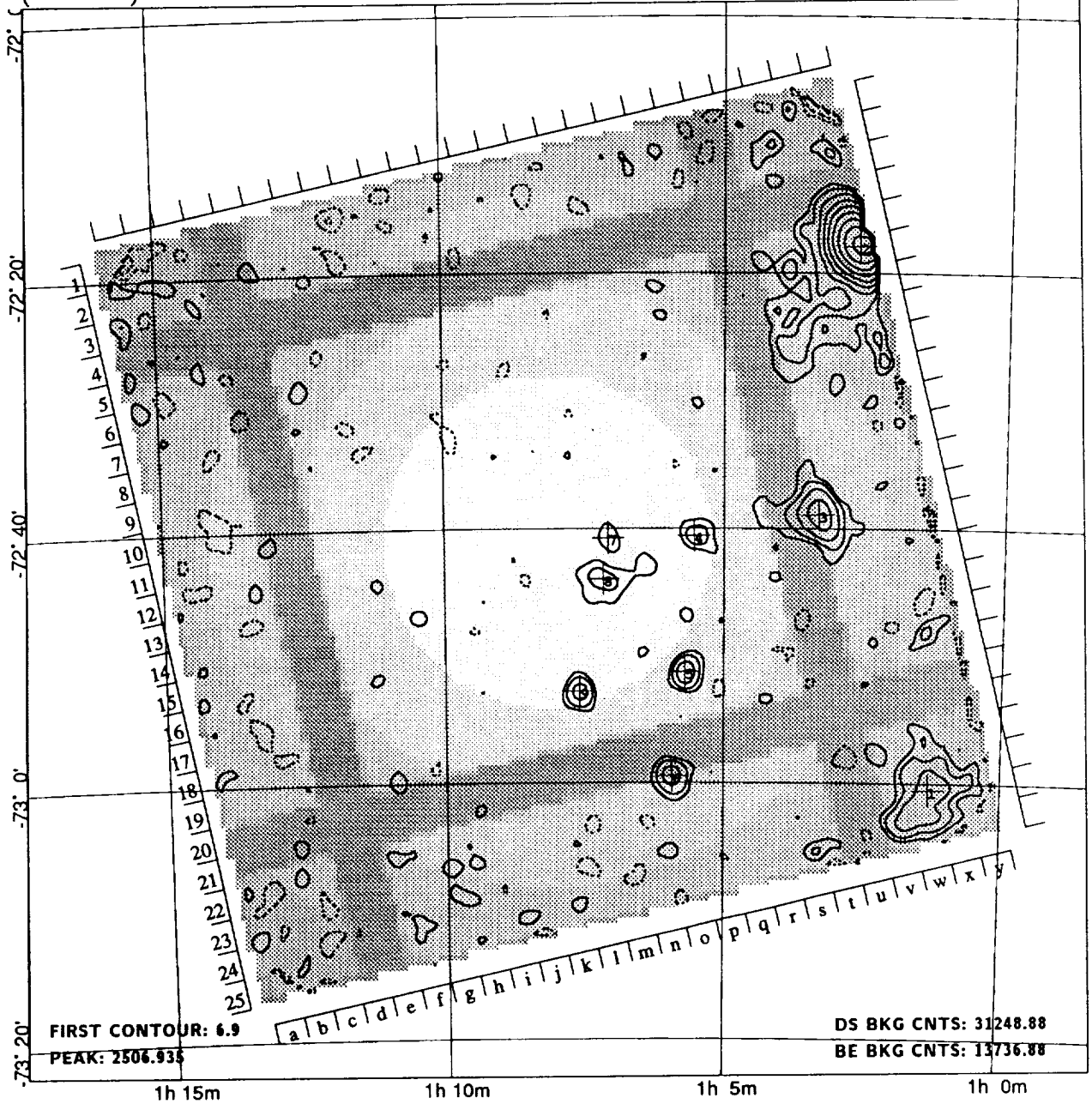
NH: $2.0E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
308	1L	01 07 41.5	-46 11 55	31	0.0236 0.0039	95.9	76.1	5.9	5.6	0	0.9		CLG

(1h 8m)

I 7989

(1h 8m)



SHELL-LIKE STRUCTURES IN SMC

FIELD CENTER: $01^h 08^m 00.0^s -72^\circ 40' 59''$ (B1950)
 $01^h 09^m 30.9^s -72^\circ 25' 01''$ (J2000)
 $l: 301.01 \quad b: -44.64$

DATE: 1980/105 - 1980/106
 LIVETIME: 25321.9s
 ROLL ANGLE: -12.6°

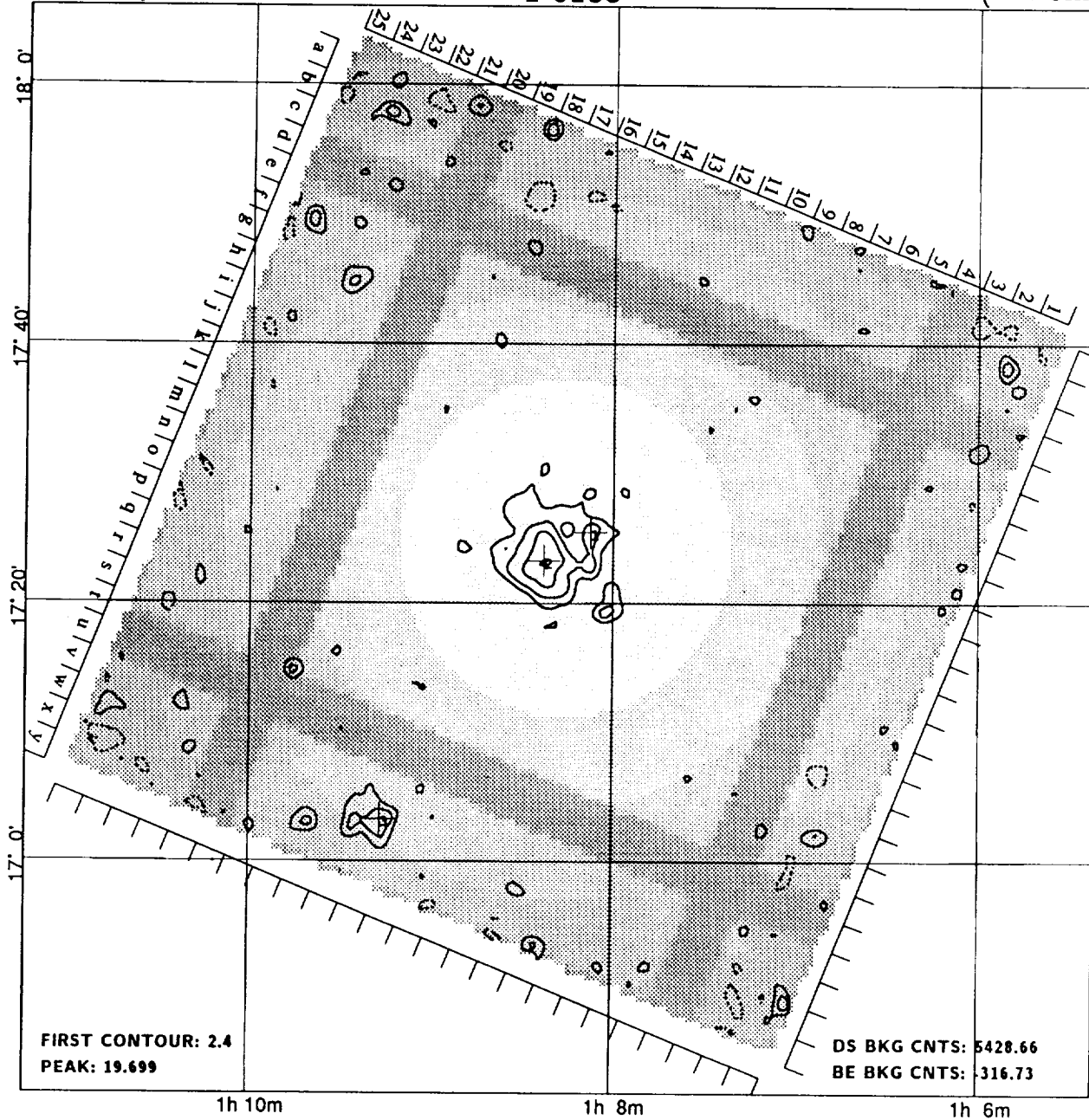
NH: $6.0E+20$
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
255	1	01 01 17.9	-73 00 31	53	0.0113	0.0018	72.9	55.1	6.4	2.9	0	35.3	AH	*
261	2	01 02 38.6	-72 17 54	47	*0.679	0.011	4150.9	64.1	63.9	1.3	703	33.4	AEH	SNR
267	3	01 03 19.1	-72 38 55	48	*0.0200	0.0014	246.3	45.7	14.4	1.8	805	20.8	AH	*
280	4	01 05 32.0	-72 40 33	41	0.00482	0.00082	78.7	101.3	5.9	0.8	0	11.1		*
283	5	01 05 42.0	-72 51 15	38	0.00776	0.00096	116.7	92.3	8.1	0.9	0	14.3	H	*
289	6	01 05 55.8	-72 59 28	50	*0.0084	0.0010	106.2	57.8	8.3	1.0	1006	20.3	H	*
300	7	01 07 04.2	-72 40 43	35	0.00254	0.00072	46.1	123.9	3.5	0.5	0	4.1		*
304	8	01 07 09.4	-72 43 51	35	0.00479	0.00076	86.6	102.4	6.3	1.4	0	4.2	H	*
306	9	01 07 35.3	-72 52 45	38	0.00682	0.00088	110.7	94.3	7.7	0.8	0	11.7	H	*

(1h 8m)

I 6135

(1h 8m)



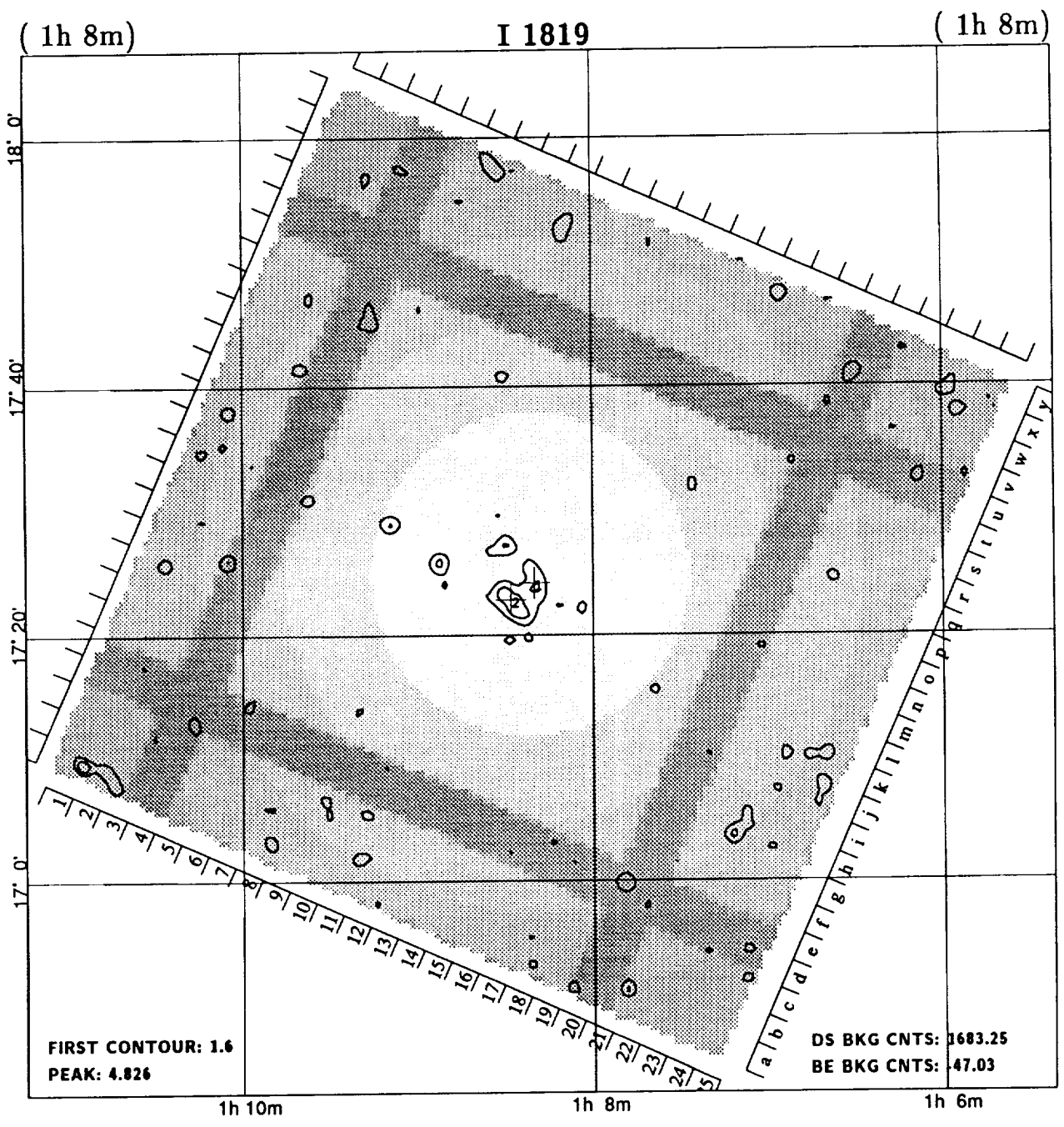
A 154, DETAILED STUDY OF NEARBY CLUSTERS

FIELD CENTER: 01^h08^m18.0^s 17°23'59" (B1950)
 01^h10^m58.1^s 17°39'56" (J2000)
 l : 129.51 b : -44.96

DATE: 1980/ 9 - 1980/ 10
 LIVETIME: 4399.0s
 ROLL ANGLE: 112.0°

NH: 4.3E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
310	1	01 08 07.4	17 25 29	37	0.0083	0.0019	26.9	12.1	4.3	11.2	0	3.1		
311	2	01 08 22.9	17 23 16	32	0.0255	0.0030	82.8	12.2	8.5	3.0	0	1.4	aAH	CLG
316	3	01 09 16.7	17 03 12	55	0.0107	0.0029	19.8	8.2	3.7	1.5	0	25.0	H	



A154: X-RAY STUDY OF CLUSTERS OF GALAXIES

FIELD CENTER: $01^{\text{h}}08^{\text{m}}18.0^{\text{s}}$ $17^{\circ}24'59''$ (B1950)
 $01^{\text{h}}10^{\text{m}}58.1^{\text{s}}$ $17^{\circ}40'56''$ (J2000)
 $l: 129.51$ $b: -44.94$

DATE: 1979/203 - 1979/203
 LIVETIME: 1364.0s
 ROLL ANGLE: -66.3°

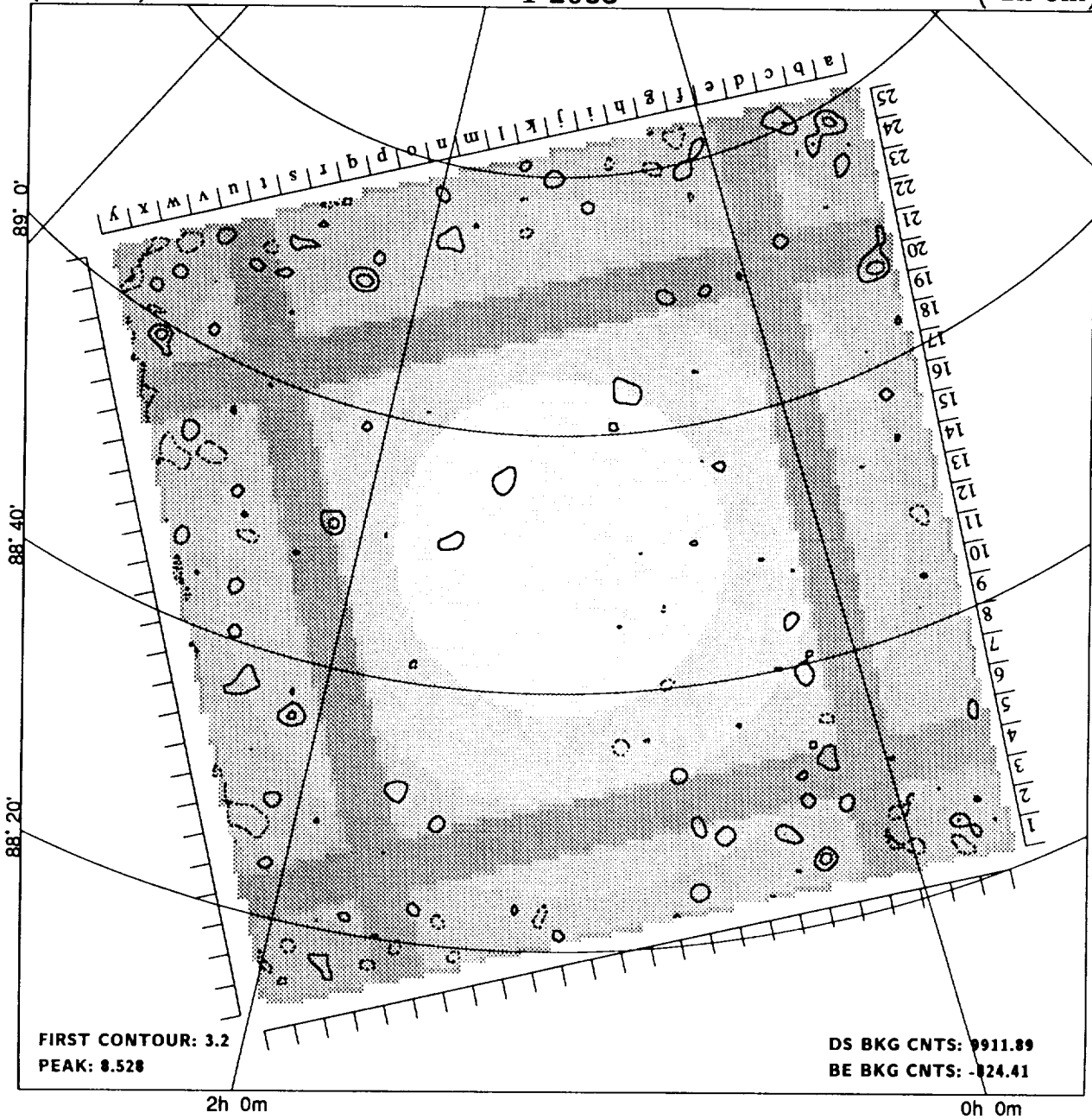
NH: $4.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
311	1	01 08 20.1	17 24 08	42	0.0157	0.0044	15.9	4.1	3.6	2.3	0	0.9	A	CLG
313	2	01 08 28.2	17 22 49	37	0.0180	0.0047	18.0	4.0	3.8	1.5	0	3.0	aH	CLG

(1h 8m)

I 2085

(1h 8m)



FIRST CONTOUR: 3.2
PEAK: 8.528

DS BKG CNTS: 9911.89
BE BKG CNTS: -124.41

F8 STAR (MISPOINT)

FIELD CENTER: 01^h08^m47.0^s 88°51'09" (B1950)
01^h33^m03.0^s 89°06'50" (J2000)
ℓ: 123.11 b: 26.26

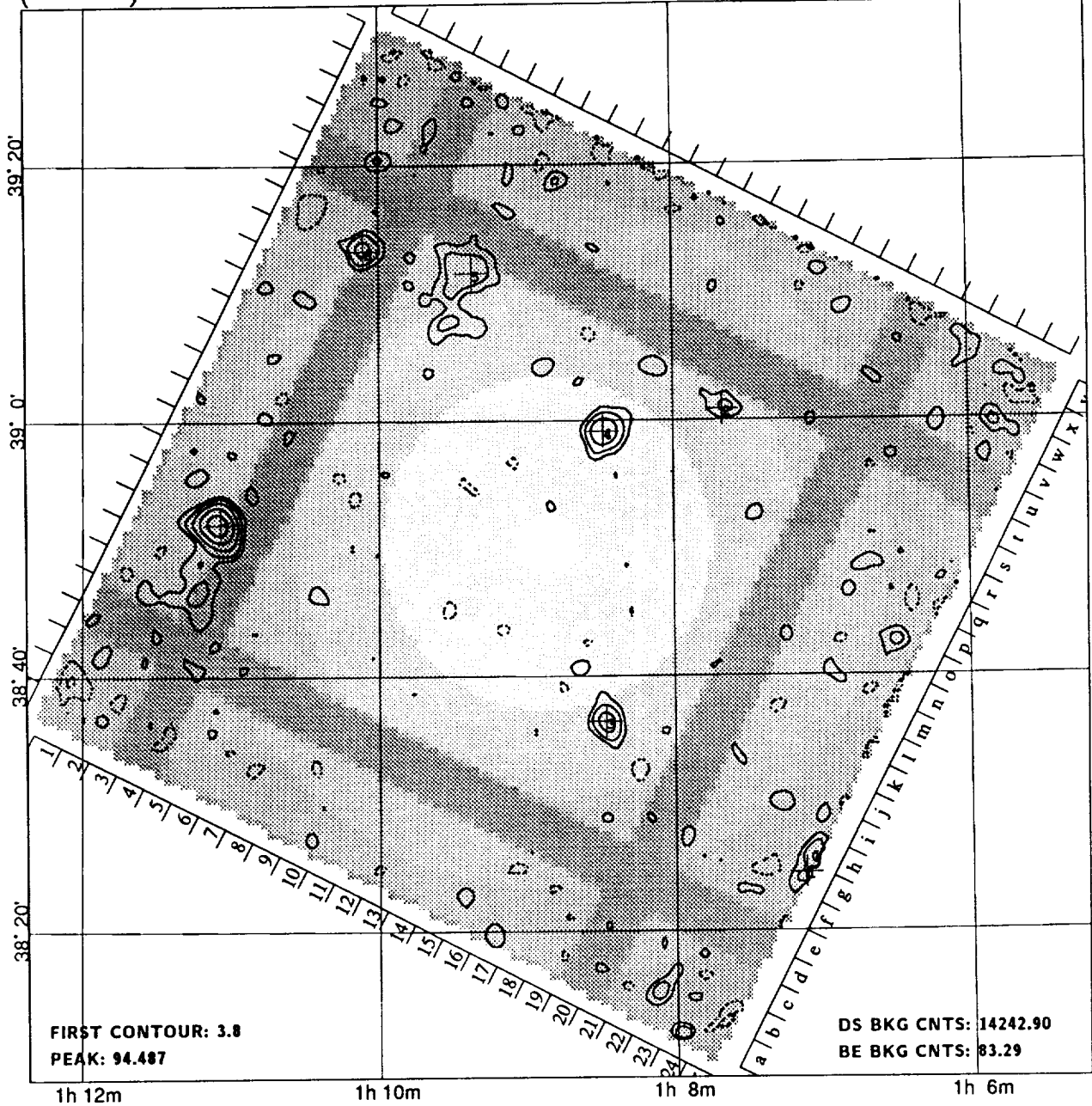
DATE: 1979/ 85 - 1979/ 85
LIVETIME: 8031.9s
ROLL ANGLE: 167.7°

NH: 7.5E+20
REF/ID:
FIELD FLAGS:

(1h 8m)

I 8464

(1h 8m)



NEW TYPE OF EXTRAGALACTIC OBJECT: 0108+38

FIELD CENTER: $01^{\text{h}}08^{\text{m}}47.3^{\text{s}}$ $38^{\circ}50'32''$ (B1950)
 $01^{\text{h}}11^{\text{m}}37.4^{\text{s}}$ $39^{\circ}06'28''$ (J2000)
 $l: 127.20$ $b: -23.60$

DATE: 1980/209 - 1980/209
 LIVETIME: 11541.4s
 ROLL ANGLE: -63.0°

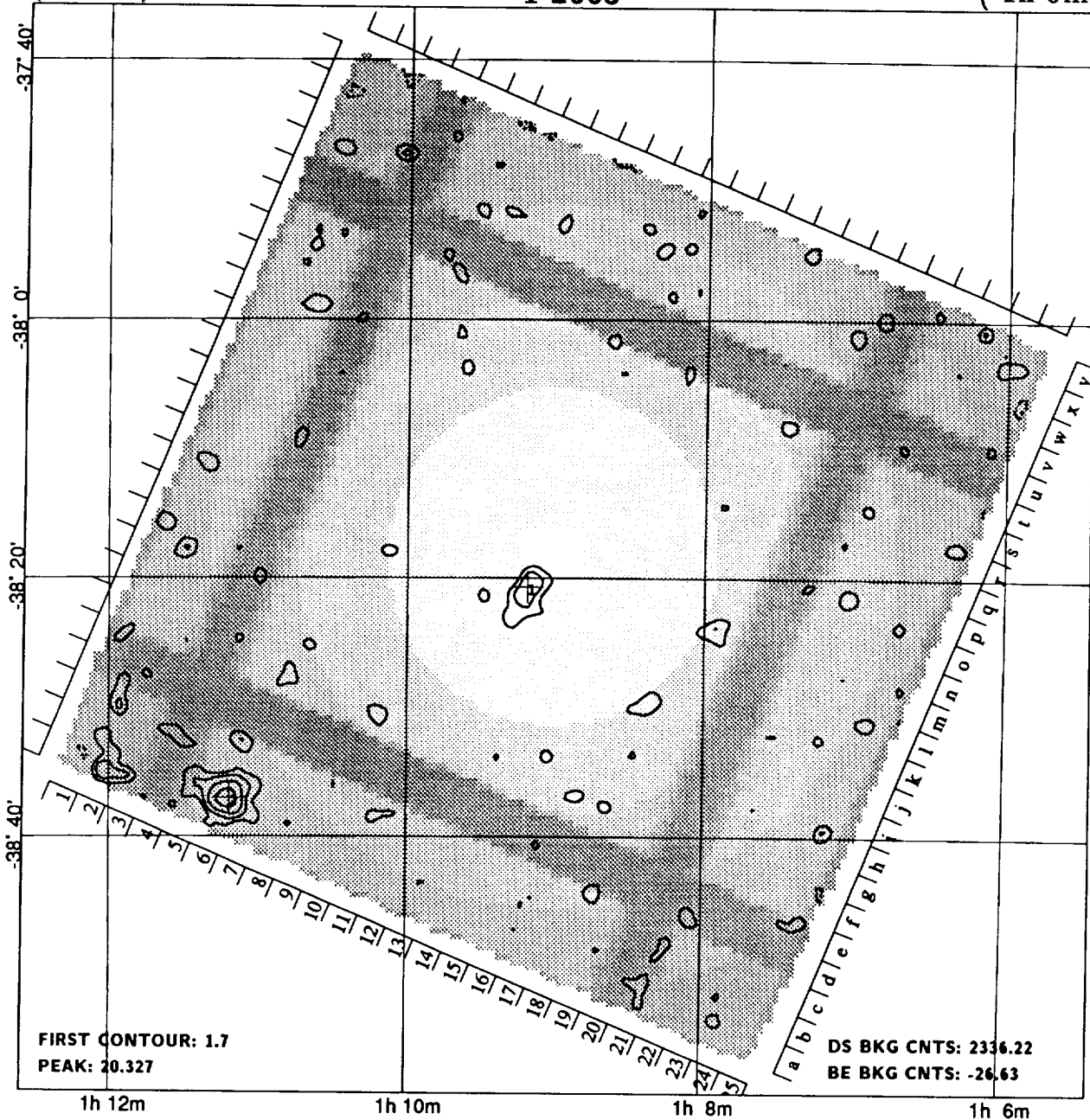
NH: $5.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
302	1	01 07 07.4	38 24 30	53	*0.0126	0.0029	29.5	17.5	4.3	1.2	904	31.8	EH	
307	2	01 07 40.0	39 00 49	55	0.0041	0.0011	25.9	27.1	3.6	0.8	200	16.3	H	
312	3	01 08 28.1	38 36 28	41	0.0095	0.0014	65.6	26.4	6.8	0.9	0	14.5	H	
314	4	01 08 28.6	38 59 09	38	0.0139	0.0015	106.8	34.2	9.0	1.1	0	9.4	H	AGN
317	5	01 09 22.0	39 11 29	52	0.0074	0.0014	41.0	23.0	5.1	2.6	100	21.4	H	
320	6	01 10 06.3	39 13 13	51	*0.0085	0.0017	39.1	20.9	5.1	0.9	905	27.5	H	
325	7	01 11 04.5	38 51 56	47	*0.0419	0.0031	200.5	20.5	13.5	1.4	703	26.8	H	AGN

(1h 9m)

I 2663

(1h 9m)



SEYFERT GALAXY SURVEY: TOLOLO

FIELD CENTER: $01^h 09^m 00.0^s - 38^\circ 17' 59''$ (B1950)
 $01^h 11^m 17.9^s - 38^\circ 02' 03''$ (J2000)
 $l: 283.25 \quad b: -78.32$

DATE: 1980/182 - 1980/182
 LIVETIME: 1893.1s
 ROLL ANGLE: -67.4°

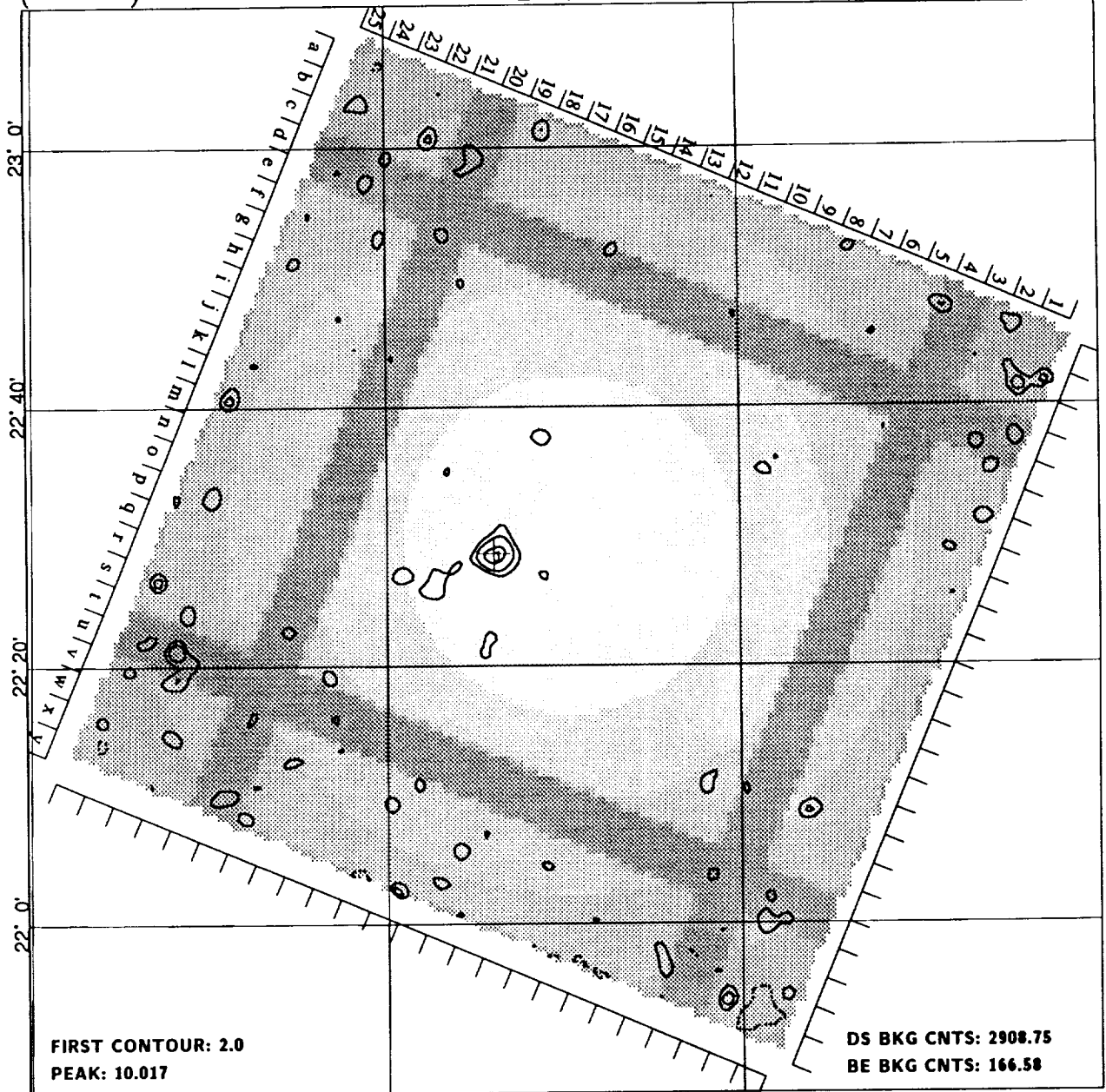
NH: $1.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
315	1	01 09 11.5	-38 20 40	36	0.0183	0.0040	25.4	5.6	4.6	1.2	0	3.6	H
327	2	01 11 11.5	-38 37 07	51	0.057	0.010	34.9	3.1	5.7	1.4	100	32.3	H

(1h 9m)

I 1985

(1h 9m)



FIRST CONTOUR: 2.0
PEAK: 10.017

DS BKG CNTS: 2908.75
BE BKG CNTS: 166.58

1h 12m

1h 10m

1h 8m

0109+22: X-RAY STUDY OF BL LAC OBJECTS

FIELD CENTER: 01^h09^m00.0^s 22°28'59" (B1950)
01^h11^m42.2^s 22°44'55" (J2000)
l: 129.02 *b*: -39.88

DATE: 1979/ 13 - 1979/ 13
LIVETIME: 2357.1s
ROLL ANGLE: 112.6°

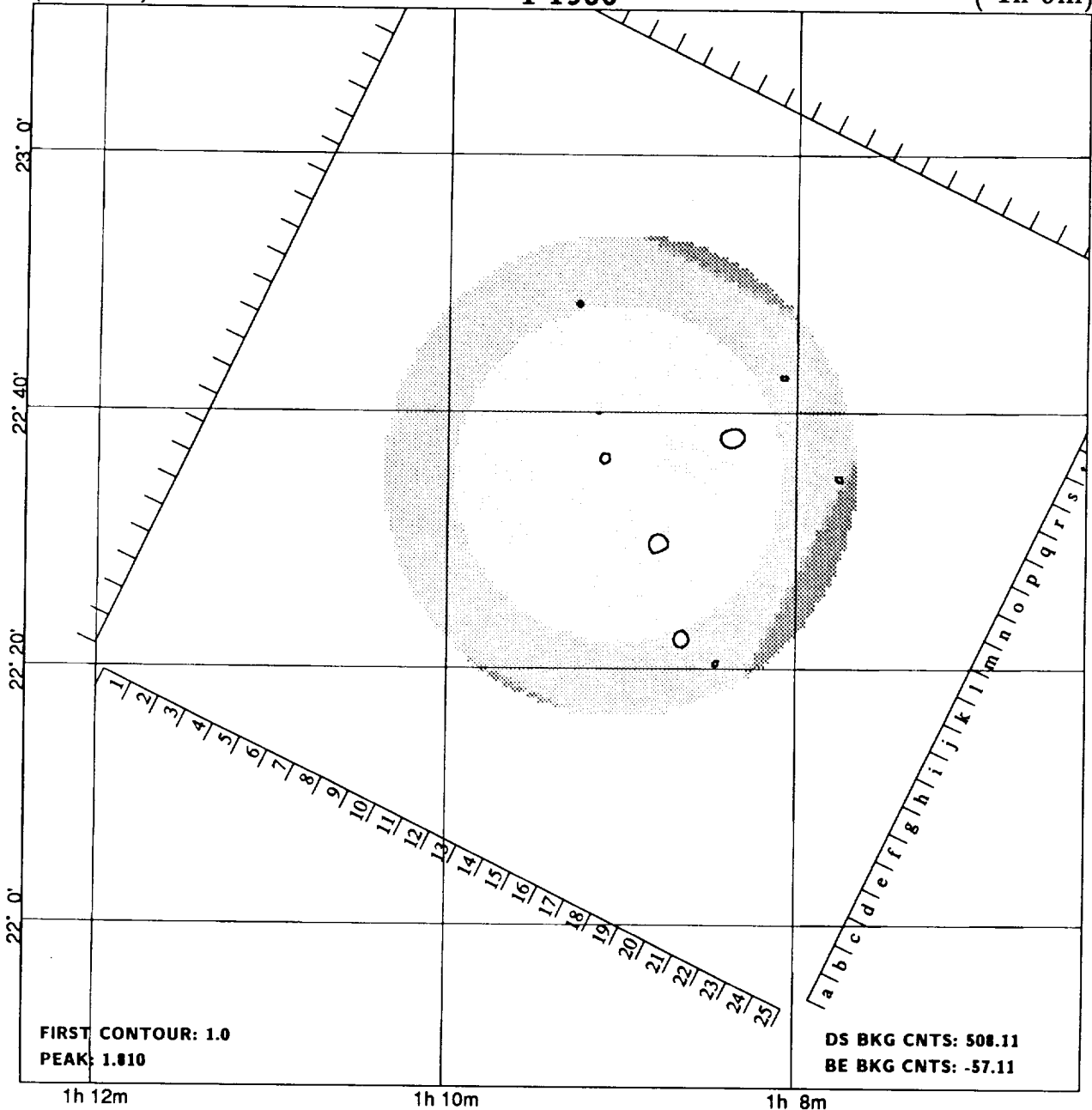
NH: 4.7E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
318	1	01 09 23.6	22 28 44	41	0.0247	0.0042	41.0	7.0	5.9	1.0	0	5.2	H	BL

(1h 9m)

I 1986

(1h 9m)



0109+22: X-RAY STUDY OF BL LAC OBJECTS

FIELD CENTER: $01^h 09^m 23.0^s$ $22^\circ 29' 16''$ (B1950)
 $01^h 12^m 05.2^s$ $22^\circ 45' 11''$ (J2000)
 $l: 129.14$ $b: -39.87$

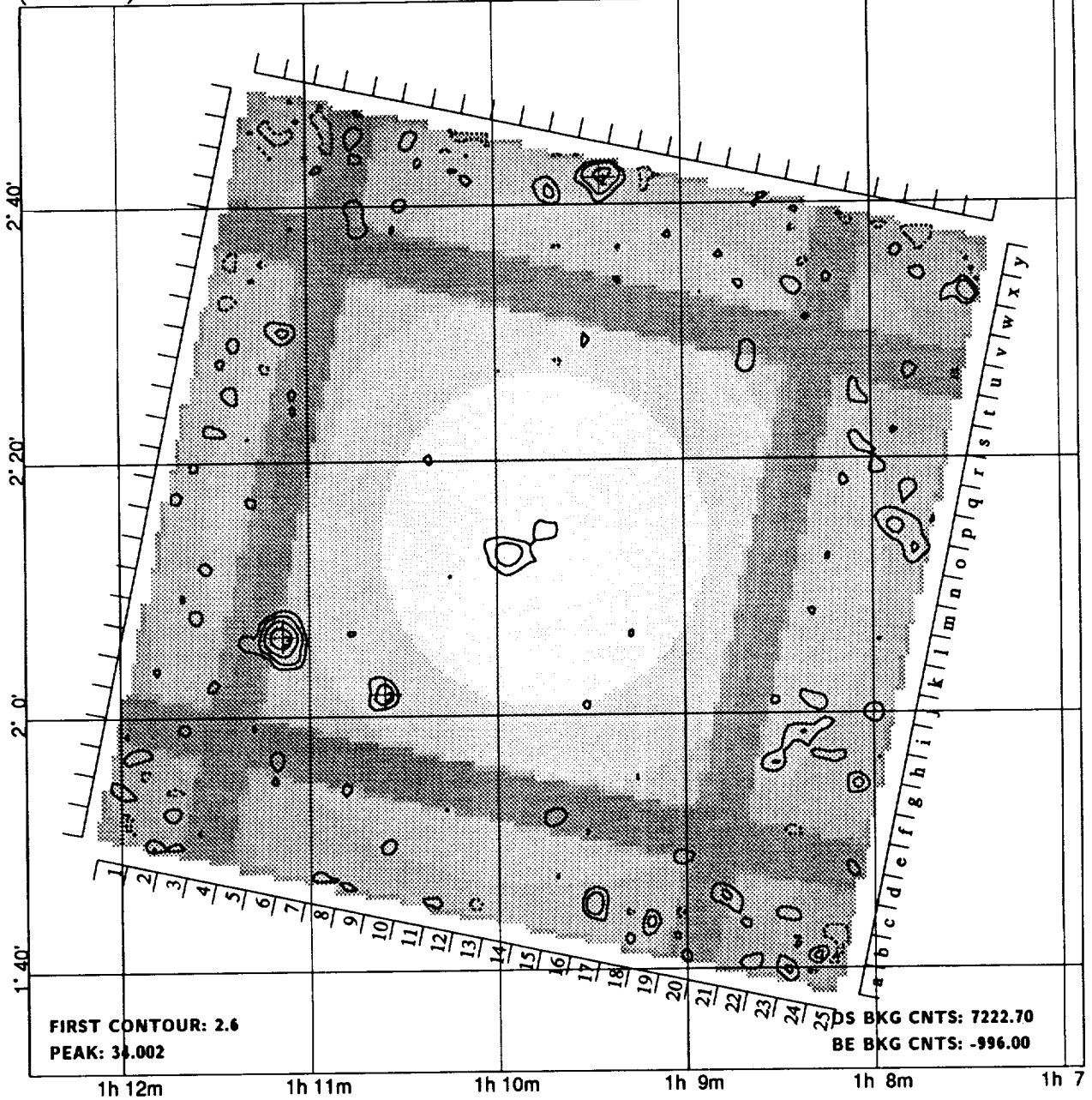
DATE: 1979/211 - 1979/211
 LIVETIME: 411.7e
 ROLL ANGLE: -64.1°

NH: $4.7E+20$
 REF/ID:
 FIELD FLAGS:

(1h 9m)

I 8458

(1h 9m)



OPTICALLY SELECTED QSO'S: MCS 87

FIELD CENTER: 01^h09^m42.0^s 02°13'59" (B1950)
 01^h12^m16.6^s 02°29'54" (J2000)
 l : 133.37 b : -59.95

DATE: 1980/196 - 1980/197
 LIVETIME: 5852.7s
 ROLL ANGLE: -78.1°

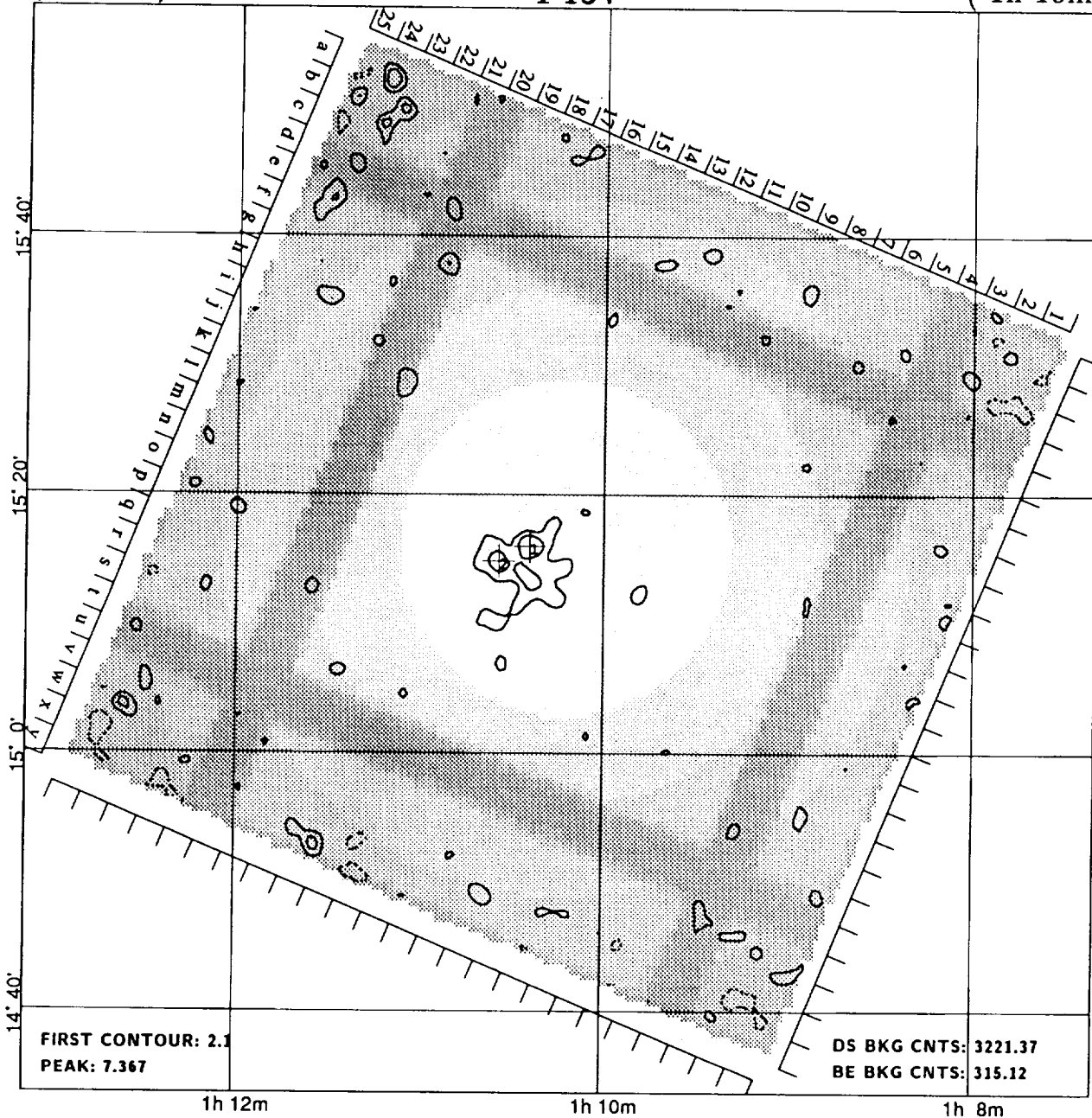
NH: 3.1E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
319	1	01 09 26.0	02 42 07	52	0.0156	0.0032	31.3	10.7	4.8	0.9	600	28.4	H	
323	2	01 10 35.9	02 01 45	52	0.0061	0.0017	19.8	10.2	3.6	0.7	0	18.1		
326	3	01 11 08.4	02 06 16	48	*0.0289	0.0034	80.3	9.7	8.5	1.2	804	23.0	H	

(1h 10m)

I 154

(1h 10m)



A160 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: $01^h 10^m 14.4^s$ $15^\circ 15' 35''$ (B1950)
 $01^h 12^m 53.8^s$ $15^\circ 31' 29''$ (J2000)
 $l: 130.53$ $b: -47.03$

DATE: 1979/ 13 - 1979/ 13
 LIVETIME: 2610.4s
 ROLL ANGLE: 112.5°

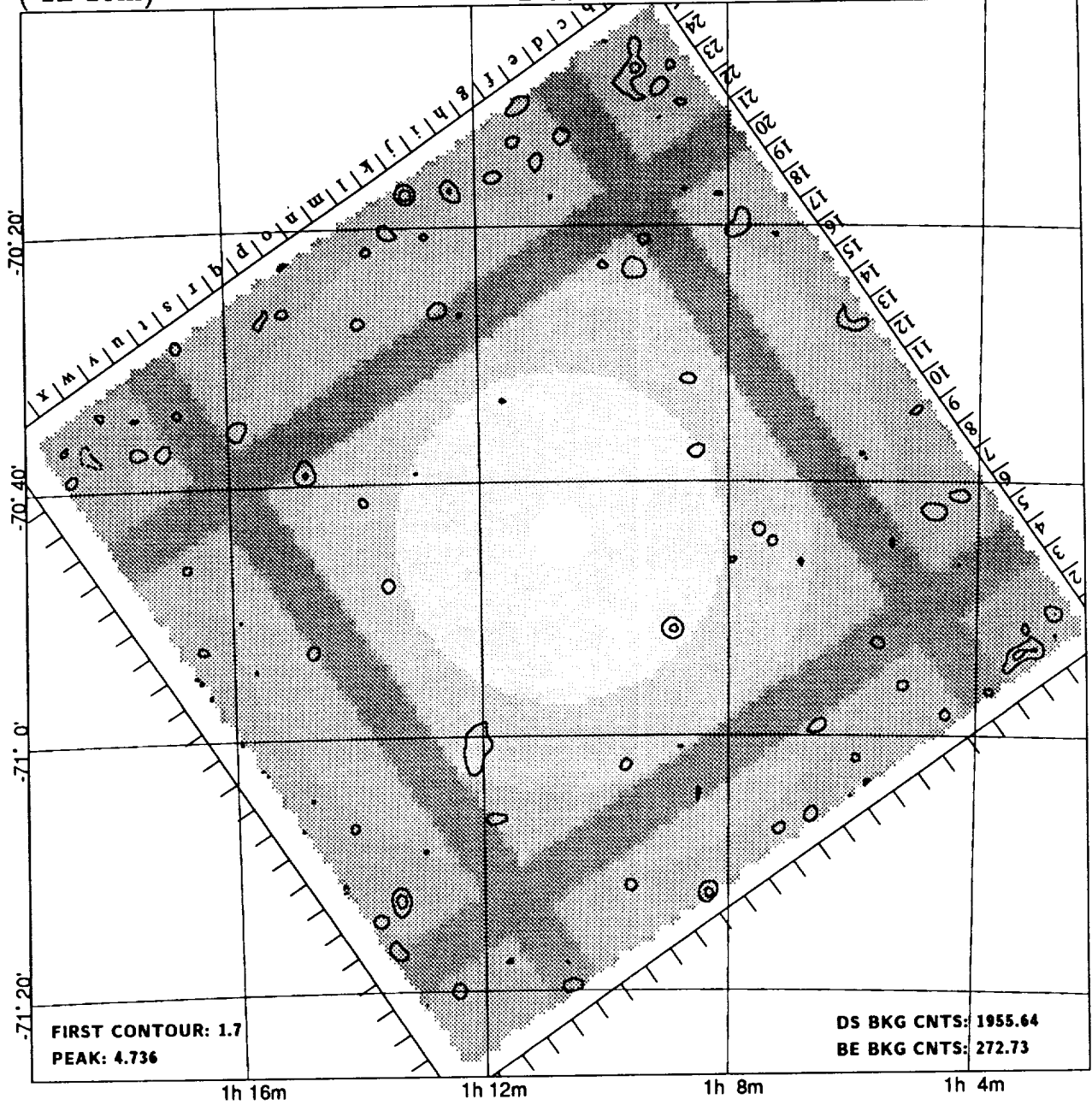
NH: $4.2E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
321	1	01 10 24.2	15 16 00	36	0.0146	0.0031	27.9	8.1	4.7	3.2	0	2.6	
322	2	01 10 34.3	15 14 52	37	0.0120	0.0030	22.2	7.8	4.0	3.6	0	5.0	H

(1h 10m)

I 604

(1h 10m)



SMC SURVEY

FIELD CENTER: $01^h 10^m 46.6^s$ $-70^\circ 44' 40''$ (B1950)
 $01^h 12^m 22.0^s$ $-70^\circ 28' 46''$ (J2000)
 $l: 300.39$ $b: -46.55$

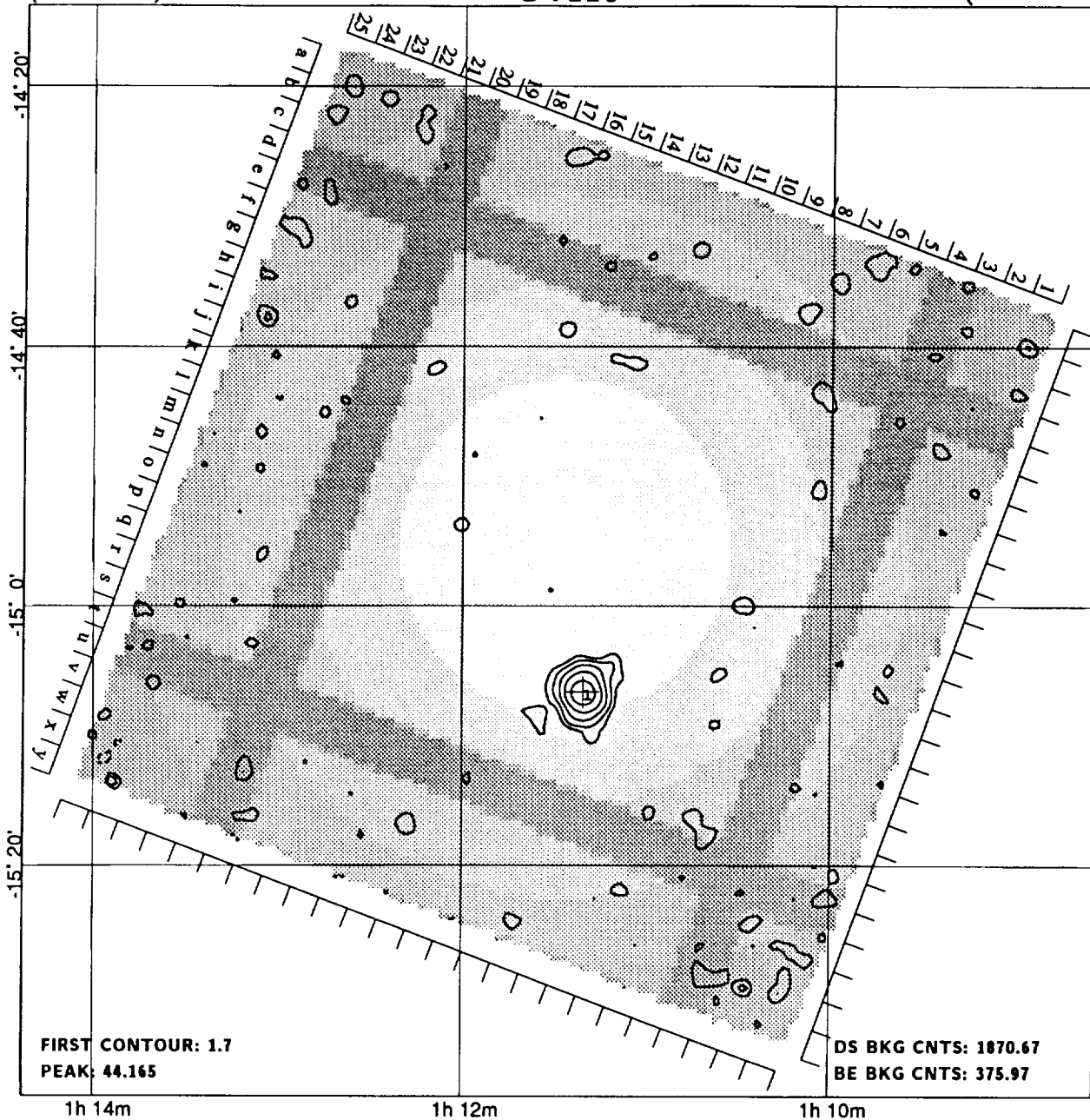
DATE: 1979/316 - 1979/316
 LIVETIME: 1584.7s
 ROLL ANGLE: 145.5°

NH: $2.9E+20$
 REF/ID:
 FIELD FLAGS:

(1h 11m)

I 7116

(1h 11m)



H0111-149, UNIDENTIFIED HEAO A2 SOURCE

FIELD CENTER: $01^h 11^m 28.8^s$ $-14^\circ 55' 47''$ (B1950)
 $01^h 13^m 57.0^s$ $-14^\circ 39' 55''$ (J2000)
 $l: 146.87$ $b: -76.48$

DATE: 1981/ 10 - 1981/ 10
 LIVETIME: 1515.9s
 ROLL ANGLE: 110.3°

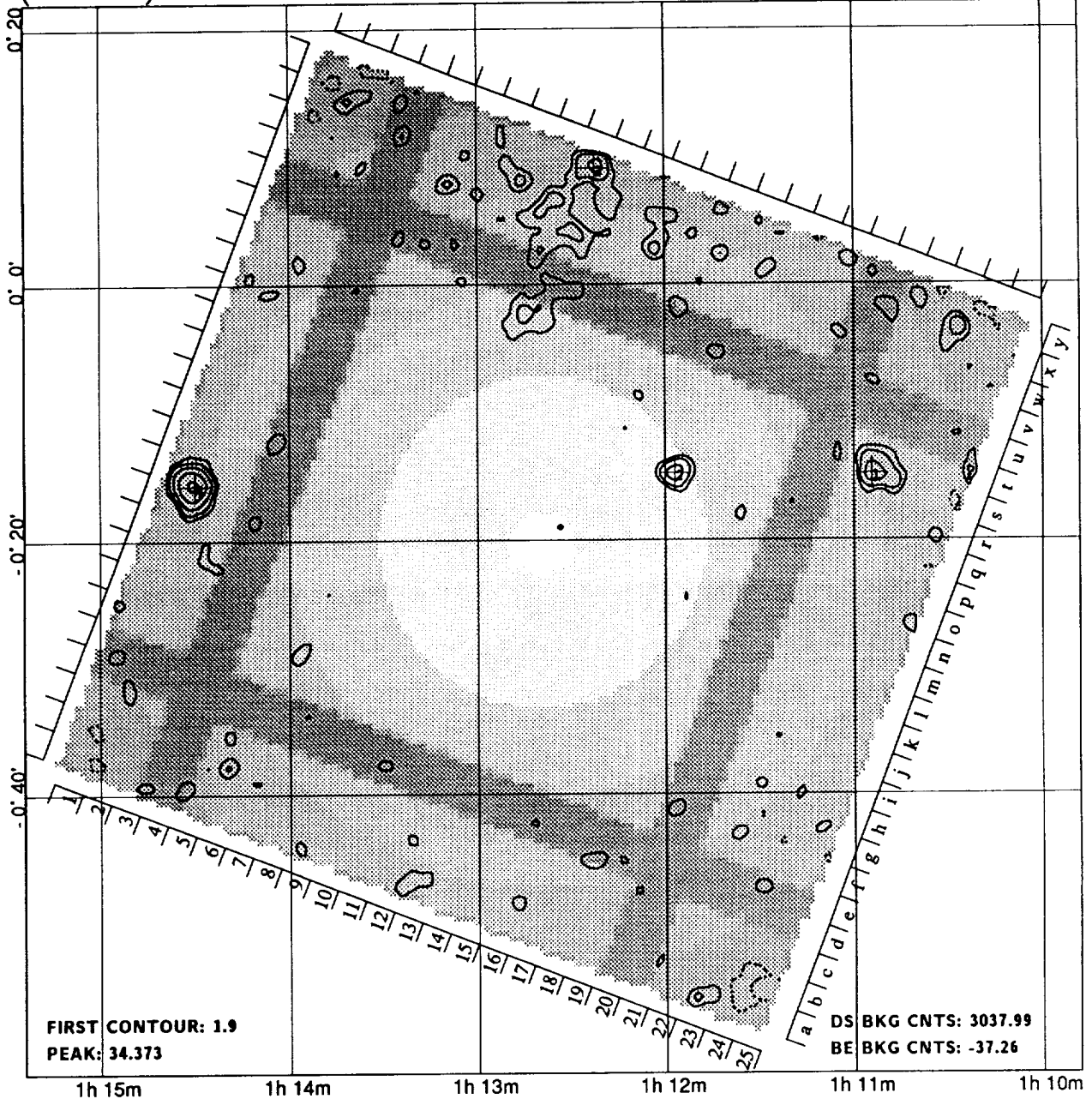
NH: $1.0E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
328	1	01 11 20.4	-15 06 36	38	0.170	0.013	168.2	5.8	12.8	1.3	0	11.0	H

(1h 12m)

I 203

(1h 12m)



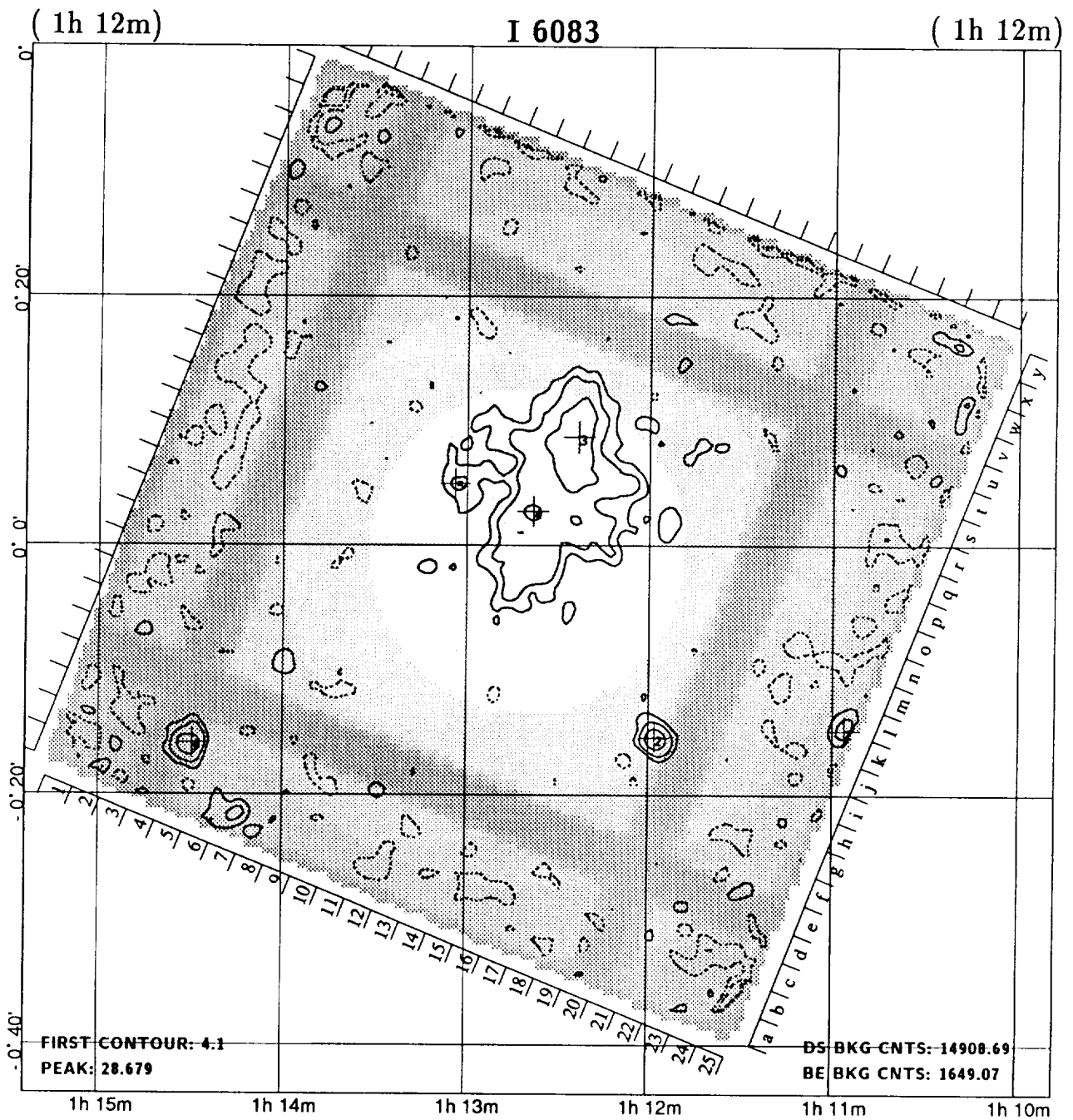
A168 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: 01^h12^m36.0^s -00°19'58" (B1950)
 01^h15^m09.7^s -00°04'08" (J2000)
 l : 135.80 b : -62.35

DATE: 1979/202 - 1979/202
 LIVETIME: 2461.8s
 ROLL ANGLE: -69.2°

NH: 3.5E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
324	1	01 10 54.4	-00 14 46	52	0.0228	0.0052	22.5	4.5	4.3	1.1	0	26.0	AH
330	2	01 11 56.9	-00 14 45	41	0.0204	0.0040	32.2	6.8	5.2	0.8	0	11.0	AH
332	3	01 12 22.4	00 09 04	55	*0.0205	0.0056	17.5	5.5	3.7	3.0	601	29.4	AH
343	4	01 14 30.0	-00 15 40	48	0.0722	0.0091	67.4	4.6	7.9	1.2	100	29.0	AH



FIELD CENTER: $01^{\text{h}}12^{\text{m}}36.0^{\text{s}}$ $-00^{\circ}01'59''$ (B1950)
 $01^{\text{h}}15^{\text{m}}09.8^{\text{s}}$ $00^{\circ}13'50''$ (J2000)
 $l: 135.67$ $b: -62.05$

DATE: 1980/194 - 1980/195
 LIVETIME: 12081.0s
 ROLL ANGLE: -68.2°

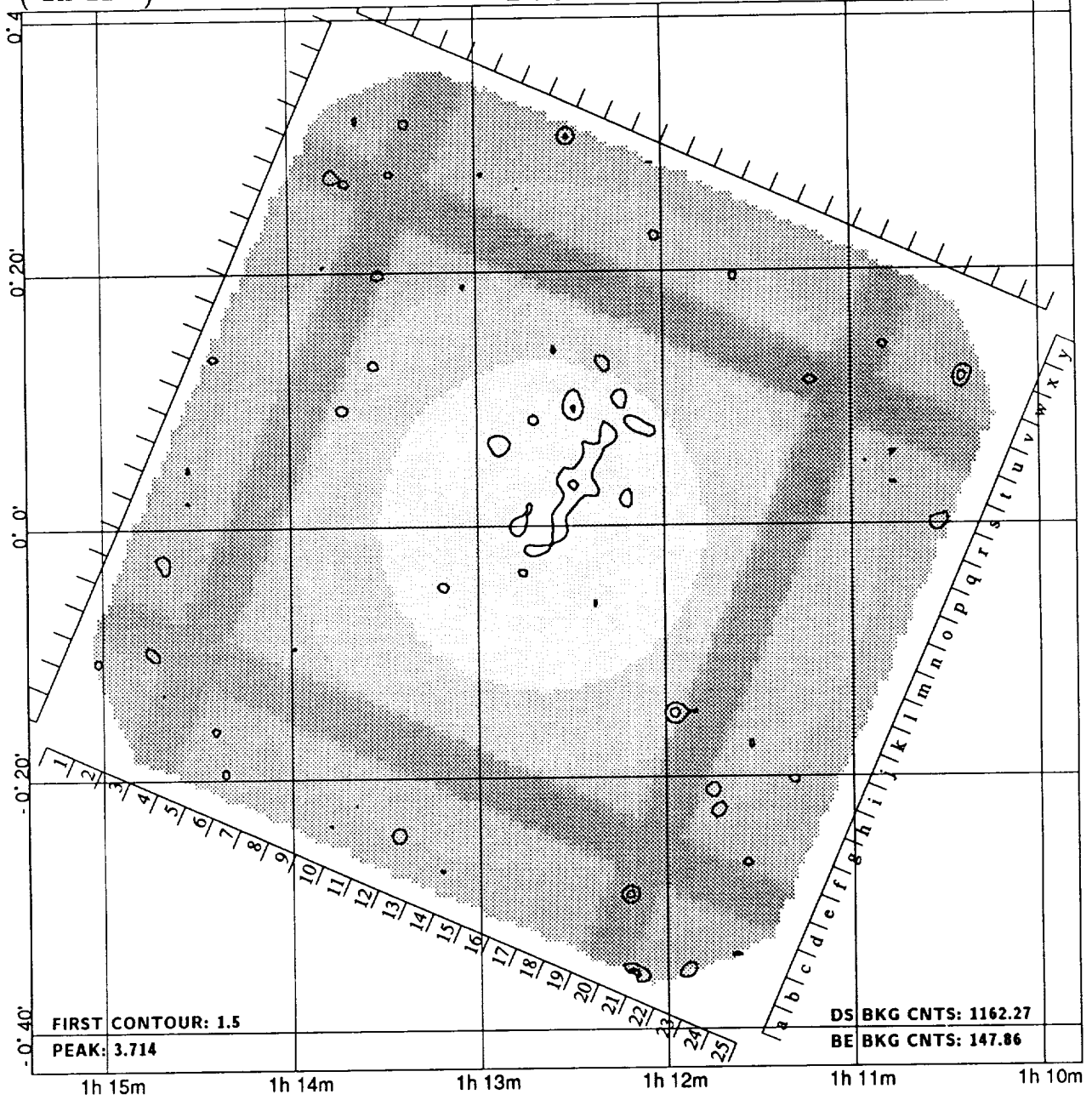
NH: $3.4\text{E}+20$
 REF/ID: CLG
 FIELD FLAGS: D

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
324	1	01 10 56.1	-00 14 46	55	*0.0089 0.0021	30.8	24.2	4.2	0.9	703	28.0	AE
330	2	01 11 58.1	-00 15 19	50	*0.0119 0.0016	78.0	28.0	7.6	1.0	602	16.2	AH
332	3	01 12 23.3	00 08 47	38	0.0161 0.0016	129.6	40.4	9.9	11.1	0	11.0	AH
334	4	01 12 38.1	00 02 45	35	0.0097 0.0013	85.7	41.3	7.6	14.0	0	4.7	
337	5	01 13 03.9	00 05 01	42	0.0046 0.0011	37.7	40.3	4.3	41.9	0	10.0	H
343	6	01 14 29.3	-00 15 47	51	*0.0115 0.0021	45.6	21.4	5.6	1.3	1107	30.7	AH

(1h 12m)

I 1820

(1h 12m)



A168: X-RAY STUDY OF CLUSTERS OF GALAXIES

FIELD CENTER: $01^h 12^m 36.0^s -00^{\circ} 00' 00''$ (B1950)
 $01^h 15^m 09.8^s 00^{\circ} 14' 50''$ (J2000)
 $l: 135.66 \quad b: -62.04$

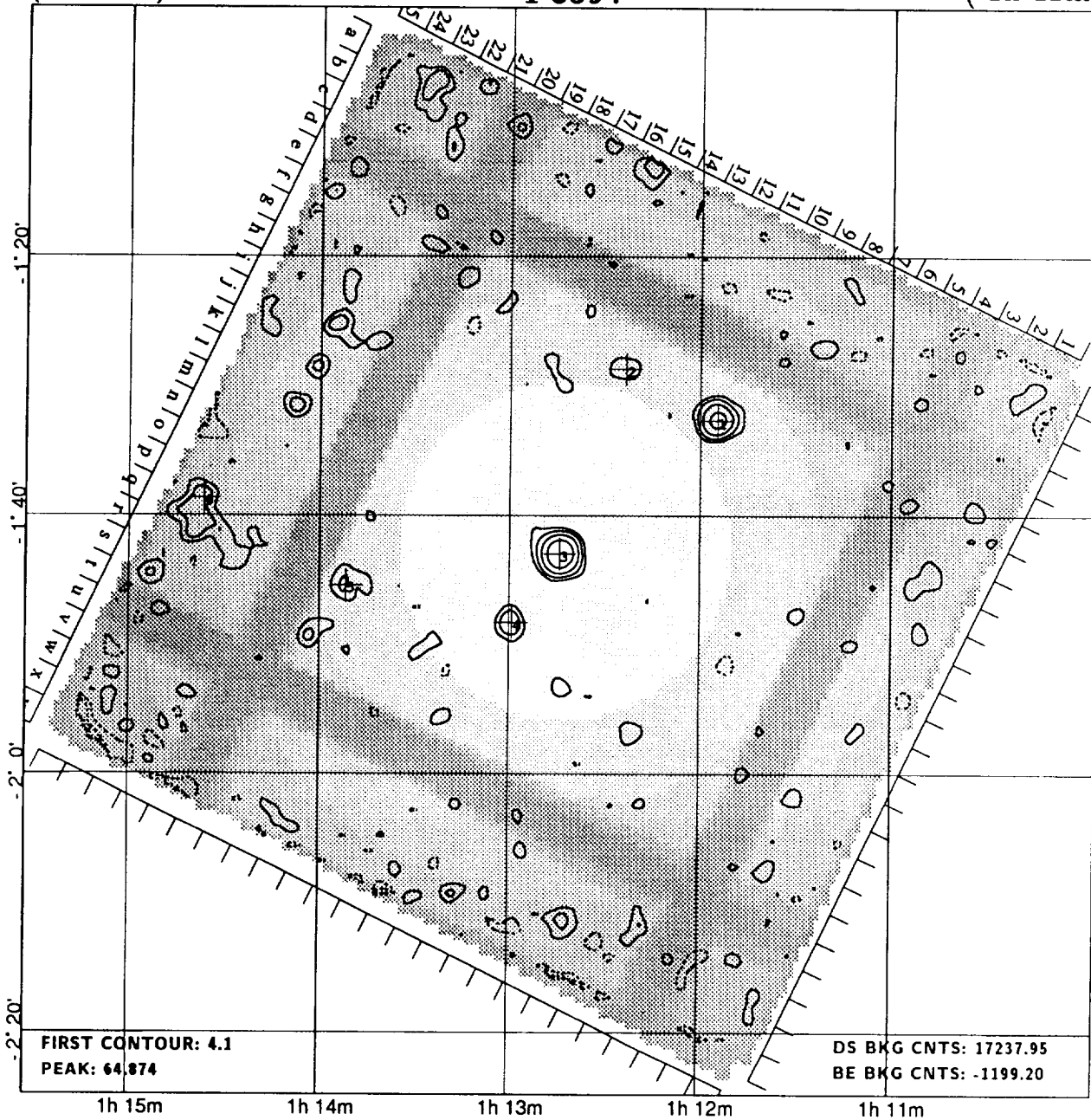
DATE: 1979/179 - 1979/179
 LIVETIME: 941.8s
 ROLL ANGLE: -66.3°

NH: $3.4E+20$
 REF/ID: CLG
 FIELD FLAGS:

(1h 12m)

I 5394

(1h 12m)



PKS 0112-017, QSO'S WITH RADIO FLAT SPECTRUM (C.S.)

FIELD CENTER: $01^{\text{h}}12^{\text{m}}44.4^{\text{s}}$ $-01^{\circ}42'53''$ (B1950)
 $01^{\text{h}}15^{\text{m}}17.6^{\text{s}}$ $-01^{\circ}27'03''$ (J2000)
 $l: 136.49$ $b: -63.69$

DATE: 1980/ 18 - 1980/ 20
 LIVETIME: 13968.4s
 ROLL ANGLE: 115.9°

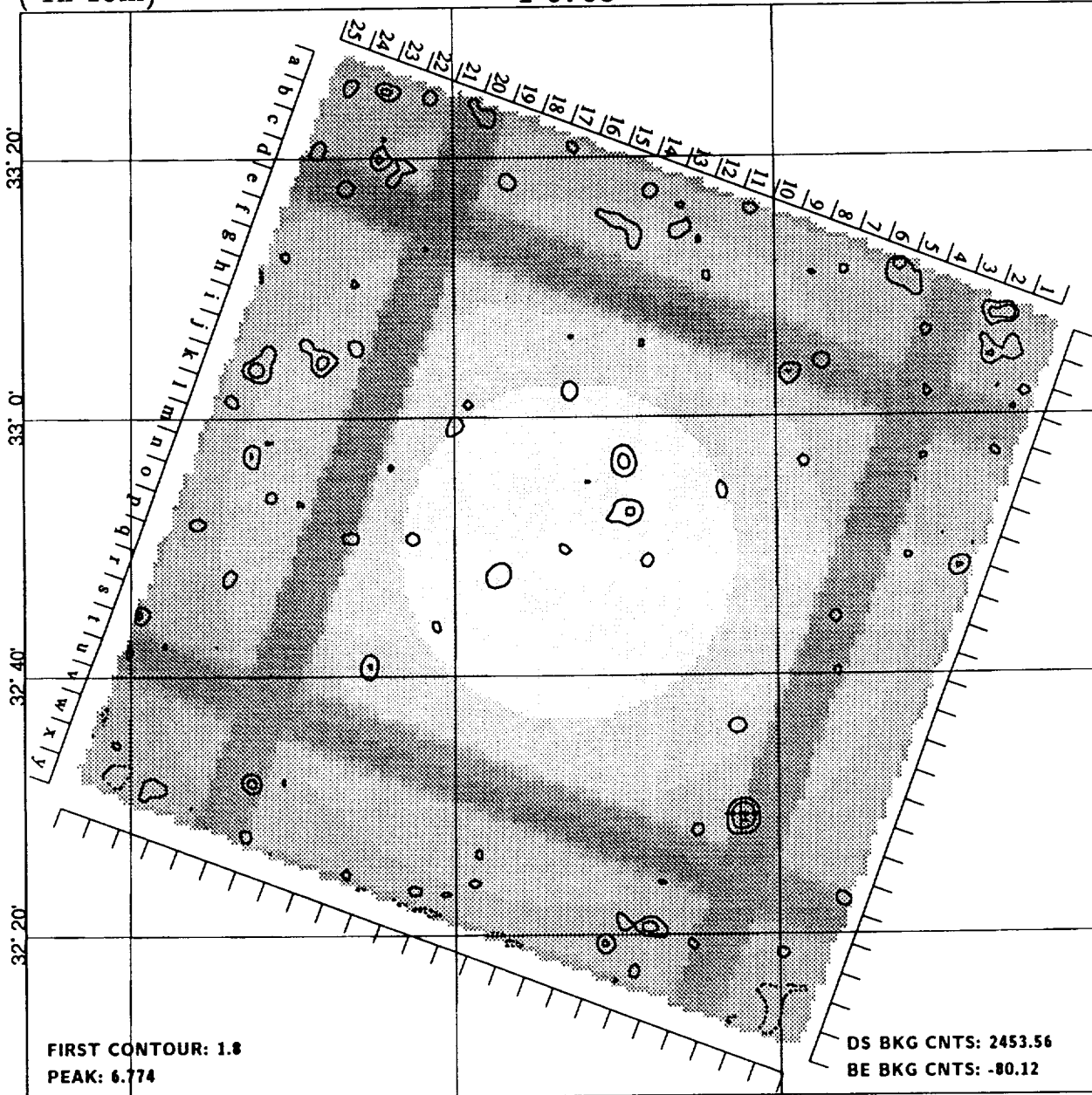
NH: $4.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
329	1	01 11 54.5	-01 32 36	48	0.0165	0.0016	133.9	32.1	10.4	1.0	0	16.3		AGN
333	2	01 12 23.4	-01 28 40	55	0.00331	0.00092	27.4	30.6	3.6	0.6	0	15.3		
335	3	01 12 44.1	-01 42 58	31	0.0262	0.0017	273.5	37.5	15.5	1.1	0	0.2	H	Q
336	4	01 12 59.2	-01 48 18	41	0.00550	0.00098	53.6	37.4	5.6	0.7	0	6.7	H	AGN
338	5	01 13 51.7	-01 45 25	55	0.0039	0.0010	29.6	32.4	3.8	0.9	100	16.9	H	
344	6	01 14 36.4	-01 38 37	59	0.0050	0.0014	25.9	27.1	3.6	2.2	0	27.7	H	

(1h 13m)

I 6703

(1h 13m)



FIRST CONTOUR: 1.8
PEAK: 6.774

DS BKG CNTS: 2453.56
BE BKG CNTS: -80.12

1h 16m

1h 14m

1h 12m

SEYFERT SURVEY: MKN 1

FIELD CENTER: 01^h13^m19.5^s 32°49'32" (B1950)
01^h16^m07.1^s 33°05'22" (J2000)
ℓ: 128.87 b: -29.50

DATE: 1980/ 11 - 1980/ 11
LIVETIME: 1988.2s
ROLL ANGLE: 110.5°

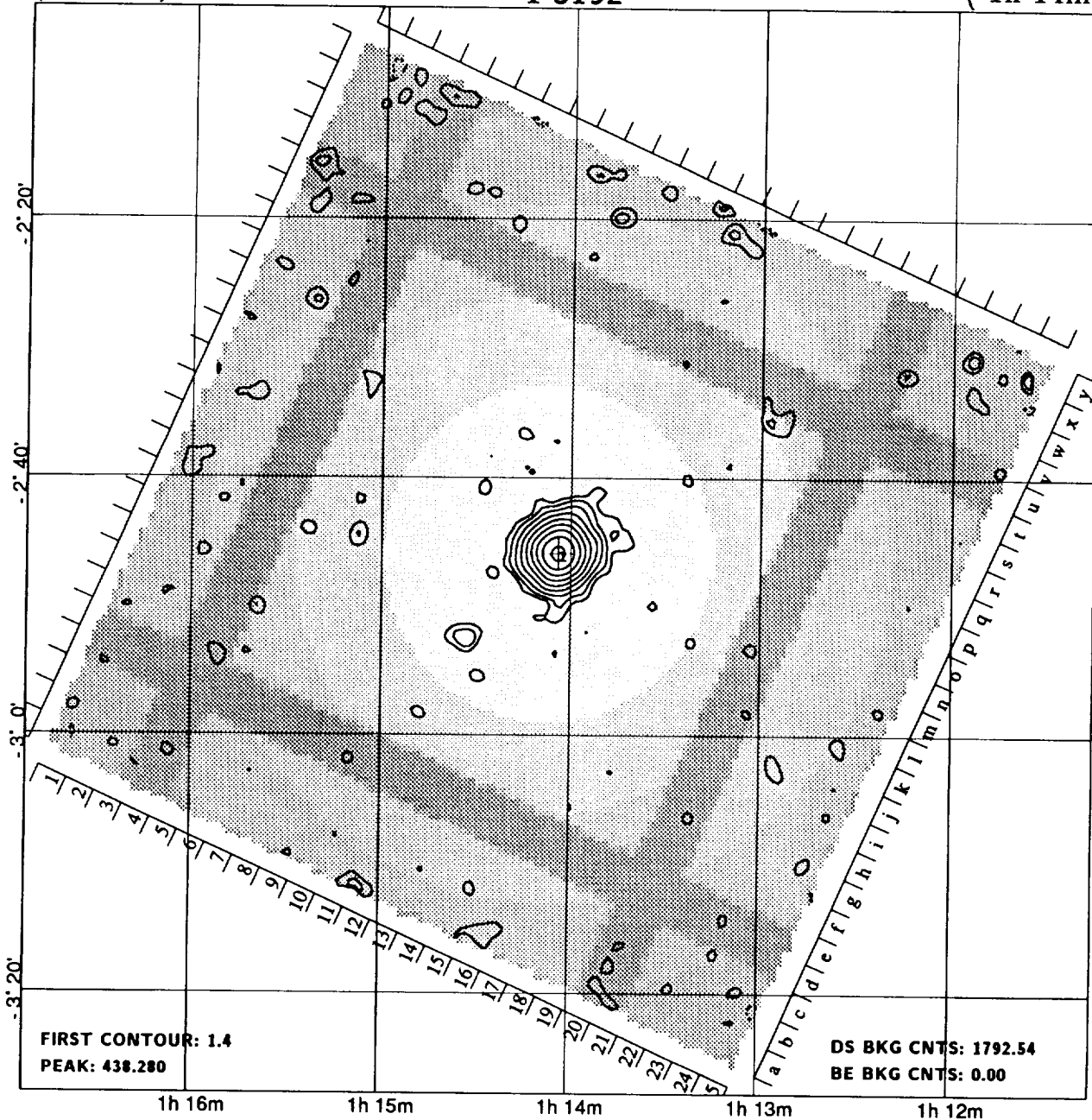
NH: 5.6E+20
REF/ID: !
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
331	1	01 12 14.2	32 29 16	55	*0.0180	0.0049	15.8	3.2	3.6	0.8	805	24.4	H

(1h 14m)

I 3192

(1h 14m)



RS CVN SYSTEMS: 39 CETI

FIELD CENTER: $01^h 14^m 03.8^s -02^\circ 45' 46''$ (B1950)
 $01^h 16^m 36.6^s -02^\circ 29' 58''$ (J2000)
 $l: 137.75 \quad b: -64.64$

DATE: 1979/179 - 1979/179
 LIVETIME: 1452.5s
 ROLL ANGLE: -65.8°

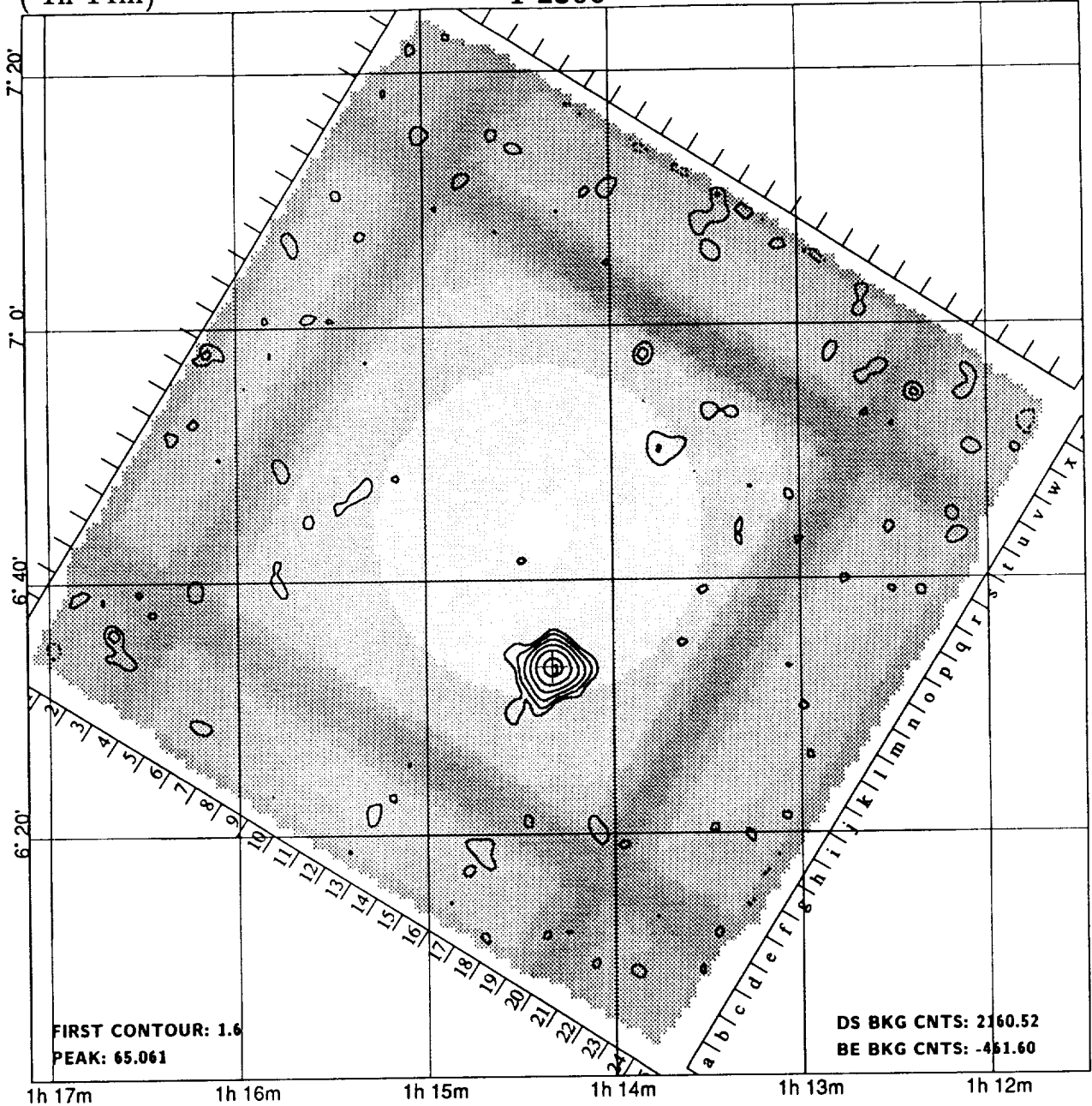
NH: $4.3E+20$
 REF/ID: S
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
339	1L	01 14 04.0	-02 45 52	31	1.516	0.045	1639.1	224.9	33.3	1.3	0	0.1	CV

(1h 14m)

I 2300

(1h 14m)



UV PSC: STELLAR SURVEY: RS CVN AND BY DRA STARS

FIELD CENTER: $01^{\text{h}}14^{\text{m}}18.0^{\text{s}}$ $06^{\circ}42'59''$ (B1950)
 $01^{\text{h}}16^{\text{m}}54.4^{\text{s}}$ $06^{\circ}58'48''$ (J2000)
 $l: 134.09$ $b: -55.34$

DATE: 1980/197 - 1980/197
 LIVETIME: 1750.7s
 ROLL ANGLE: -58.0°

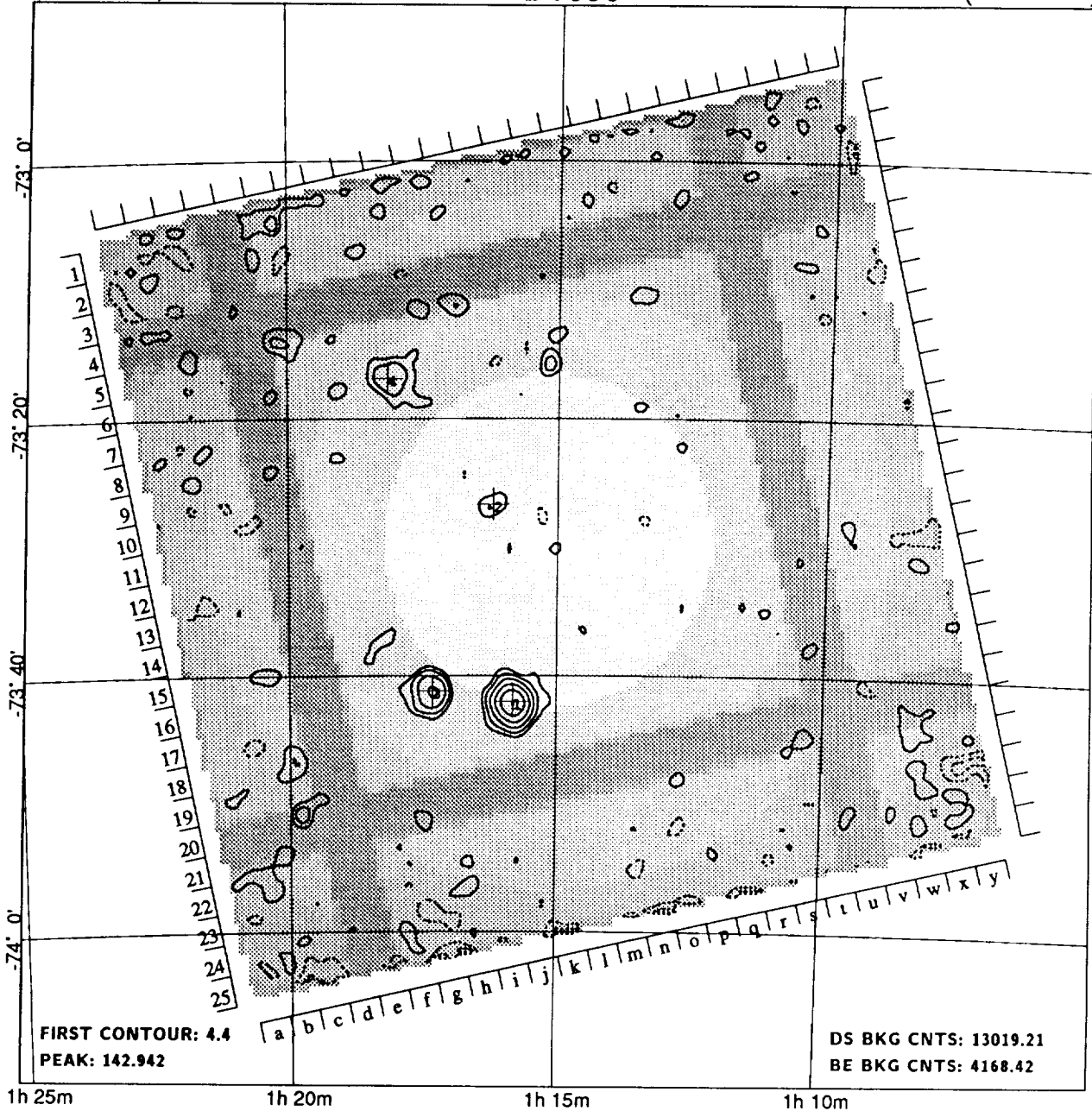
NH: $4.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
340	1	01 14 19.7	06 33 13	38	0.219	0.014	253.5	3.5	15.8	1.3	0	9.8	H	CV

(1h 15m)

I 7990

(1h 15m)



SHELL-LIKE STRUCTURES IN SMC

FIELD CENTER: $01^h 15^m 00.0^s -73^{\circ} 29' 59''$ (B1950)
 $01^h 16^m 21.2^s -73^{\circ} 14' 10''$ (J2000)
 $l: 300.45 \quad b: -43.77$

DATE: 1980/108 - 1980/108
 LIVETIME: 10549.9s
 ROLL ANGLE: -12.6°

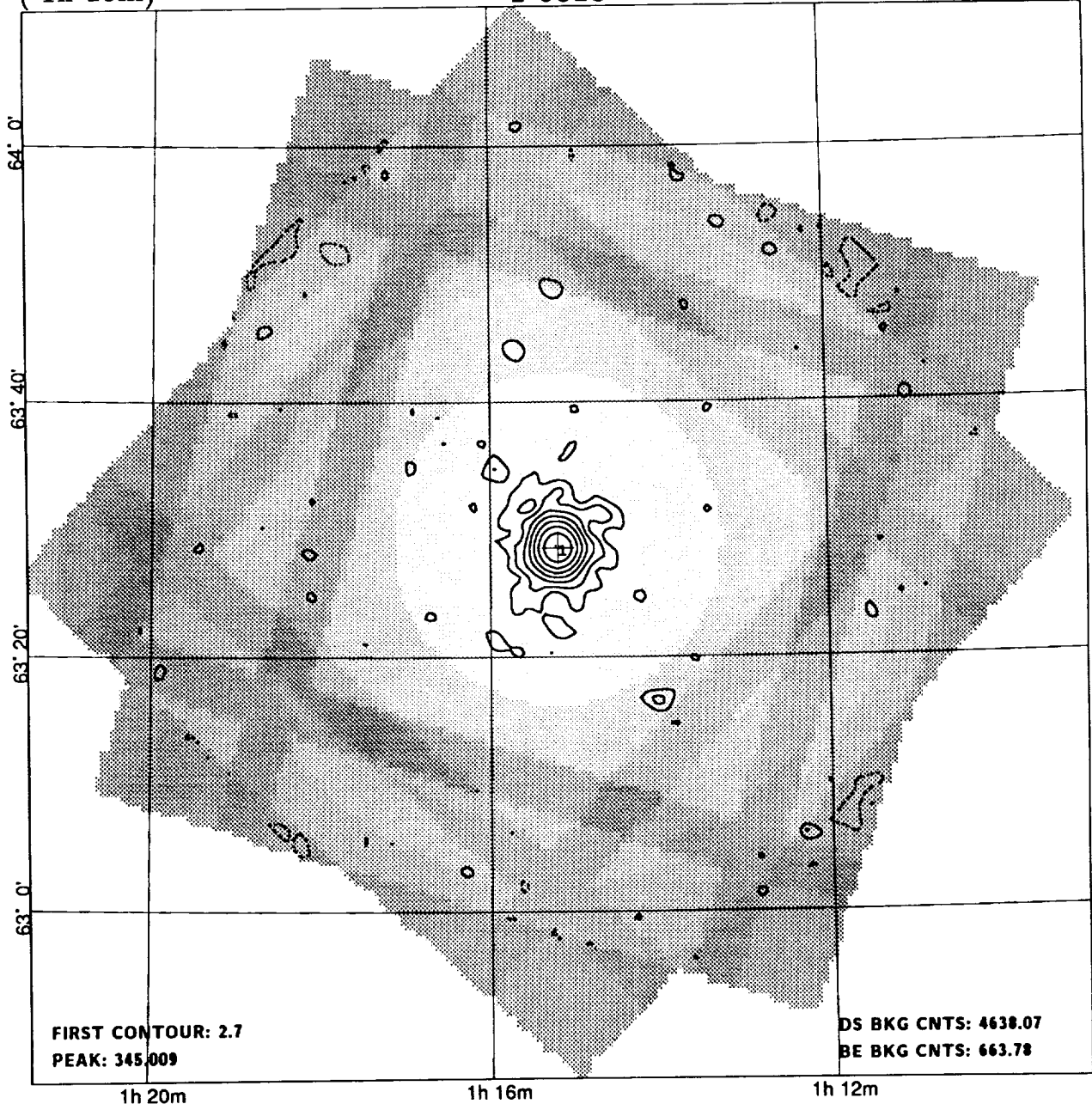
NH: $6.1E+20$
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
350	1	01 15 48.8	-73 42 02	37	0.0630	0.0032	416.3	33.7	19.6	1.1	0	12.6	AH	*
351	2	01 16 11.8	-73 26 39	43	0.0046	0.0012	34.5	43.5	3.9	0.6	0	6.2		*
358	3	01 17 19.5	-73 41 11	38	0.0194	0.0020	121.8	36.2	9.7	1.0	0	14.7	H	S
360	4	01 18 09.3	-73 16 49	51	0.0098	0.0016	56.4	32.6	6.0	1.3	0	19.0	H	*

(1h 15m)

I 6813

(1h 15m)



MONITOR 4U0115+63

FIELD CENTER: 01^h15^m12.0^s 63°28'59" (B1950)
 01^h18^m30.1^s 63°44'45" (J2000)
 l : 125.92 b : 1.03

DATE: 1980/232 - 1981/ 15
 LIVETIME: 3758.4s

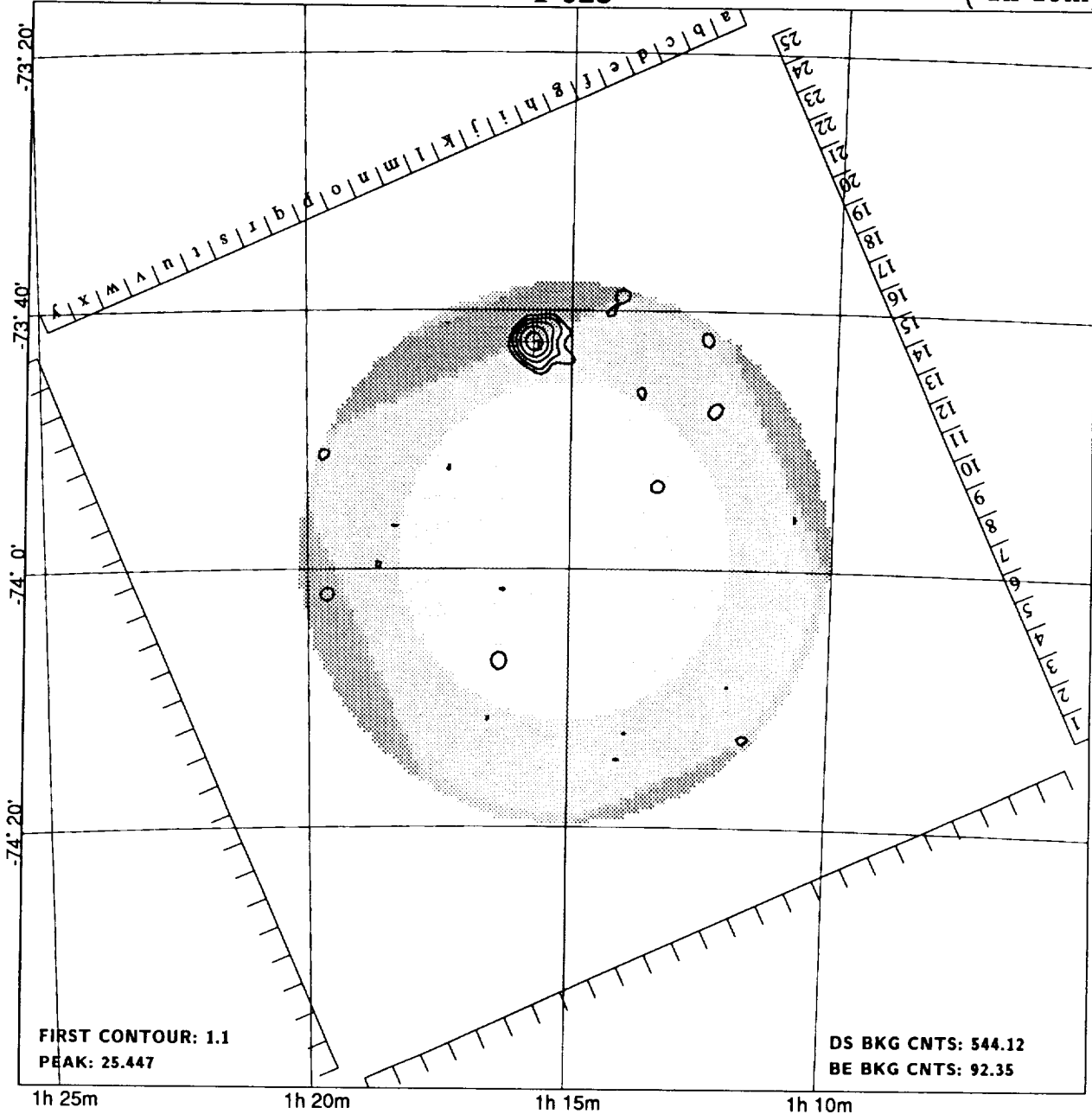
NH: 8.2E+21
 REF/ID:
 FIELD FLAGS: D

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
345	1	01 15 11.8	63 28 37	31	0.528	0.014	1480.1	12.9	38.3	1.3	0	0.4	H	S

(1h 15m)

I 623

(1h 15m)



SMC SURVEY

FIELD CENTER: $01^h 15^m 13.8^s$ $-73^\circ 58' 34''$ (B1950)
 $01^h 16^m 32.6^s$ $-73^\circ 42' 46''$ (J2000)
 $l: 300.52$ $b: -43.30$

DATE: 1979/316 - 1979/316
 LIVETIME: 440.9s
 ROLL ANGLE: 156.0°

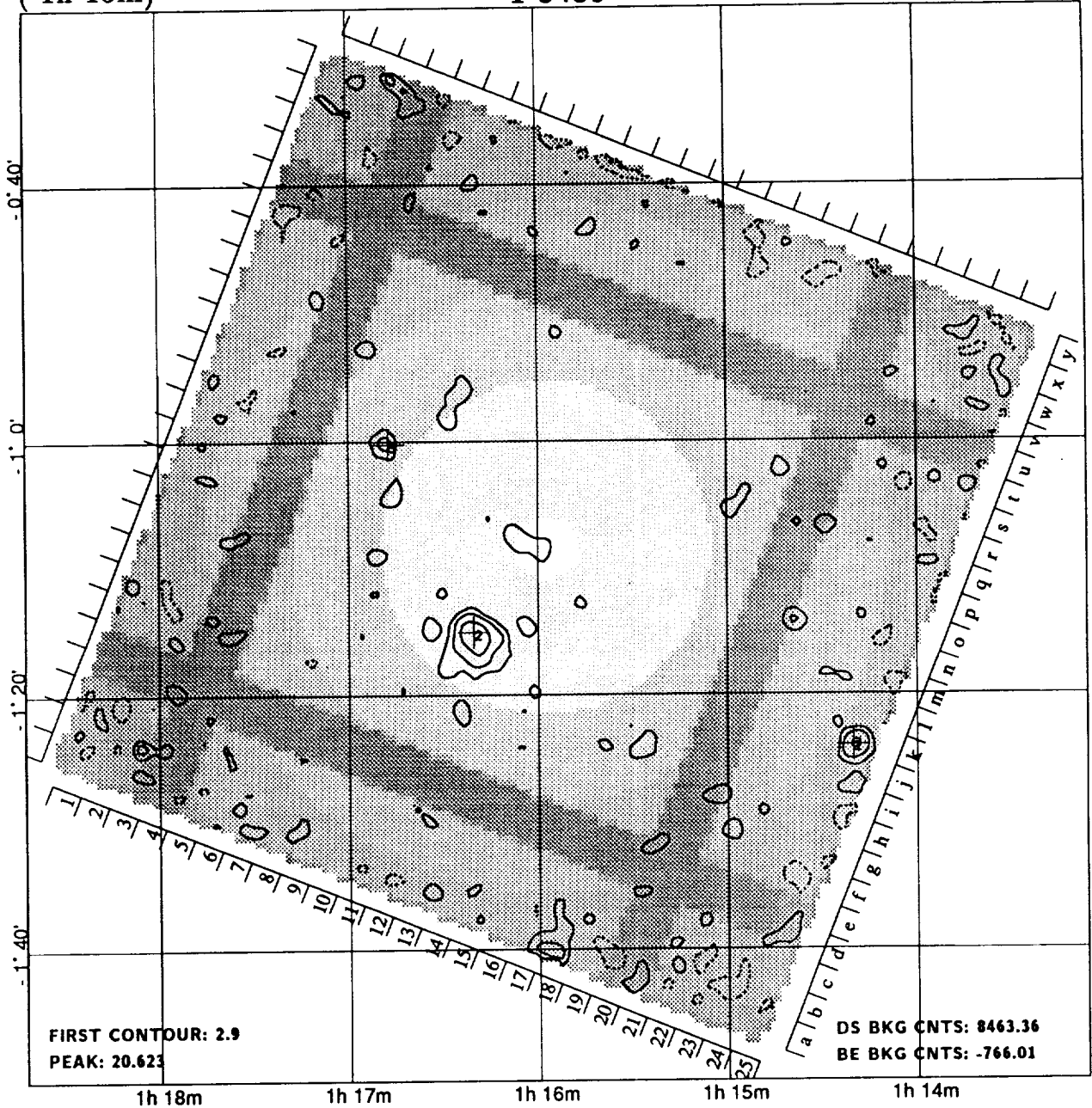
NH: 5.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
350	1	01 15 43.3	-73 42 31	48	*0.271	0.033	67.9	1.1	8.2	1.0	904	16.3	AH	*

(1h 15m)

I 8459

(1h 15m)



OPTICALLY SELECTED QSO'S: MCS 314

FIELD CENTER: $01^{\text{h}}15^{\text{m}}54.0^{\text{s}}$ $-01^{\circ}08'11''$ (B1950)
 $01^{\text{h}}18^{\text{m}}27.4^{\text{s}}$ $-00^{\circ}52'25''$ (J2000)
 $l: 137.92$ $b: -62.96$

DATE: 1980/195 - 1980/195
 LIVETIME: 6858.1s
 ROLL ANGLE: -68.4°

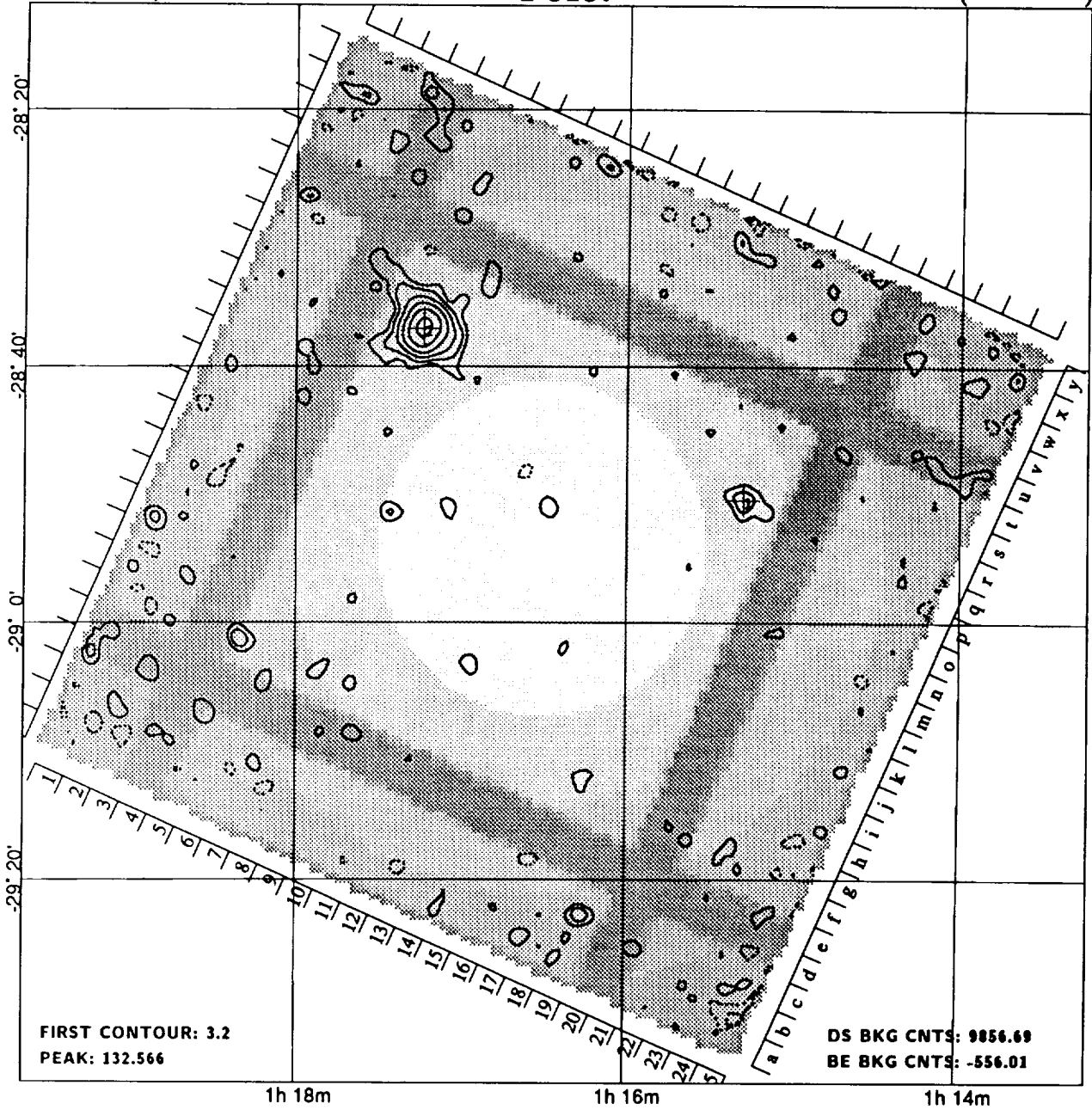
NH: $4.0\text{E}+20$
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
341	1	01 14 20.2	-01 23 57	55	0.0101	0.0024	25.6	11.4	4.2	0.8	200	28.1	H	
352	2	01 16 20.5	-01 14 59	38	0.0167	0.0021	77.5	17.5	7.9	1.7	0	9.6	H	G
356	3	01 16 47.4	-01 00 14	55	0.0057	0.0015	23.2	14.8	3.8	0.6	0	15.5	H	

(1h 16m)

I 5157

(1h 16m)



GAMMA RAY BURST SOURCE FIELDS #1

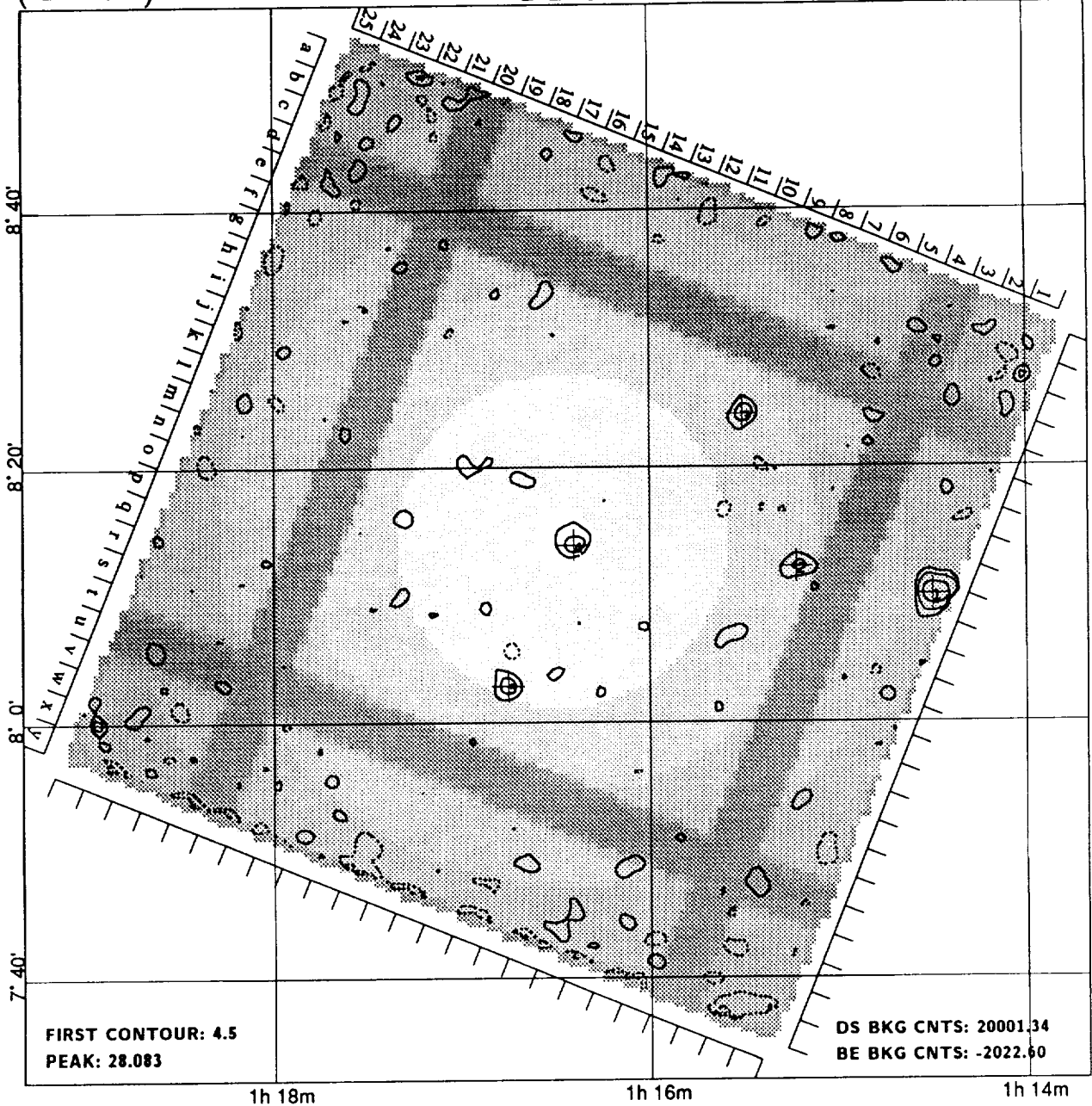
FIELD CENTER: 01^h16^m26.0^s -28°53'59" (B1950) DATE: 1980/183 - 1980/184 NH: 1.7E+20
 01^h18^m47.6^s -28°38'14" (J2000) LIVETIME: 7987.1s REF/ID: *
 l : 228.53 b : -83.77 ROLL ANGLE: -66.1° FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
347	1	01 15 17.7	-28 50 27	52	0.0058	0.0015	26.6	19.4	3.9	0.9	0	15.2	
357	2	01 17 13.9	-28 37 04	47	0.0915	0.0048	377.1	15.9	19.0	1.5	0	19.9	H

(1h 16m)

I 270

(1h 16m)



PKS 0116+08 CLUSTER EVOLUTION

FIELD CENTER: $01^h 16^m 30.0^s$ $08^{\circ} 13' 59''$ (B1950)
 $01^h 19^m 07.0^s$ $08^{\circ} 29' 45''$ (J2000)
 $l: 134.56$ $b: -53.75$

DATE: 1979 / 12 - 1981 / 4
 LIVETIME: 16207.6s
 ROLL ANGLE: 112.0°

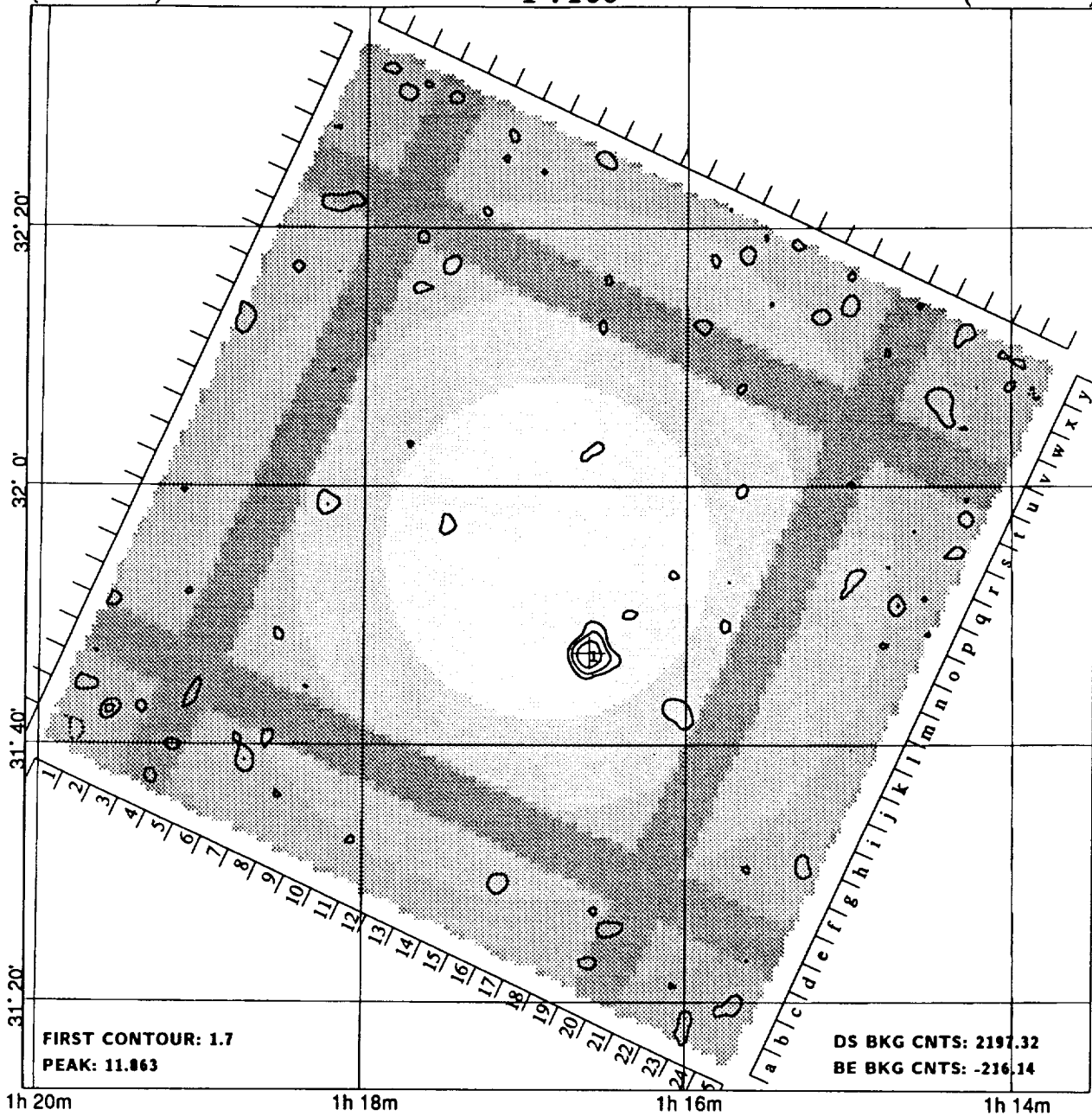
NH: $4.3E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
342	1	01 14 29.8	08 09 59	51	0.0112	0.0017	64.1	27.9	6.7	1.0	300	29.8	H	
346	2	01 15 13.2	08 12 10	58	0.00355	0.00087	30.7	26.3	4.1	0.7	300	19.1	H	
348	3	01 15 30.3	08 24 06	52	0.00346	0.00087	31.1	29.9	4.0	0.7	0	17.9		
353	4	01 16 24.2	08 13 52	36	0.00366	0.00076	44.2	39.8	4.8	0.8	0	1.5	H	CLG
355	5	01 16 45.4	08 02 53	42	0.00379	0.00085	39.2	37.8	4.5	0.6	0	11.7		

(1h 16m)

I 7160

(1h 16m)



FIRST CONTOUR: 1.7
PEAK: 11.863

DS BKG CNTS: 2197.32
BE BKG CNTS: -216.14

1h 20m

1h 18m

1h 16m

1h 14m

0116+31, BURSTING RADIO SOURCE

FIELD CENTER: 01^h16^m47.5^s 31°55'09" (B1950)
01^h19^m35.2^s 32°10'54" (J2000)
ℓ: 129.83 b: -30.31

DATE: 1980/207 - 1980/208
LIVETIME: 1780.5s
ROLL ANGLE: -65.1°

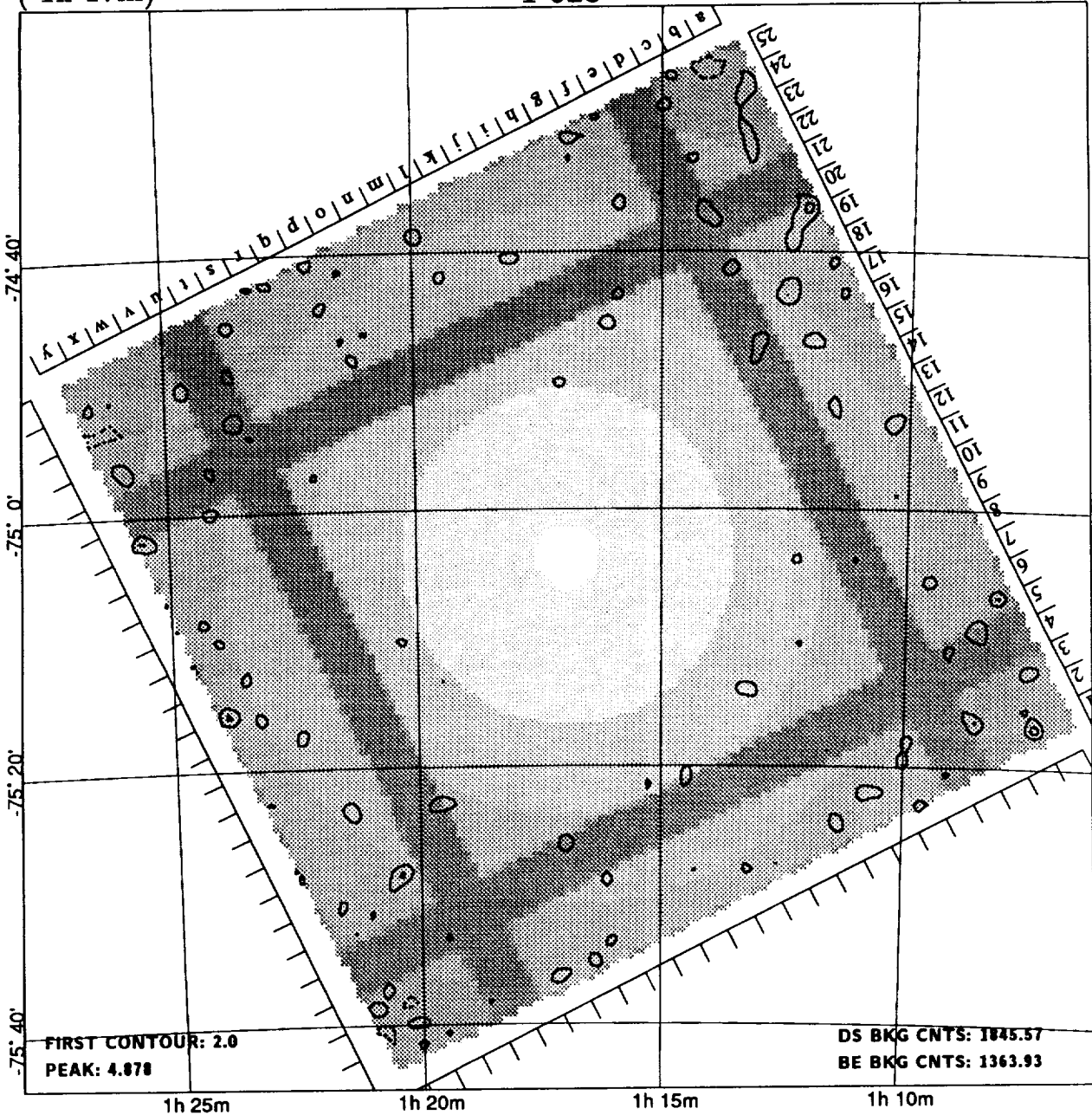
NH: 5.8E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
354	1	01 16 36.0	31 47 05	41	0.0372	0.0058	45.1	4.9	6.4	1.0	0	8.4	H	AGN

(1h 17m)

I 628

(1h 17m)



SMC SURVEY

FIELD CENTER: $01^h 17^m 07.7^s$ $-75^\circ 03' 06''$ (B1950)
 $01^h 18^m 18.9^s$ $-74^\circ 47' 21''$ (J2000)
 $l: 300.56$ $b: -42.21$

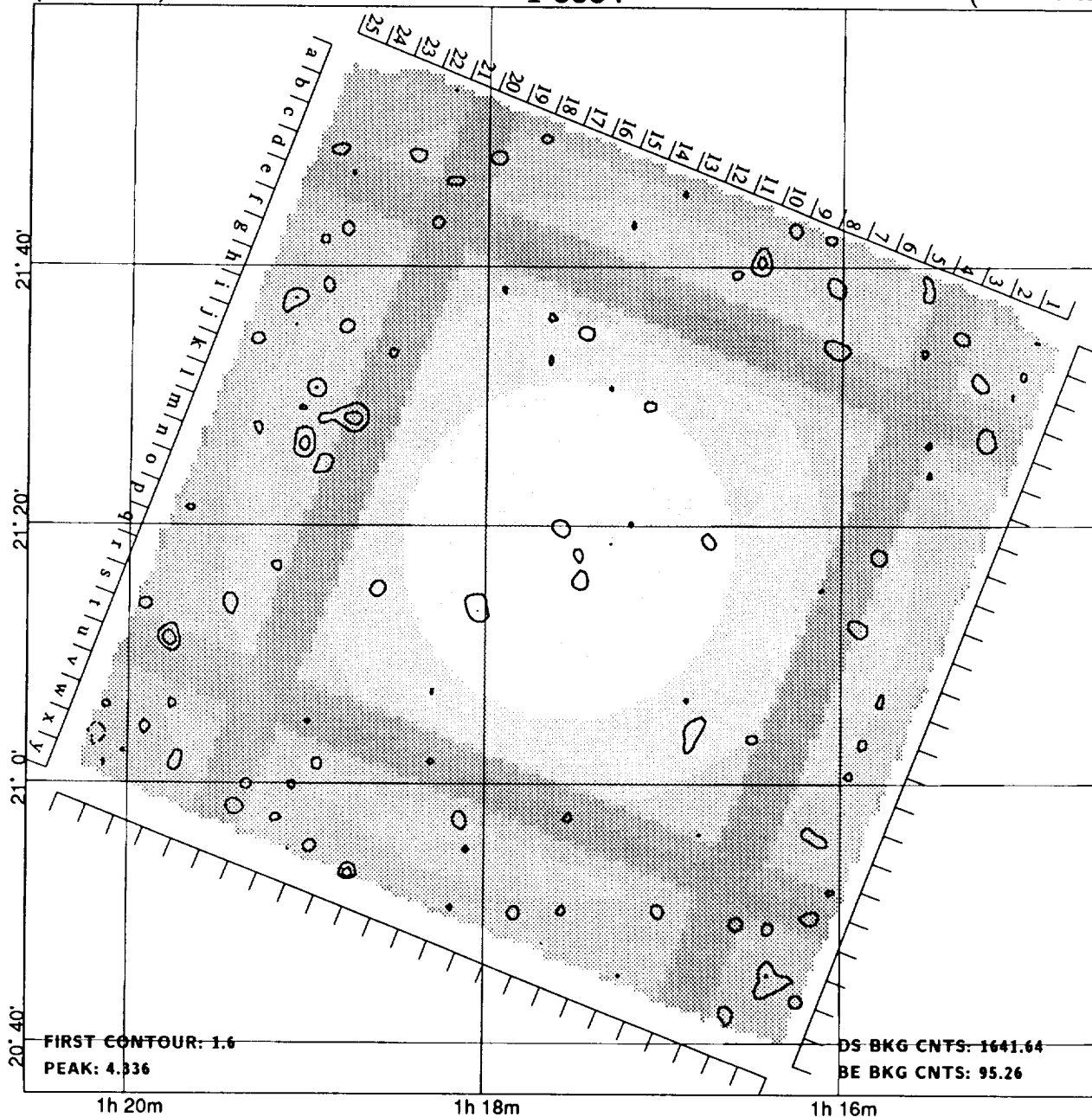
DATE: 1979/316 - 1979/316
 LIVETIME: 1495.5s
 ROLL ANGLE: 153.7°

NH: $4.3E+20$
 REF/ID:
 FIELD FLAGS: L

(1h 17m)

I 5354

(1h 17m)



FIRST CONTOUR: 1.6
PEAK: 4.336

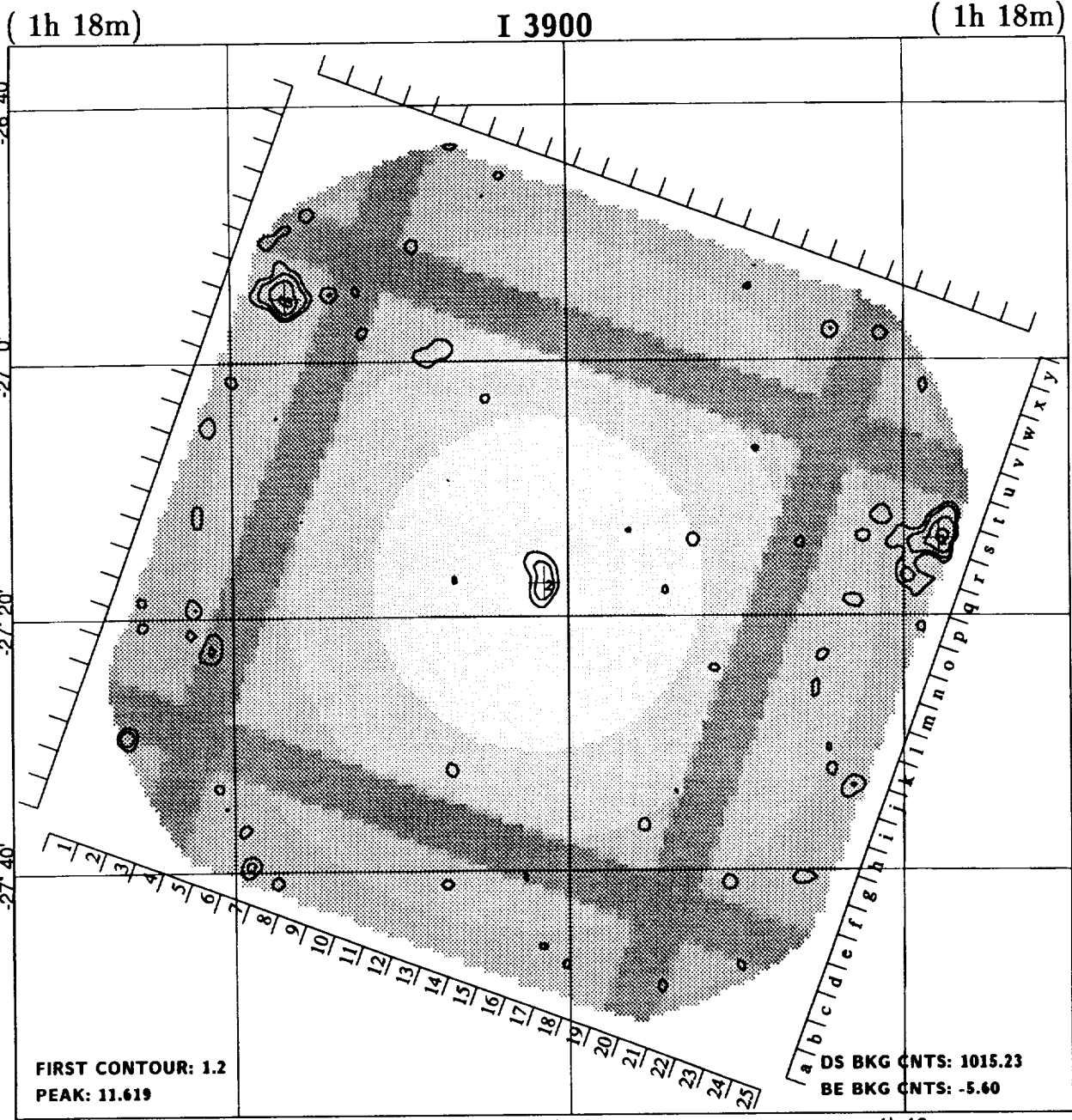
DS BKG CNTS: 1641.64
BE BKG CNTS: 95.26

SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: 01^h17^m34.1^s 21°18'00" (B1950)
01^h20^m16.7^s 21°33'44" (J2000)
ℓ: 131.80 b: -40.81

DATE: 1980/ 11 - 1980/ 11
LIVETIME: 1330.3s
ROLL ANGLE: 111.3°

NH: 4.9E+20
REF/ID:
FIELD FLAGS:



0118-272, BL-LAC OBJECT

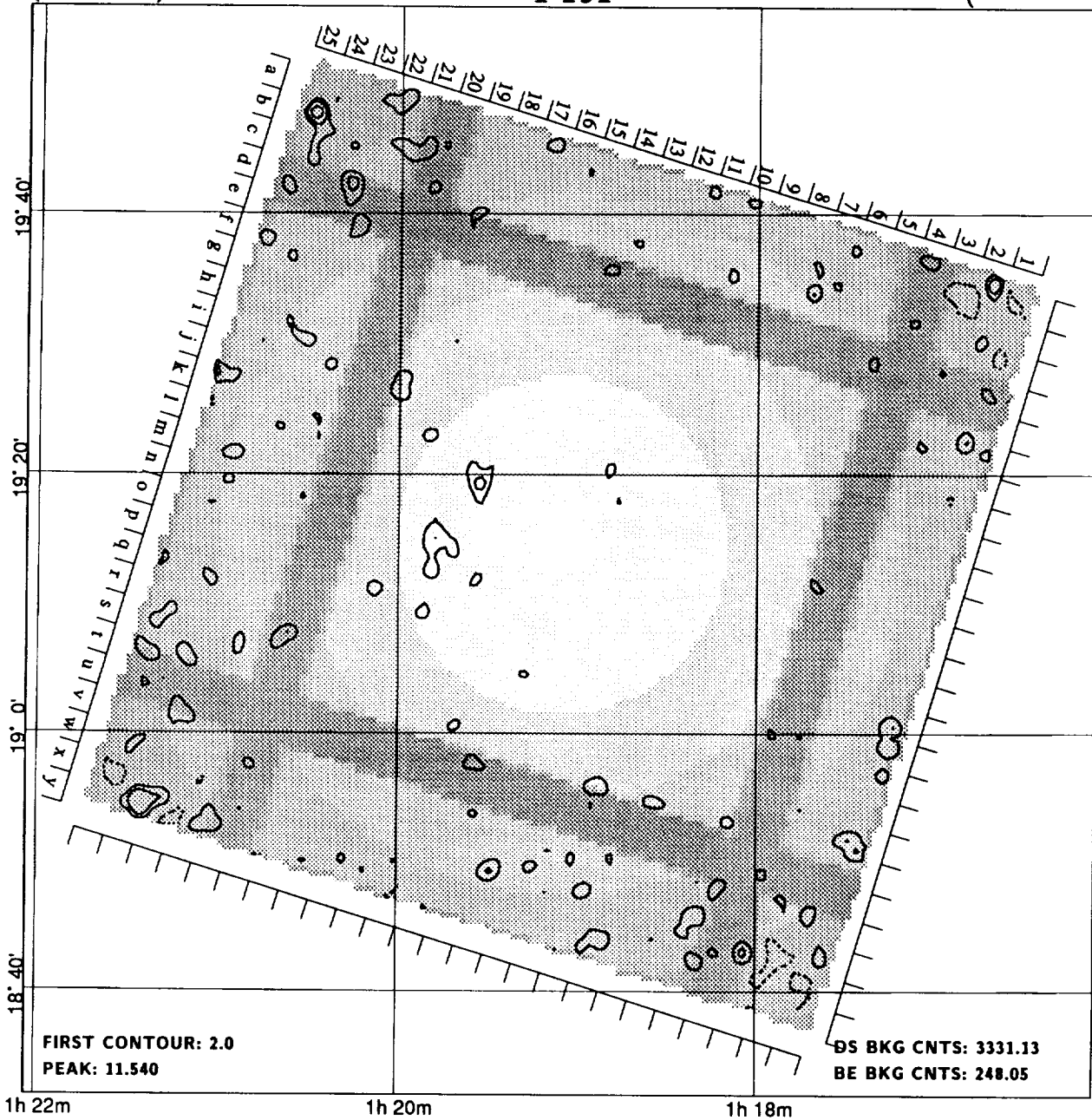
FIELD CENTER: 01 ^h 18 ^m 09.5 ^s -27°17'06" (B1950) 01 ^h 20 ^m 31.6 ^s -27°01'23" (J2000) ℓ : 213.66 b : -83.52	DATE: 1979/191 - 1979/191 LIVETIME: 822.7s ROLL ANGLE: -69.9°	NH: 1.4E+20 REF/ID: FIELD FLAGS:
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CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
349	1	01 15 47.5	-27 13 59	52	*0.077	0.018	19.5	1.5	4.2	1.5	501	31.7	H	
359	2	01 18 08.7	-27 17 21	37	0.0252	0.0069	15.5	2.5	3.6	1.4	0	1.5	H	BL
364	3	01 19 40.6	-26 55 07	51	0.071	0.016	20.3	1.7	4.3	1.1	0	30.0	H	

(1h 19m)

I 191

(1h 19m)



A179 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: 01^h19^m06.0^s 19°13'58" (B1950)
01^h21^m47.8^s 19°29'39" (J2000)
ℓ: 132.70 b: -42.80

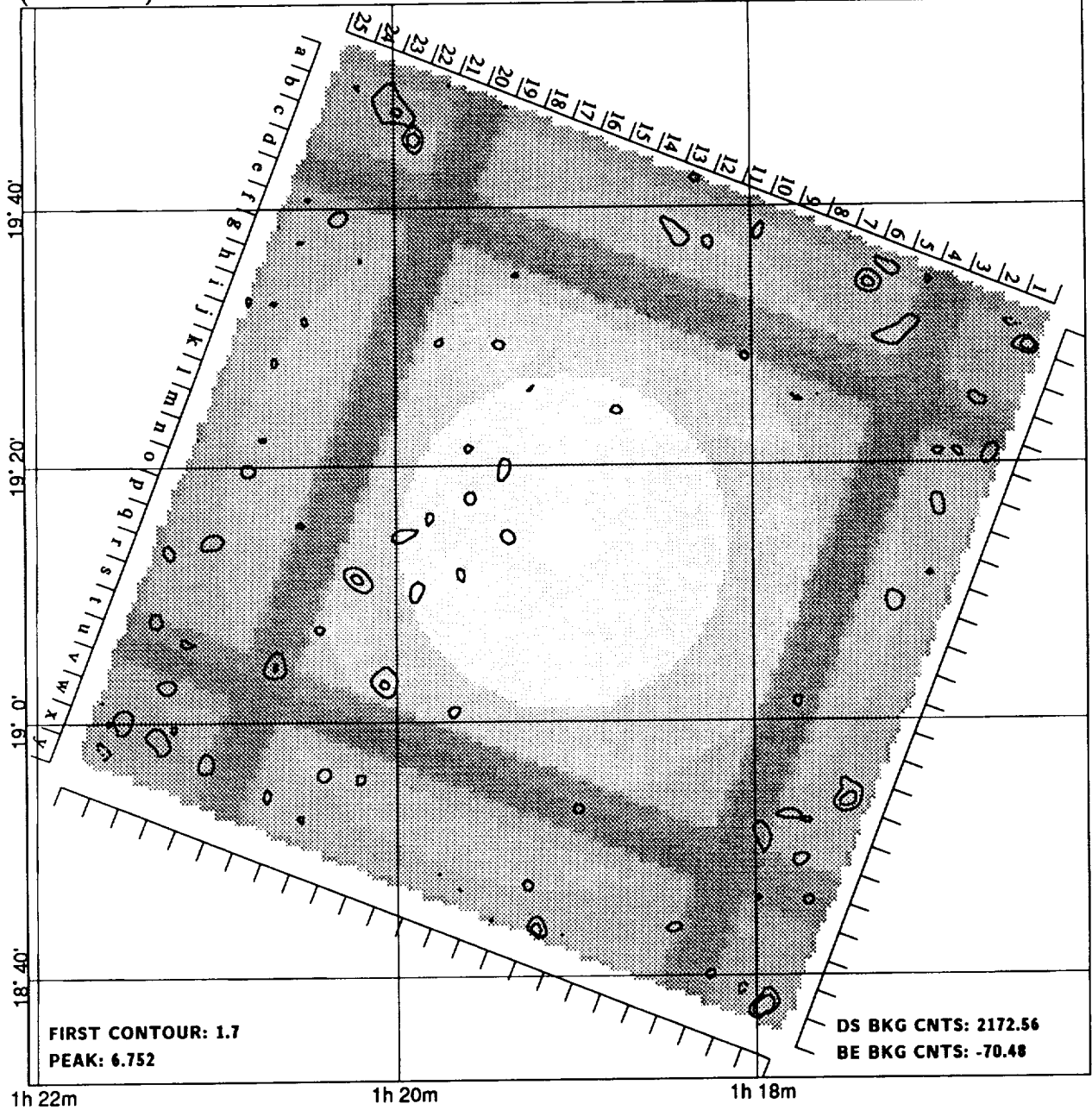
DATE: 1979/ 13 - 1979/ 13
LIVETIME: 2699.3s
ROLL ANGLE: 106.9°

NH: 4.7E+20
REF/ID:
FIELD FLAGS:

(1h 19m)

I 6279

(1h 19m)



A 179, COMPLETE SURVEY OF ABELL CLUSTERS

FIELD CENTER: $01^h 19^m 06.0^s$ $19^\circ 13' 59''$ (B1950)
 $01^h 21^m 47.8^s$ $19^\circ 29' 40''$ (J2000)
 $l: 132.70$ $b: -42.80$

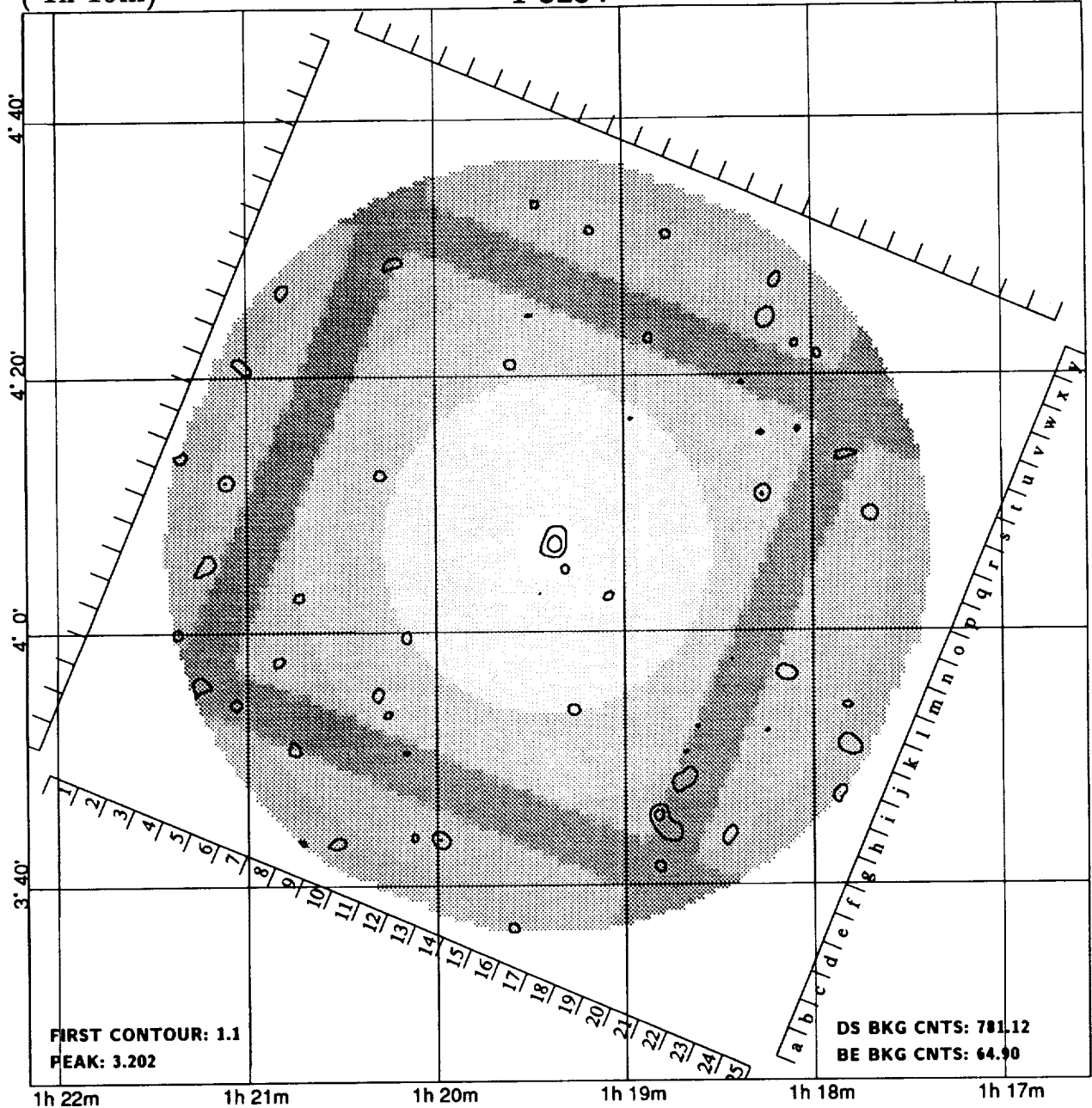
DATE: 1980/ 10 - 1980/ 10
 LIVETIME: 1760.5s
 ROLL ANGLE: 111.3°

NH: $4.7E+20$
 REF/ID:
 FIELD FLAGS:

(1h 19m)

I 3254

(1h 19m)



0119+04: EXTRAGALACTIC STRONG MILLIMETER SOURCES

FIELD CENTER: $01^{\text{h}}19^{\text{m}}21.3^{\text{s}}$ $04^{\circ}06'45''$ (B1950)
 $01^{\text{h}}21^{\text{m}}56.8^{\text{s}}$ $04^{\circ}22'26''$ (J2000)
 $l: 137.25$ $b: -57.65$

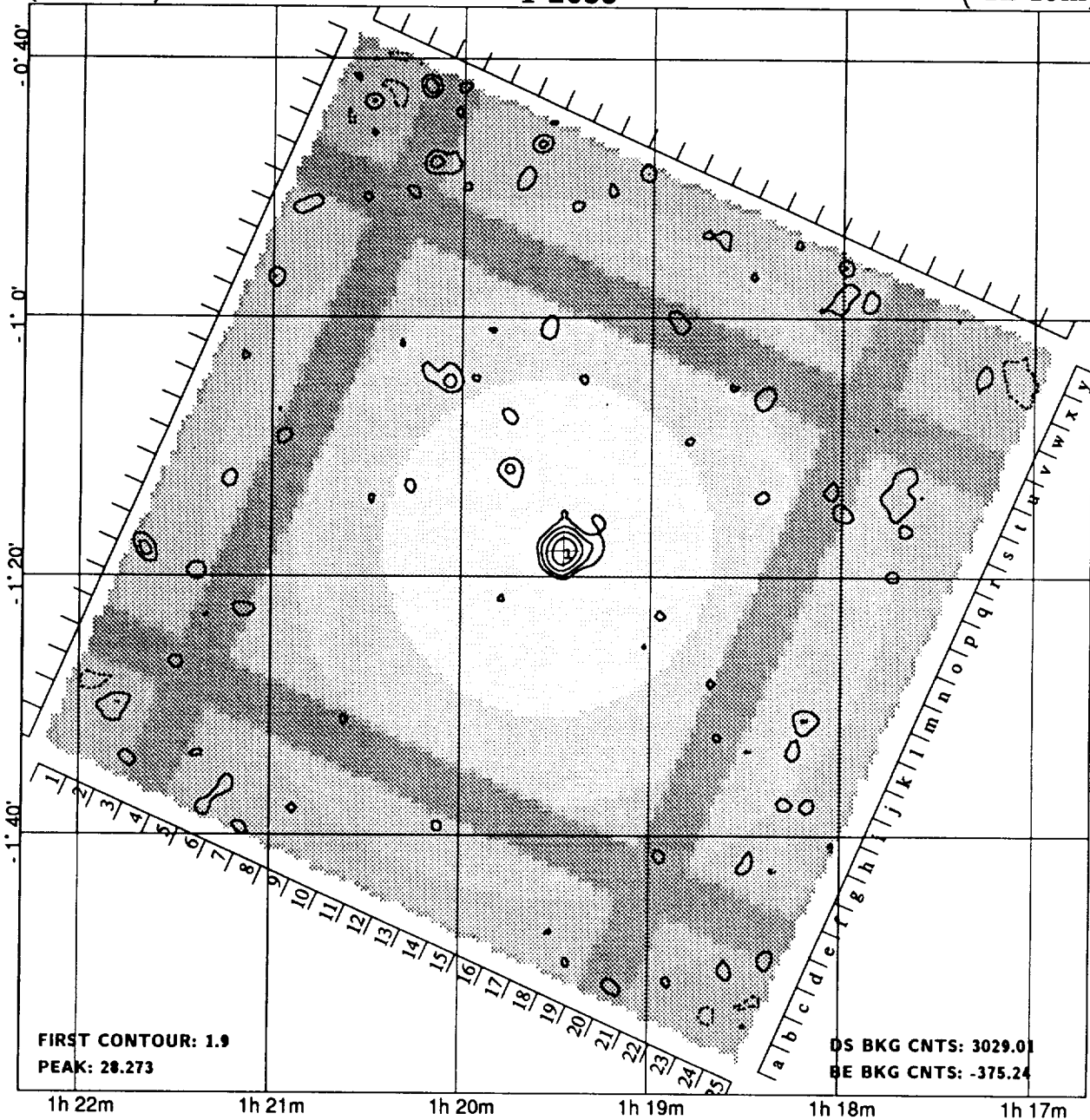
DATE: 1979/181 - 1979/181
 LIVETIME: 633.0%
 ROLL ANGLE: -67.2°

NH: $3.4\text{E}+20$
 REF/ID: *
 FIELD FLAGS:

(1h 19m)

I 2633

(1h 19m)



SEYFERT GALAXY SURVEY: II ZW1

FIELD CENTER: $01^h 19^m 30.0^s$ $-01^\circ 17' 59''$ (B1950)
 $01^h 22^m 03.3^s$ $-01^\circ 02' 19''$ (J2000)
 $l: 139.93$ $b: -62.90$

DATE: 1979/179 - 1979/179
 LIVETIME: 2454.5s
 ROLL ANGLE: -66.0°

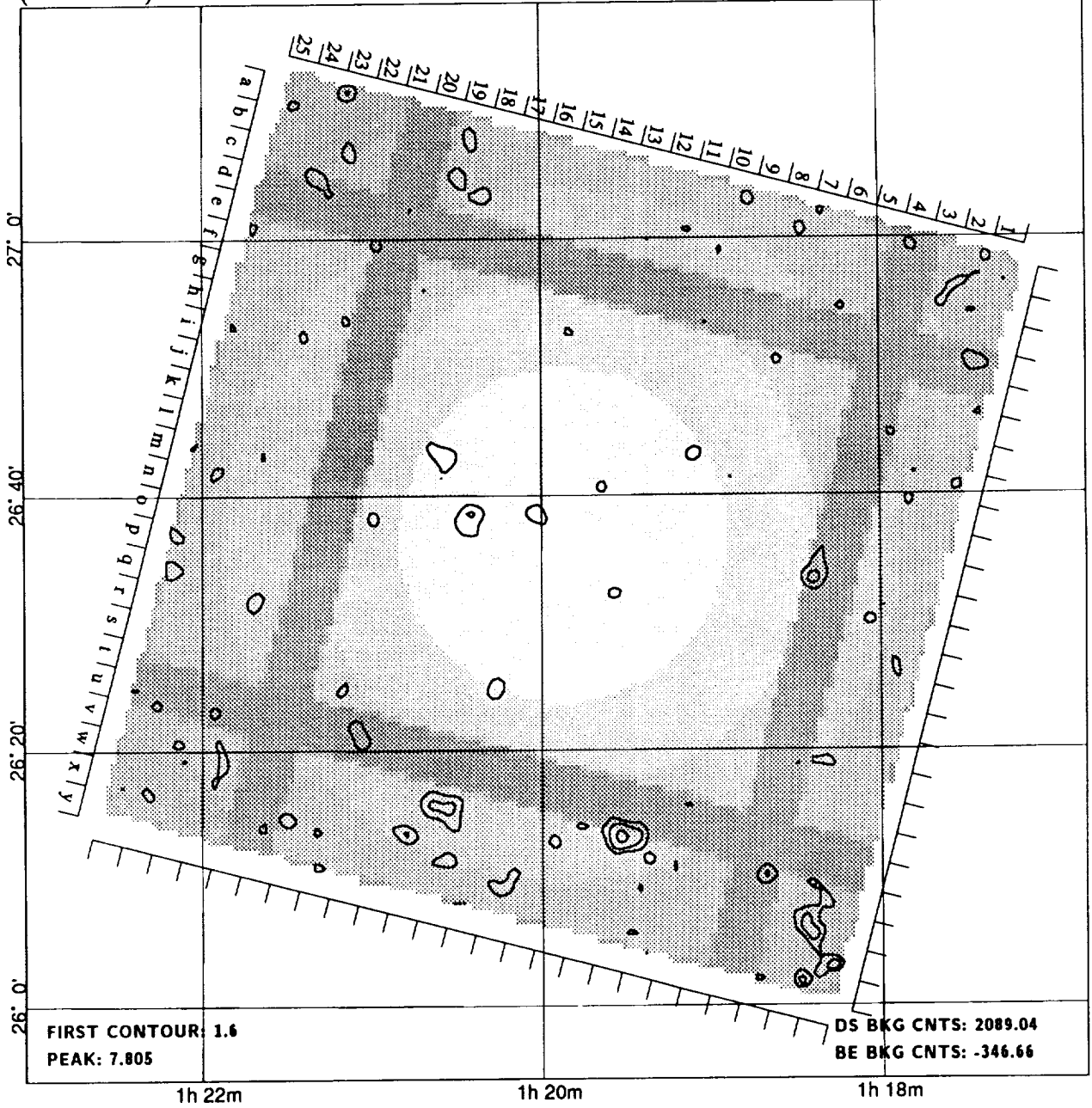
NH: $3.9E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
363	1	01 19 27.5	-01 17 58	31	0.0611	0.0060	111.3	6.7	10.2	1.1	0	0.7	H SY

(1h 19m)

I 9163

(1h 19m)



S-TYPE MARKARIAN GALAXIES: MK 355

FIELD CENTER: $01^h 19^m 55.0^s$ $26^\circ 36' 22''$ (B1950)
 $01^h 22^m 40.4^s$ $26^\circ 52' 02''$ (J2000)
 $l: 131.49$ $b: -35.48$

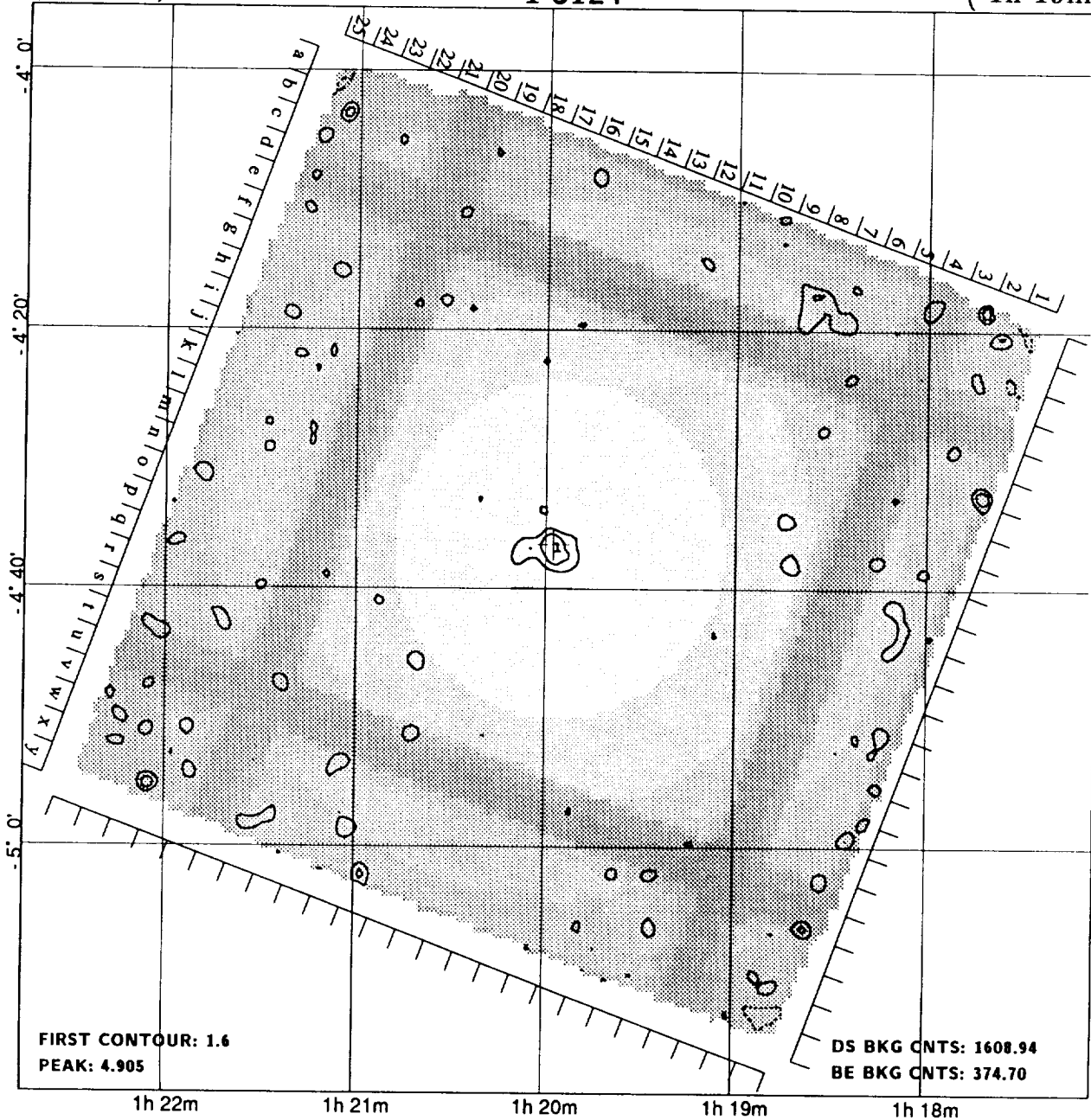
DATE: 1980/358 - 1980/358
 LIVETIME: 1692.8s
 ROLL ANGLE: 104.5°

NH: $6.7E+20$
 REF/ID:
 FIELD FLAGS:

(1h 19m)

I 5124

(1h 19m)



QSO PKS0119-046

FIELD CENTER: $01^{\text{h}}19^{\text{m}}56.0^{\text{s}}$ $-04^{\circ}37'06''$ (B1950)
 $01^{\text{h}}22^{\text{m}}27.9^{\text{s}}$ $-04^{\circ}21'26''$ (J2000)
 $l: 142.30$ $b: -66.06$

DATE: 1980/ 16 - 1980/ 16
 LIVETIME: 1303.8s
 ROLL ANGLE: 110.5°

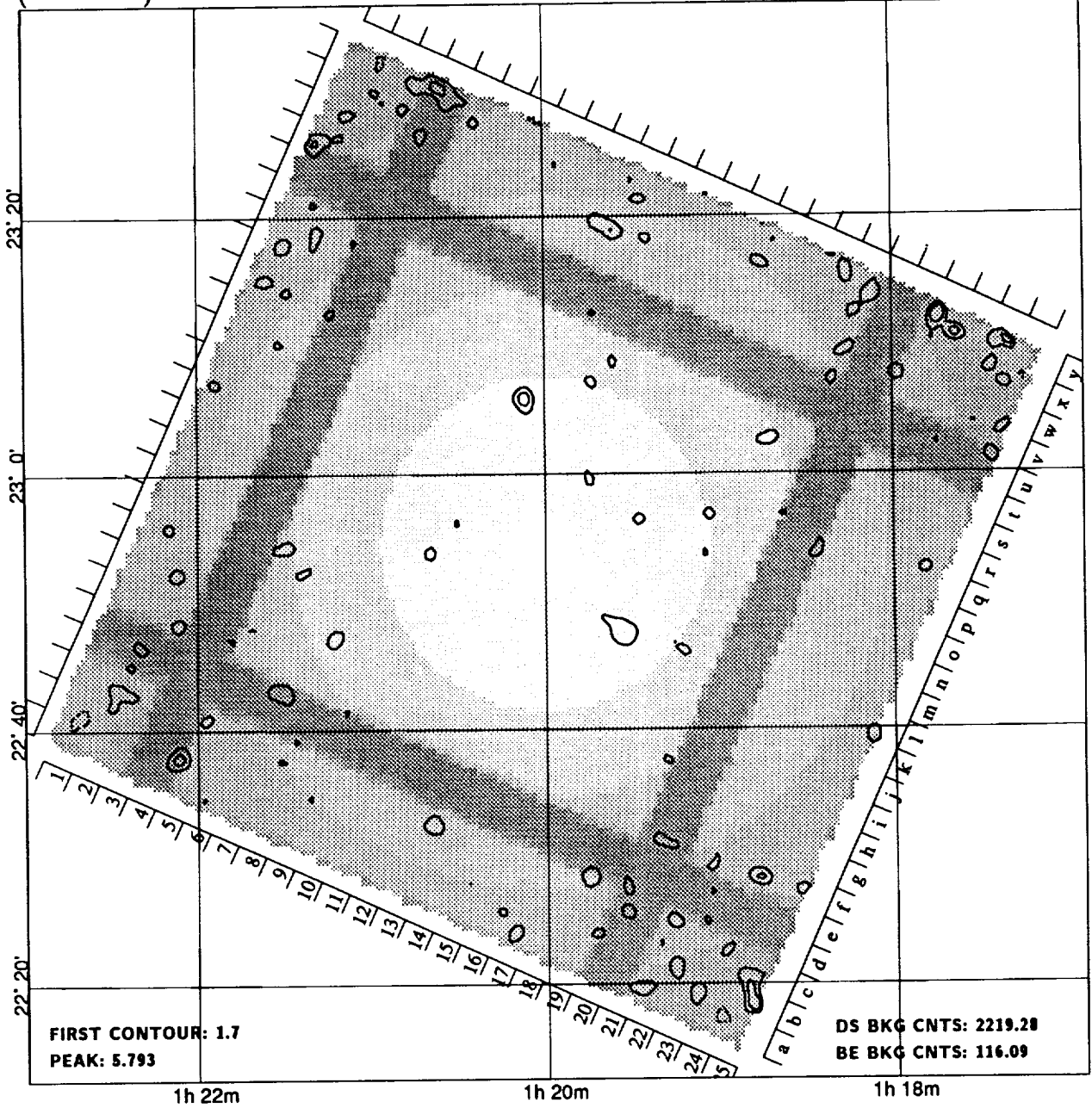
NH: $4.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
366	1	01 19 57.6	-04 36 35	37	0.0191	0.0050	18.6	5.4	3.8	1.4	0	0.6	H	Q

(1h 19m)

I 8427

(1h 19m)



SURVEY OF BRIGHT (PG) QUASARS

FIELD CENTER: $01^h 19^m 56.8^s$ $22^\circ 54' 34''$ (B1950)
 $01^h 22^m 40.4^s$ $23^\circ 10' 14''$ (J2000)
 $l: 132.20$ $b: -39.14$

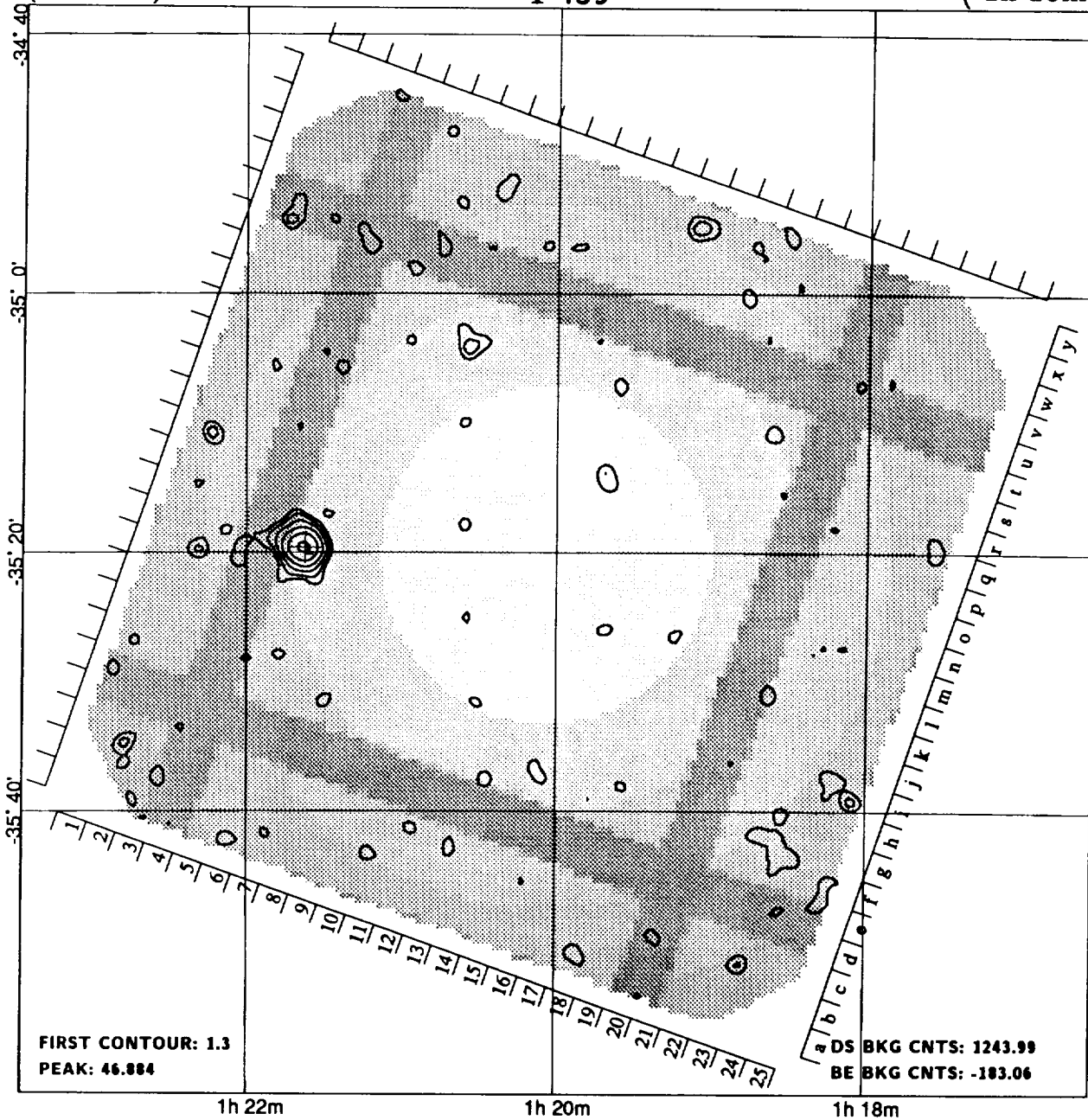
DATE: 1980/209 - 1980/209
 LIVETIME: 1798.3s
 ROLL ANGLE: -65.8°

NH: $5.8E+20$
 REF/ID:
 FIELD FLAGS:

(1h 20m)

I 439

(1h 20m)



NGC 526/27 ABNORMAL GALAXIES SURVEY

FIELD CENTER: $01^h 20^m 00.0^s$ $-35^\circ 19' 58''$ (B1950)
 $01^h 22^m 17.4^s$ $-35^\circ 04' 18''$ (J2000)
 $l: 265.12$ $b: -79.68$

DATE: 1979/191 - 1979/191
 LIVETIME: 1008.0s
 ROLL ANGLE: -70.8°

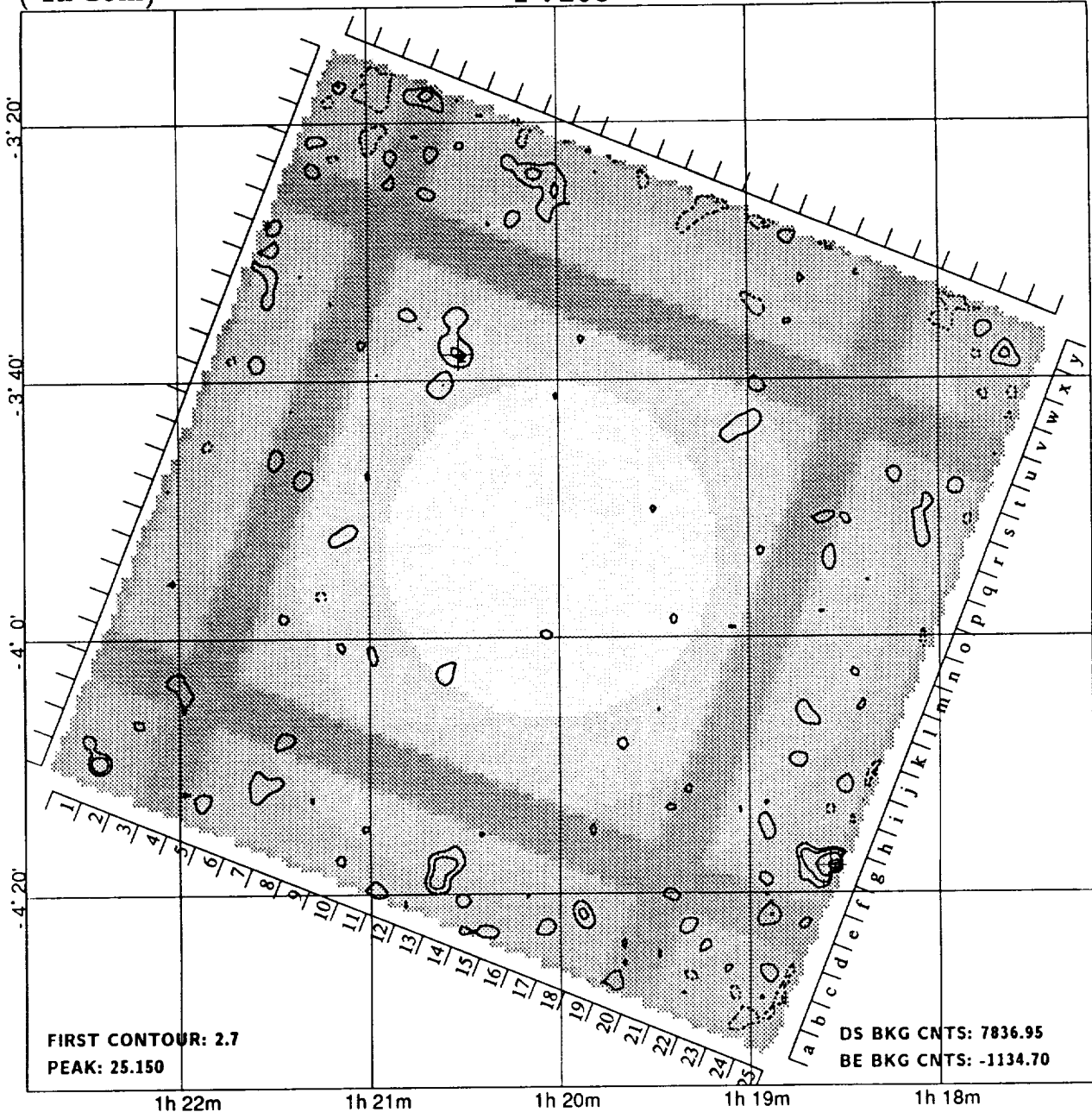
NH: $2.1E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
377	1	01 21 37.4	-35 19 36	48	*0.245	0.022	129.6	1.4	11.3	1.1	501	19.9	H

(1h 20m)

I 7208

(1h 20m)



N526 A, VARIABILITY OF TYPE 2 SEYFERTS

FIELD CENTER: 01^h20^m00.0^s -03°52'59" (B1950)
 01^h22^m32.2^s -03°37'19" (J2000)
 l : 141.82 b : -65.35

DATE: 1980/193 - 1980/195
 LIVETIME: 6350.5s
 ROLL ANGLE: -68.3°

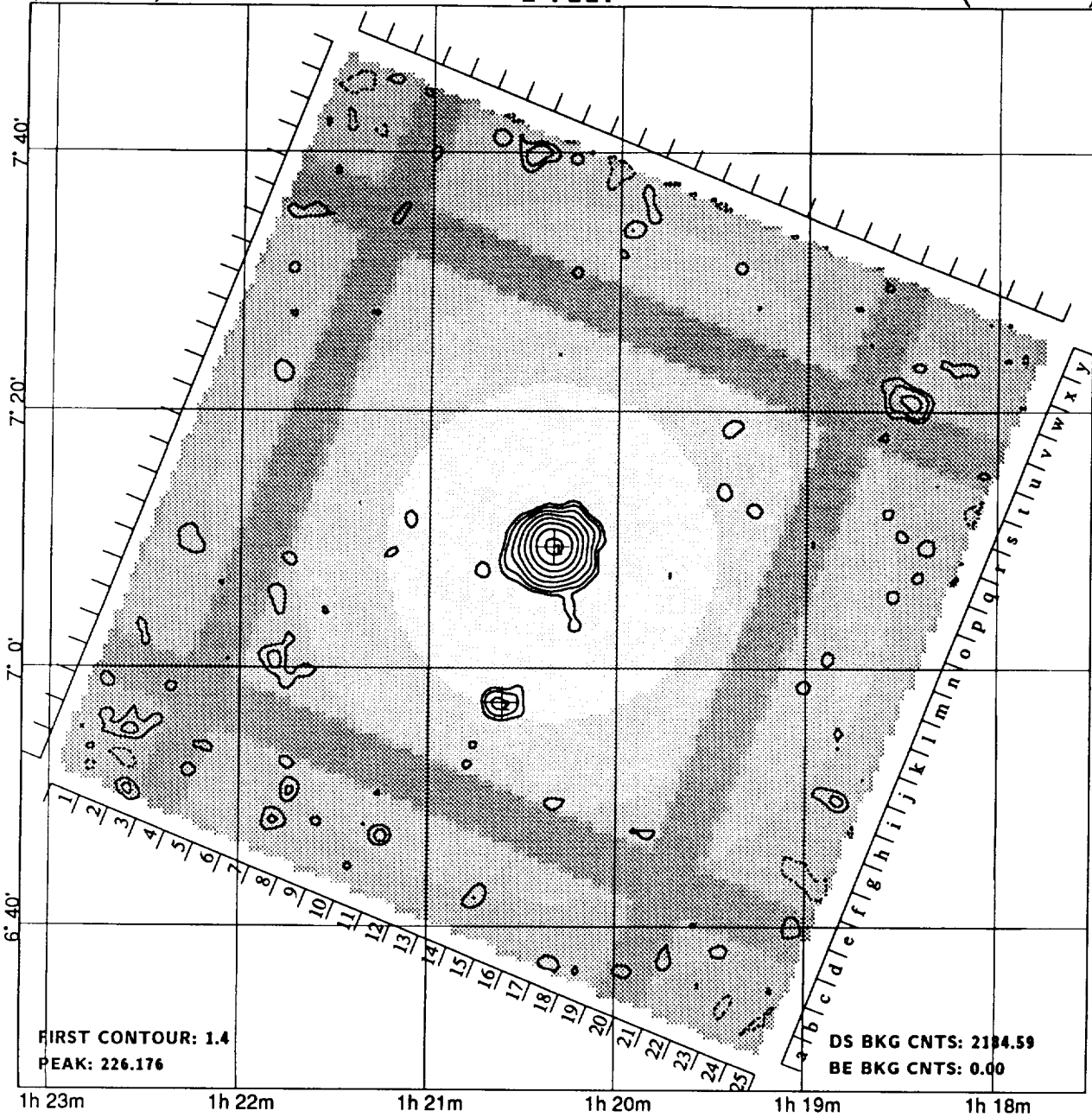
NH: 3.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
361	1	01 18 34.5	-04 17 53	50	*0.0273	0.0049	40.1	10.9	5.6	1.0	703	32.7	EH
372	2	01 20 31.5	-03 37 59	55	0.0062	0.0016	22.1	11.9	3.8	1.1	0	16.6	H

(1h 20m)

I 7117

(1h 20m)



HO123+075, UNIDENTIFIED HEAO A2 SOURCE

FIELD CENTER: $01^h 20^m 19.7^s$ $07^\circ 09' 19''$ (B1950)
 $01^h 22^m 56.4^s$ $07^\circ 24' 58''$ (J2000)
 $l: 136.51$ $b: -54.62$

DATE: 1980/197 - 1980/197
 LIVETIME: 1770.2s
 ROLL ANGLE: -68.2°

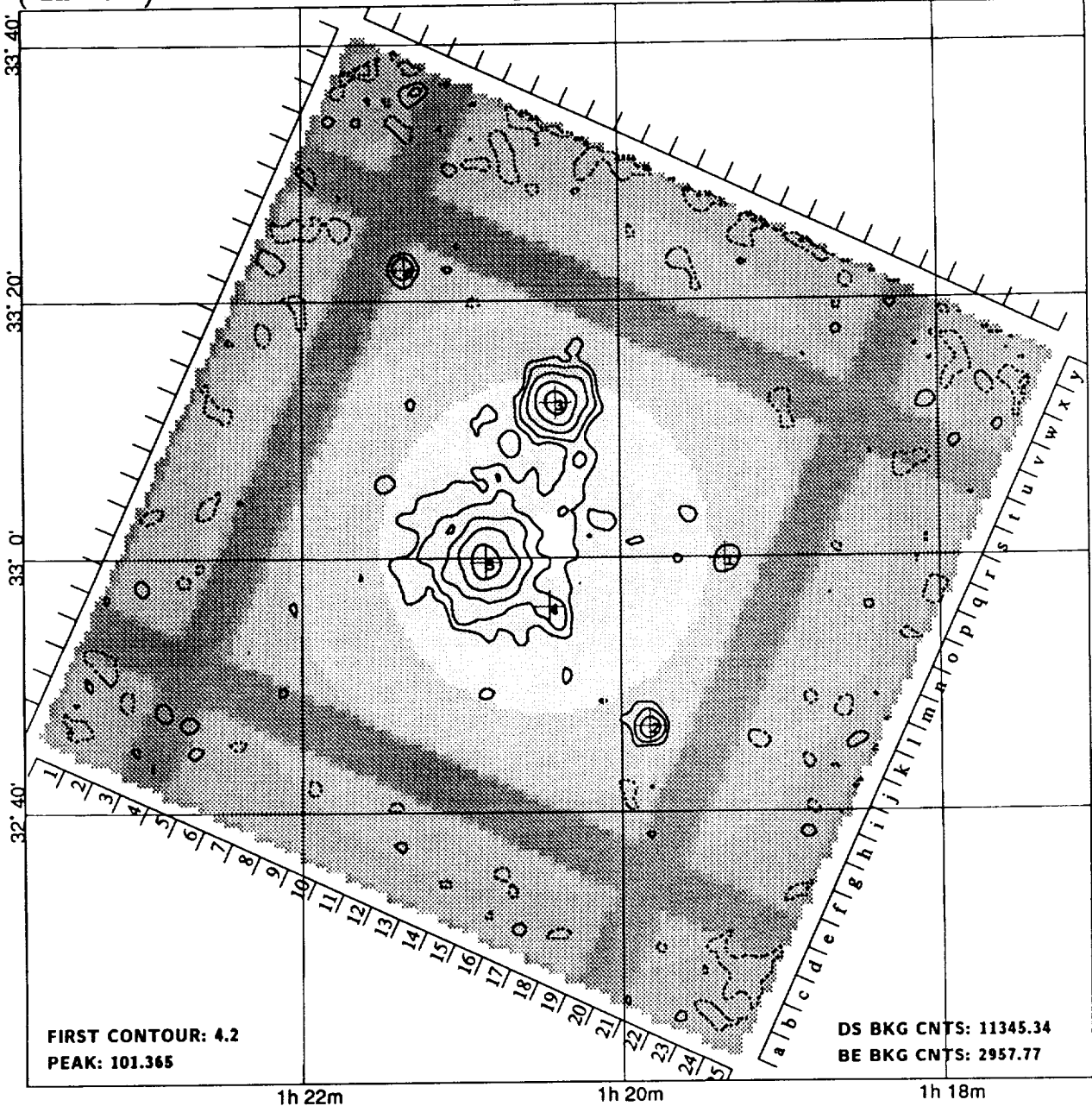
NH: $4.1E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	FLG
368	1L	01 20 20.3	07 09 30	31	0.686	0.028	903.4	161.6	24.1	1.4	0	0.4		
373	2L	01 20 36.5	06 57 20	42	0.0224	0.0054	25.3	3.7	4.0	0.9	0	12.7		

(1h 20m)

I 7766

(1h 20m)



PISCES, SPIRAL-RICH CLUSTERS OF GALAXIES

FIELD CENTER: $01^{\text{h}}20^{\text{m}}24.0^{\text{s}}$ $33^{\circ}00'59''$ (B1950)
 $01^{\text{h}}23^{\text{m}}13.0^{\text{s}}$ $33^{\circ}16'38''$ (J2000)
 $l: 130.53$ $b: -29.12$

DATE: 1980/208 - 1980/208
 LIVETIME: 9193.4s
 ROLL ANGLE: -65.5°

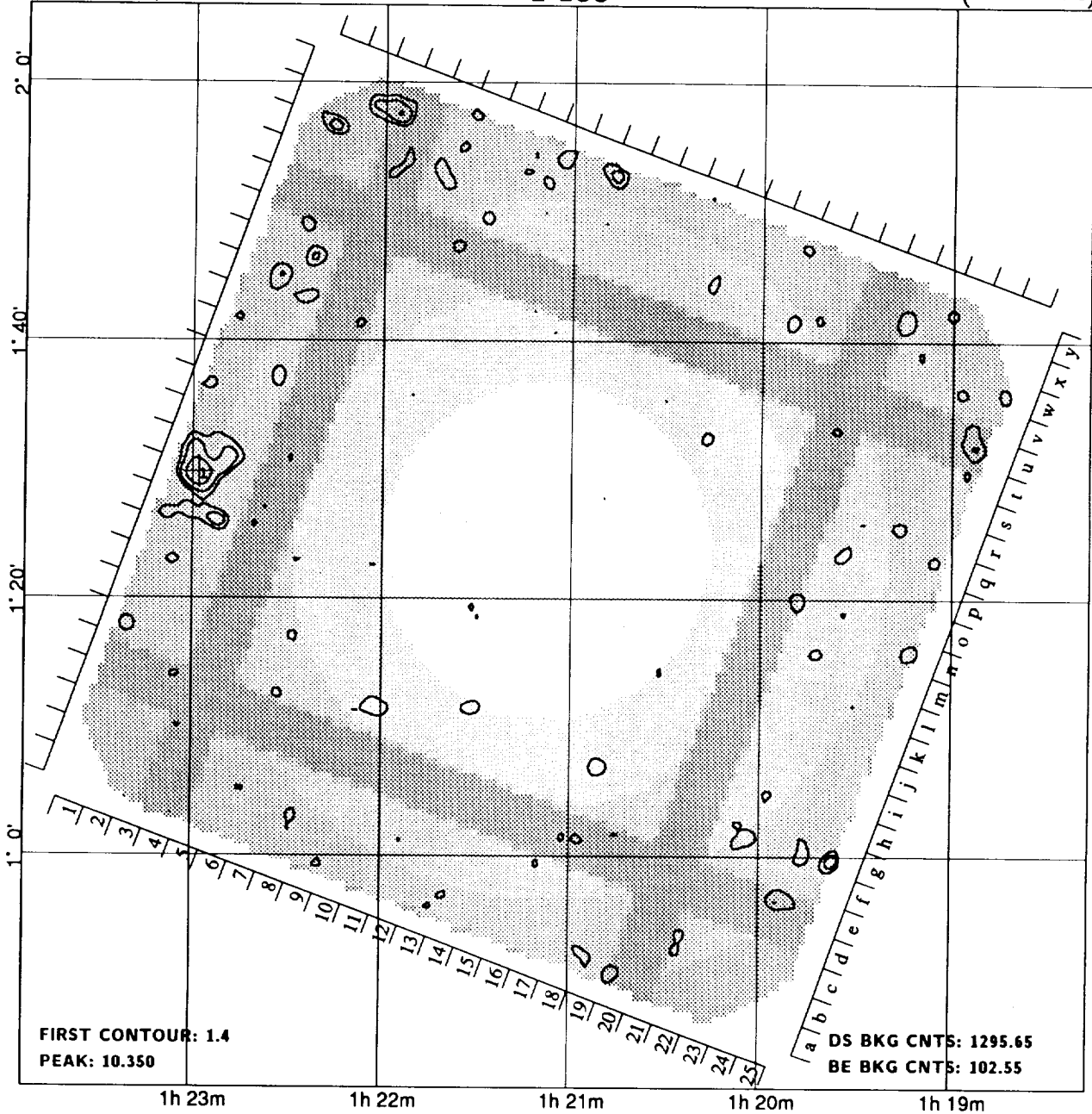
NH: $5.3E+20$
 REF/ID:
 FIELD FLAGS: D

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
362	1	01 19 20.7	32 59 52	47	0.0053	0.0014	29.5	29.5	3.8	0.6	0	13.0	H
365	2	01 19 49.3	32 46 45	50	0.0140	0.0019	73.3	26.7	7.3	0.9	0	15.9	H
370	3	01 20 24.1	33 12 01	38	0.0621	0.0034	372.0	36.0	18.4	6.5	0	11.1	H
371	4	01 20 26.9	32 56 08	41	0.0090	0.0015	59.3	38.7	6.0	46.4	0	5.5	H
374	5	01 20 50.8	32 59 38	37	0.0737	0.0035	484.7	36.3	21.2	5.3	0	5.9	H
376	6	01 21 21.2	33 22 25	55	*0.0072	0.0018	29.4	21.6	4.1	0.7	905	24.7	H

(1h 21m)

I 153

(1h 21m)



A189 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: 01^h21^m04.8^s 01°23'59" (B1950)
 01^h23^m39.2^s 01°39'38" (J2000)
 $l: 139.29$ $b: -60.18$

DATE: 1979/179 - 1979/179
LIVETIME: 1049.9s
ROLL ANGLE: -69.8°

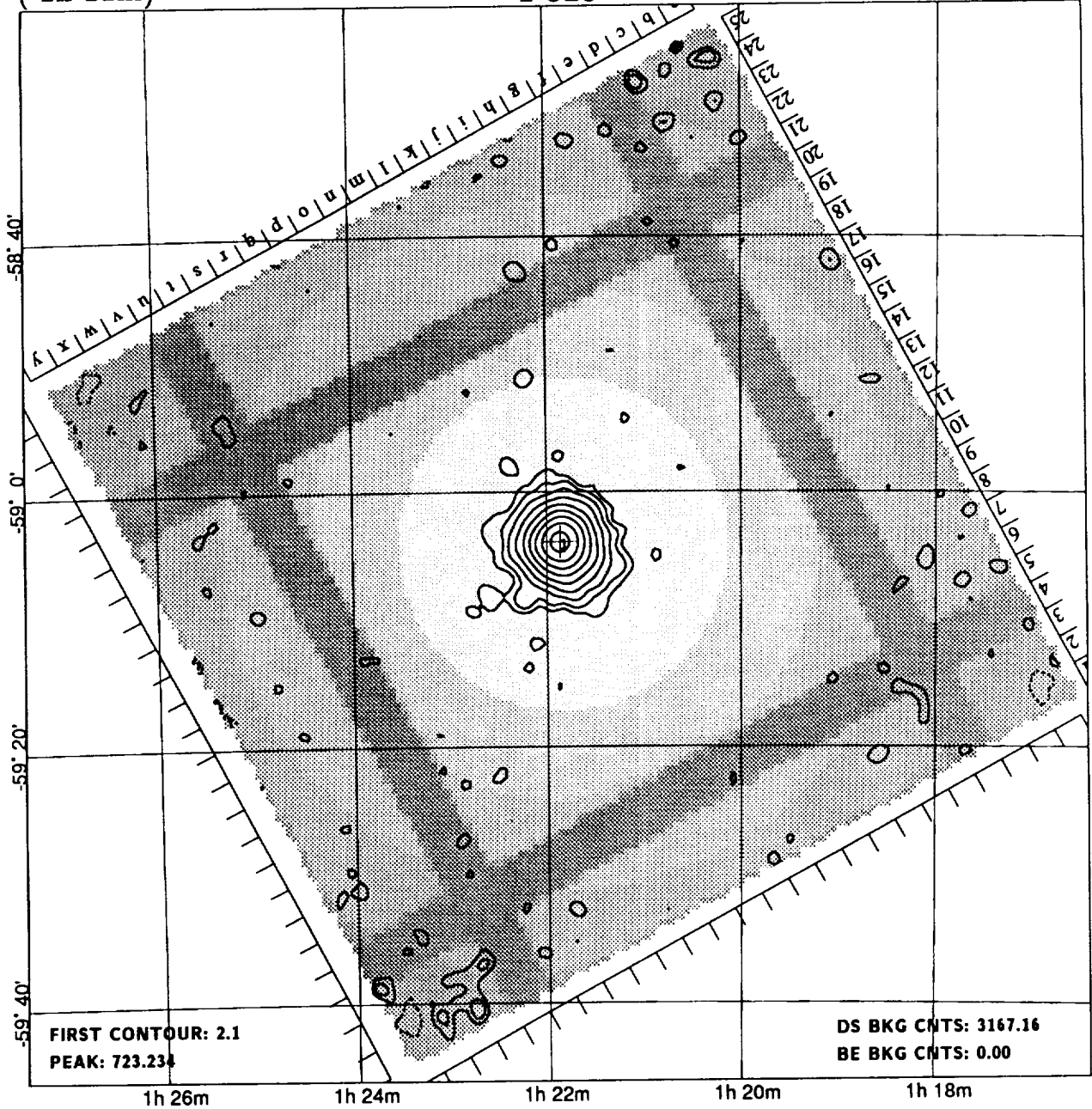
NH: 3.2E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
384	1	01 22 58.0	01 29 47	51	0.050	0.012	20.0	2.0	4.3	1.5	100	28.7	H

(1h 21m)

I 523

(1h 21m)



ESO 0113-IG45 QUASAR SURVEY

FIELD CENTER: $01^h 21^m 54.0^s$ $-59^{\circ} 03' 59''$ (B1950)
 $01^h 23^m 48.5^s$ $-58^{\circ} 48' 21''$ (J2000)
 $l: 295.06$ $b: -57.82$

DATE: 1979/329 - 1979/329
 LIVETIME: 2566.4s
 ROLL ANGLE: 151.6°

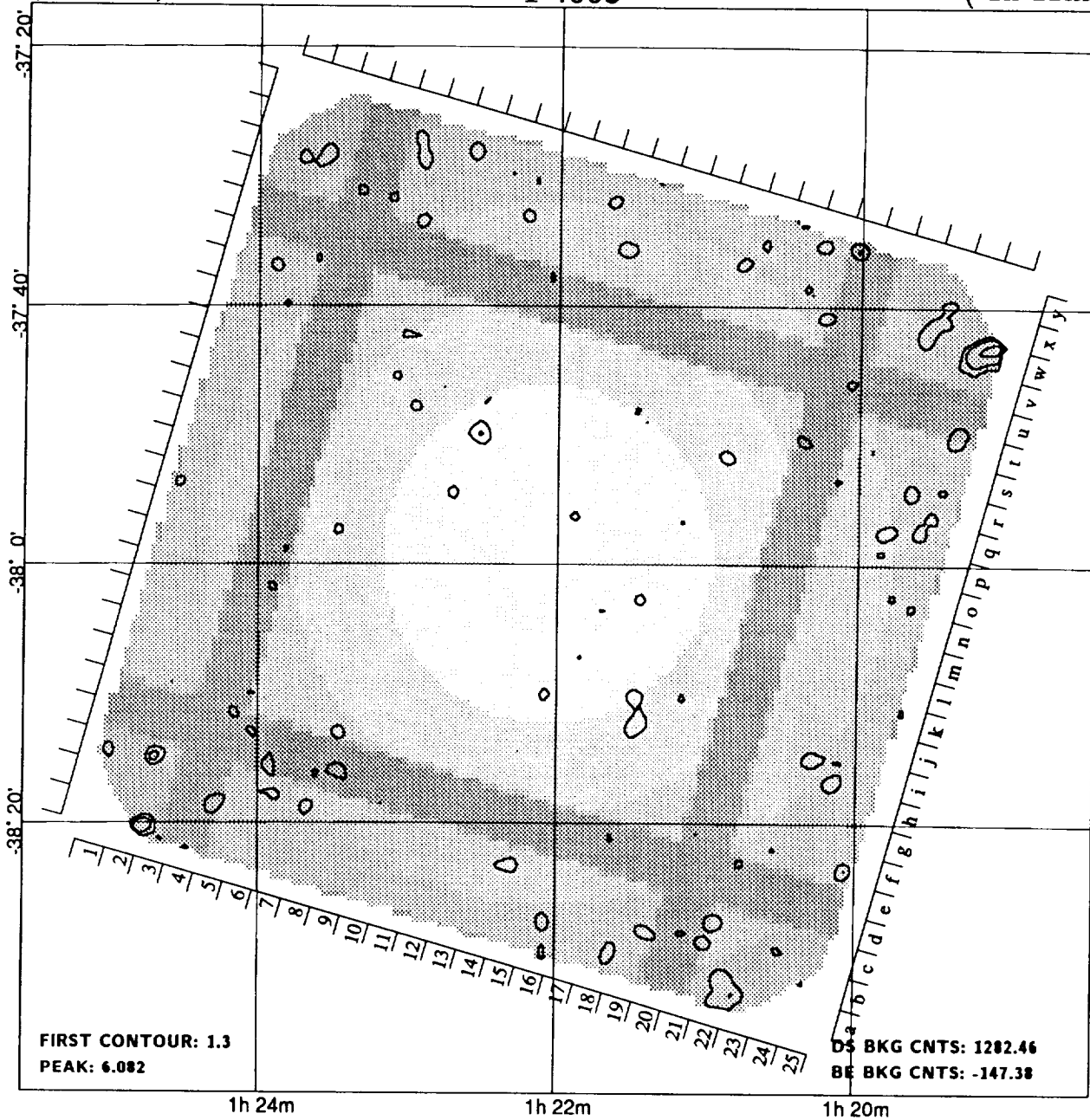
NH: $2.6E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
378	1L	01 21 51.7	-59 03 54	31	1.368	0.034	2617.5	579.5	40.1	1.6	0	0.3	

(1h 22m)

I 4003

(1h 22m)



QUASAR Q 0122-379

FIELD CENTER: $01^{\text{h}}22^{\text{m}}00.0^{\text{s}}$ $-37^{\circ}58'59''$ (B1950)
 $01^{\text{h}}24^{\text{m}}15.3^{\text{s}}$ $-37^{\circ}43'22''$ (J2000)
 $l: 271.89$ $b: -77.36$

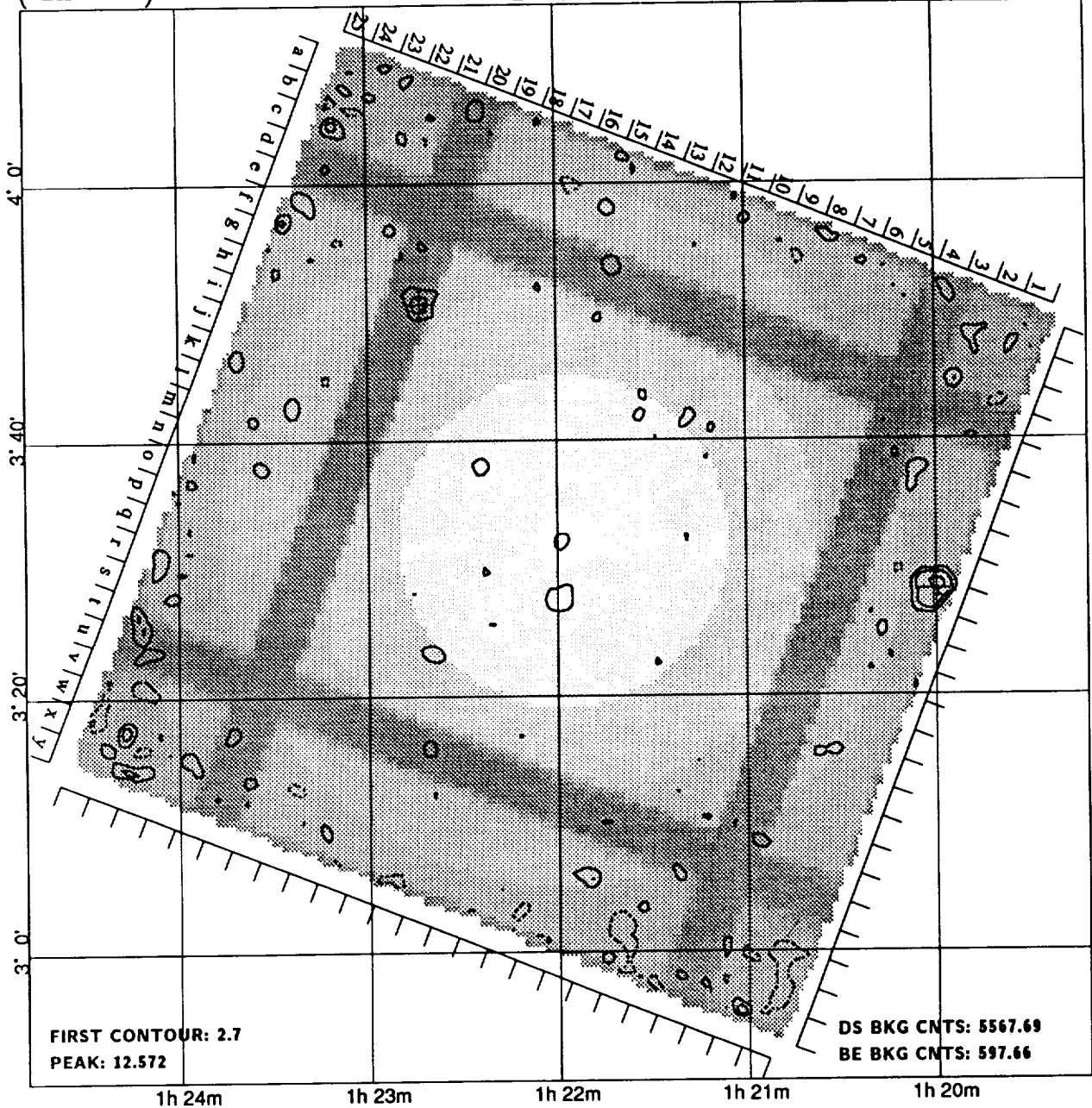
DATE: 1979/190 - 1979/190
 LIVETIME: 1039.2s
 ROLL ANGLE: -74.2°

NH: $1.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(1h 22m)

I 2088

(1h 22m)



X-RAY SURVEY OF NORMAL GALAXIES: NGC520

FIELD CENTER: 01^h22^m00.0^s 03°31'59" (B1950)
 01^h24^m35.3^s 03°47'36" (J2000)
 l : 138.71 b : -58.06

DATE: 1979/ 24 - 1980/ 18
 LIVETIME: 4511.6s
 ROLL ANGLE: 111.2°

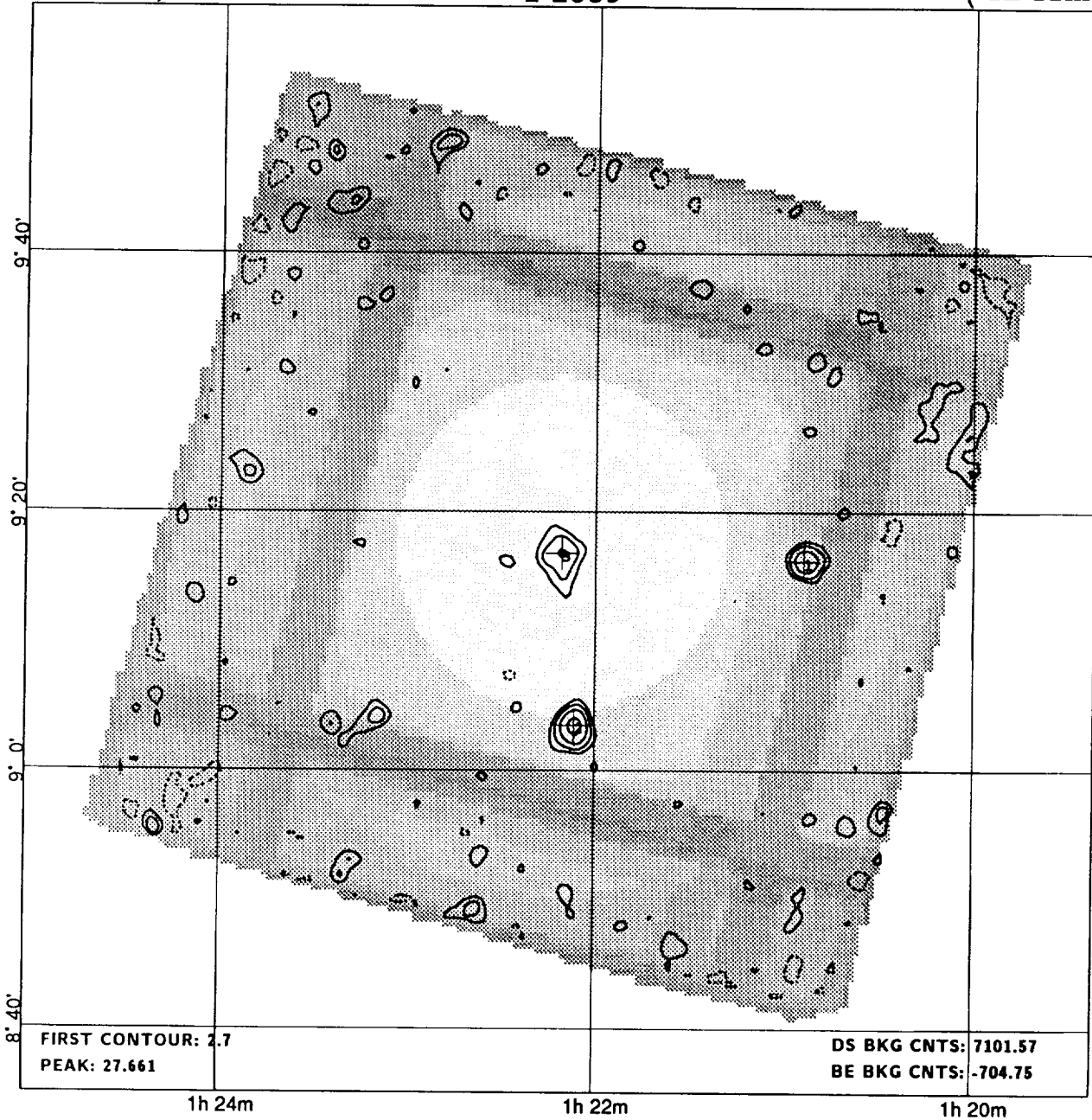
NH: 3.2E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
367	1	01 20 00.8	03 28 22	55	0.0189 0.0039	30.5	9.5	4.8	1.0	200	29.7	H	
382	2	01 22 43.4	03 50 41	56	*0.0090 0.0024	19.8	7.2	3.8	0.7	1309	21.7		

(1h 22m)

I 2089

(1h 22m)



X-RAY SURVEY OF NORMAL GALAXIES: NGC524

FIELD CENTER: 01^h22^m12.0^s 09°16'59" (B1950)
 01^h24^m49.7^s 09°32'36" (J2000)
 l : 136.52 b : -52.45

DATE: 1979/192 - 1980/ 18
 LIVETIME: 5754.6s

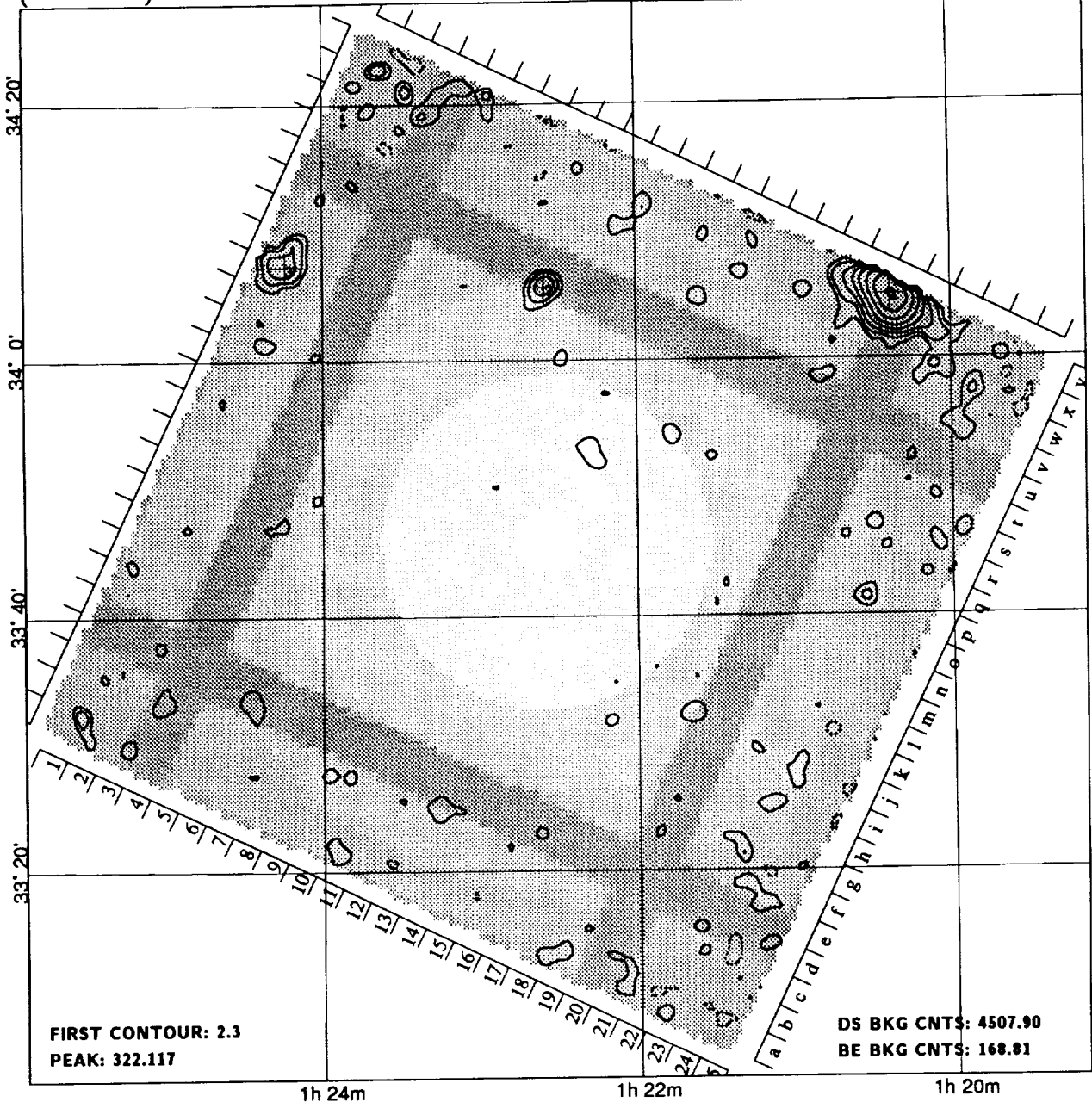
NH: 4.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
375	1	01 20 53.6	09 16 08	50	*0.0162 0.0025	49.3	9.7	6.4	0.9	1509	19.3	H Q	
379	2	01 22 06.5	09 03 30	38	0.0248 0.0029	87.2	13.8	8.7	1.0	0	13.5	H	
380	3	01 22 10.8	09 16 43	35	0.0111 0.0018	47.7	15.3	6.0	1.3	0	0.6	H	G

(1h 22m)

I 4199

(1h 22m)



N 523, ABNORMAL GALAXIES SURVEY

FIELD CENTER: $01^h 22^m 31.0^s$ $33^\circ 45' 54''$ (B1950)
 $01^h 25^m 20.8^s$ $34^\circ 01' 30''$ (J2000)
 $l: 130.91$ $b: -28.32$

DATE: 1979/210 - 1979/211
 LIVETIME: 3652.9s
 ROLL ANGLE: -64.6°

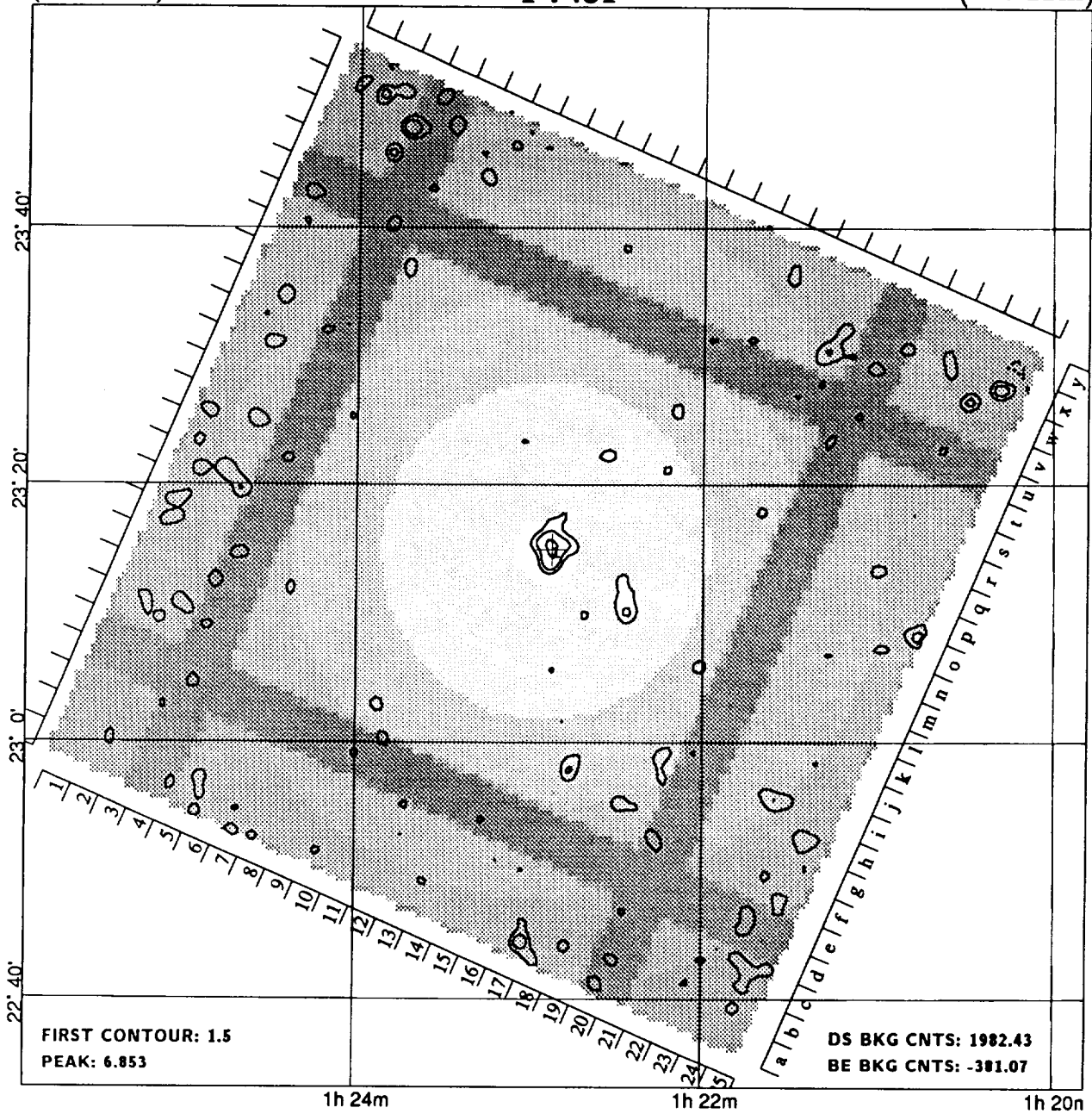
NH: $5.1E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
369	1	01 20 23.1	34 04 53	47	*0.590	0.024	587.1	5.9	24.1	1.4	1105	32.5	EH	
381	2	01 22 35.3	34 05 38	51	*0.0166	0.0033	31.0	7.0	5.0	0.9	1108	19.9	H	
388	3	01 24 14.4	34 07 16	51	0.0257	0.0049	33.0	7.0	5.2	1.2	200	30.5	H	S

(1h 22m)

I 7431

(1h 22m)



HR 407,RADIO STAR

FIELD CENTER: 01^h22^m51.0^s 23°15'06" (B1950)
 01^h25^m35.1^s 23°30'42" (J2000)
 $l: 132.98$ $b: -38.69$

DATE: 1980/206 - 1980/206
 LIVETIME: 1606.4s
 ROLL ANGLE: -66.6°

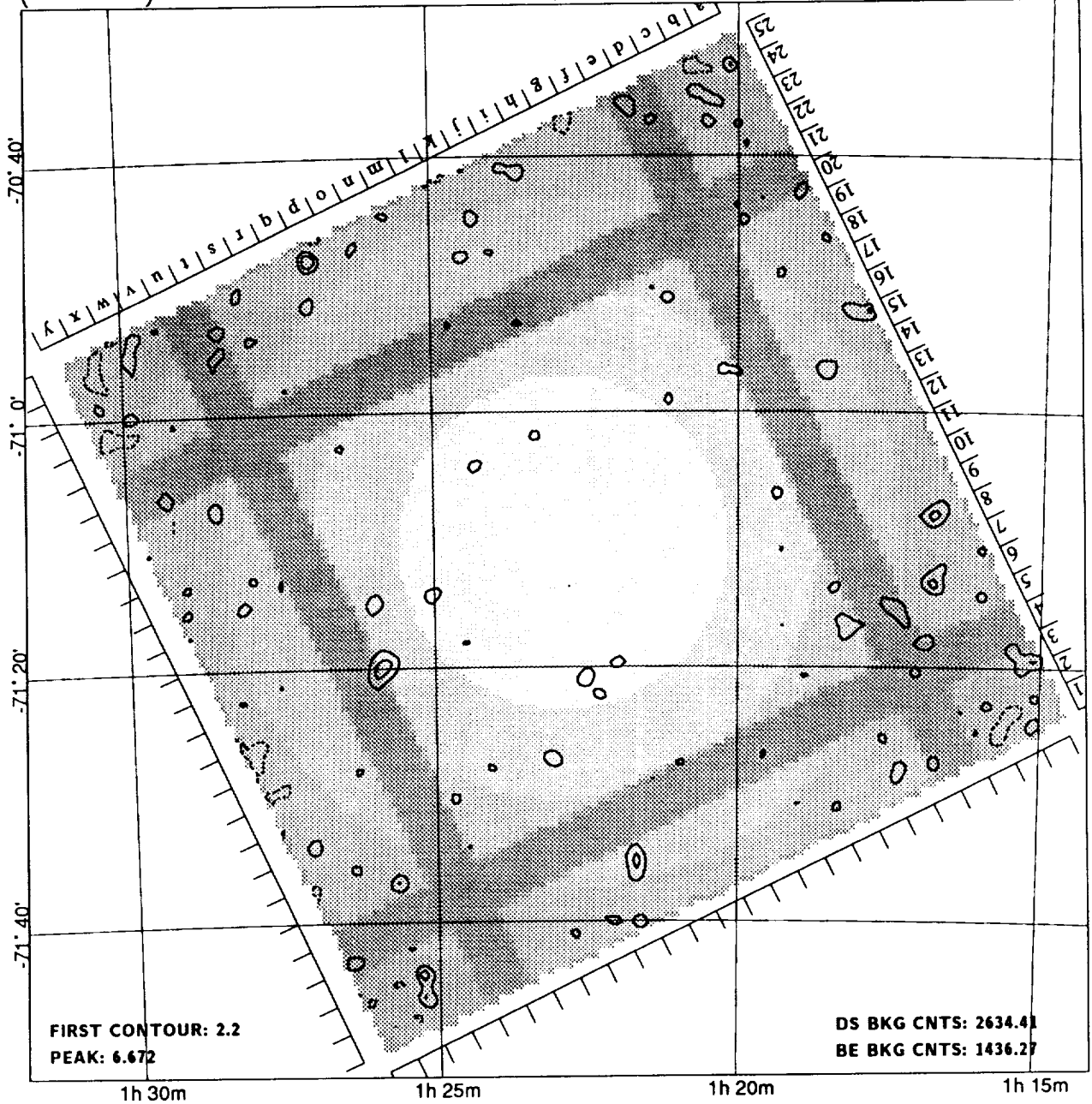
NH: 6.1E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
383	1	01 22 52.2	23 14 57	36	0.0229	0.0047	27.4	3.6	4.9	1.1	0	0.6	H

(1h 22m)

I 609

(1h 22m)



SMC SURVEY

FIELD CENTER: $01^h 22^m 59.3^s$ $-71^\circ 10' 12''$ (B1950)
 $01^h 24^m 23.6^s$ $-70^\circ 54' 35''$ (J2000)
 $l: 299.07$ $b: -45.97$

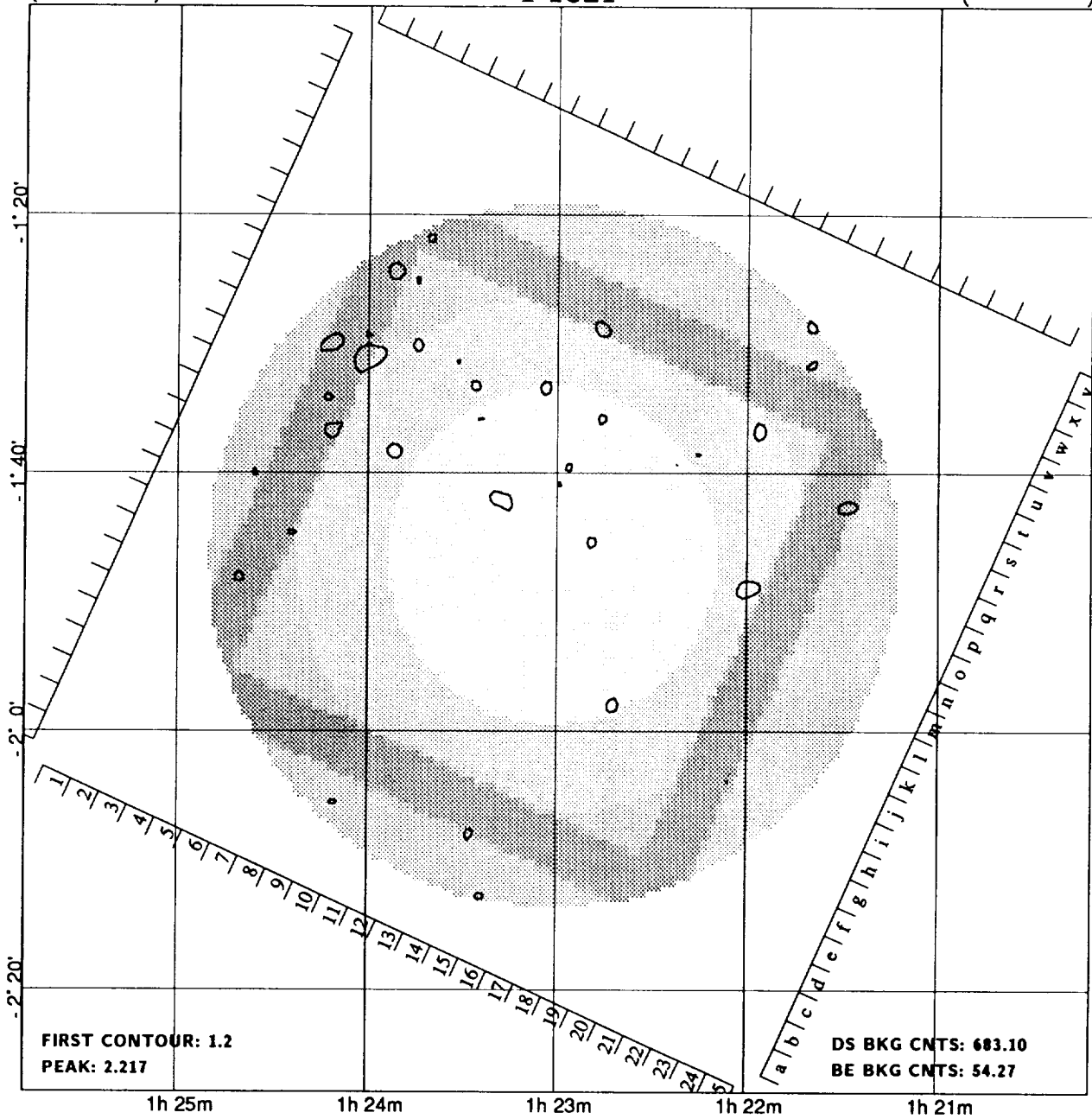
DATE: 1979/316 - 1979/317
 LIVETIME: 2134.8s
 ROLL ANGLE: 154.5°

NH: $3.0E+20$
 REF/ID:
 FIELD FLAGS: L

(1h 23m)

I 1821

(1h 23m)



A194: X-RAY STUDY OF CLUSTERS OF GALAXIES

FIELD CENTER: $01^h 23^m 00.0^s$ $-01^\circ 45' 59''$ (B1950)
 $01^h 25^m 33.1^s$ $-01^\circ 30' 24''$ (J2000)
 $l: 142.06$ $b: -63.10$

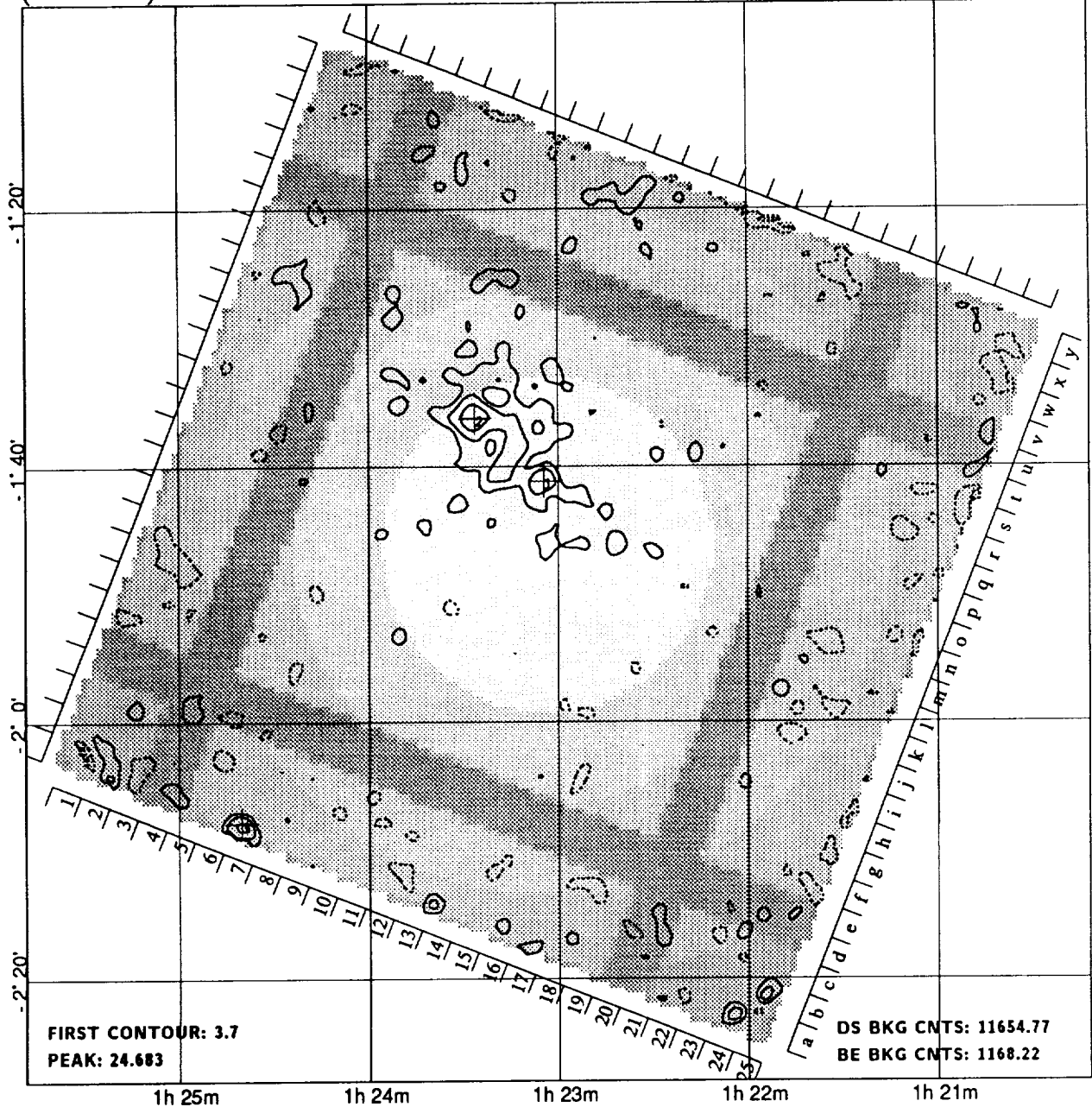
DATE: 1979/179 - 1979/179
 LIVETIME: 553.5s
 ROLL ANGLE: -65.7°

NH: $4.2E+20$
 REF/ID: CLG
 FIELD FLAGS: C

(1h 23m)

I 6084

(1h 23m)



A194, DETAILED STUDY OF CLUSTER EXTENTS

FIELD CENTER: 01^h23^m00.0^s -01°45'59" (B1950)
 01^h25^m33.1^s -01°30'24" (J2000)
 l : 142.06 b : -63.10

DATE: 1980/196 - 1980/196
 LIVETIME: 9444.2s
 ROLL ANGLE: -68.6°

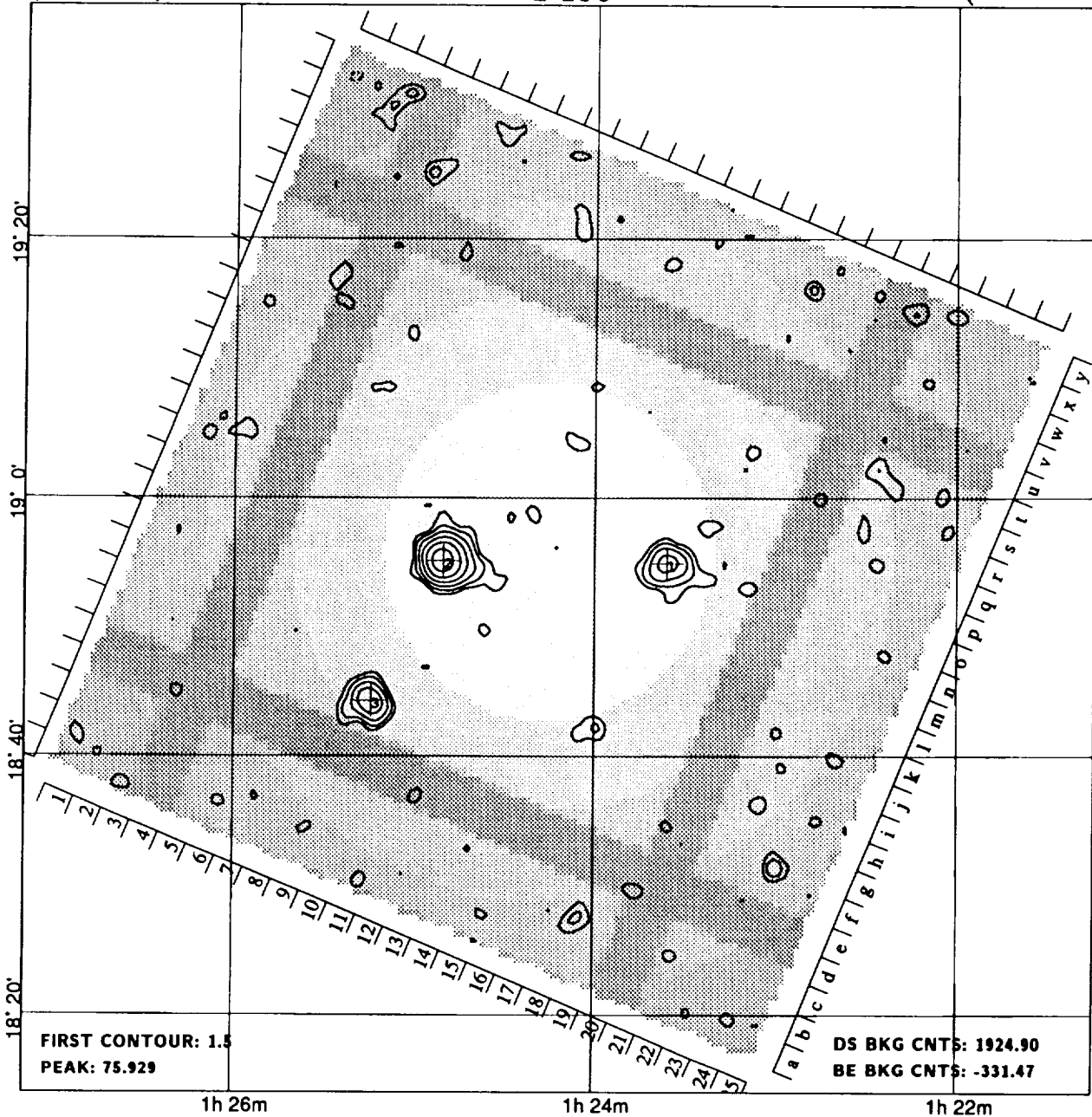
NH: 4.2E+20
 REF/ID: CLG
 FIELD FLAGS: CD

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
385	1	01 23 04.5	-01 41 07	41	0.0074 0.0014	50.1	33.9	5.5	8.1	0	5.1	
386	2	01 23 26.4	-01 36 16	38	0.0149 0.0018	91.0	30.0	8.3	4.2	0	11.9	H
389	3	01 24 40.3	-02 07 49	55	*0.0094 0.0023	26.5	14.5	4.1	0.8	601	33.1	H

(1h 24m)

I 190

(1h 24m)



A195 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: $01^h 24^m 12.0^s$ $18^\circ 55' 58''$ (B1950)
 $01^h 26^m 54.2^s$ $19^\circ 11' 32''$ (J2000)
 $l: 134.39$ $b: -42.89$

DATE: 1979/203 - 1979/203
 LIVETIME: 1559.8s
 ROLL ANGLE: -67.5°

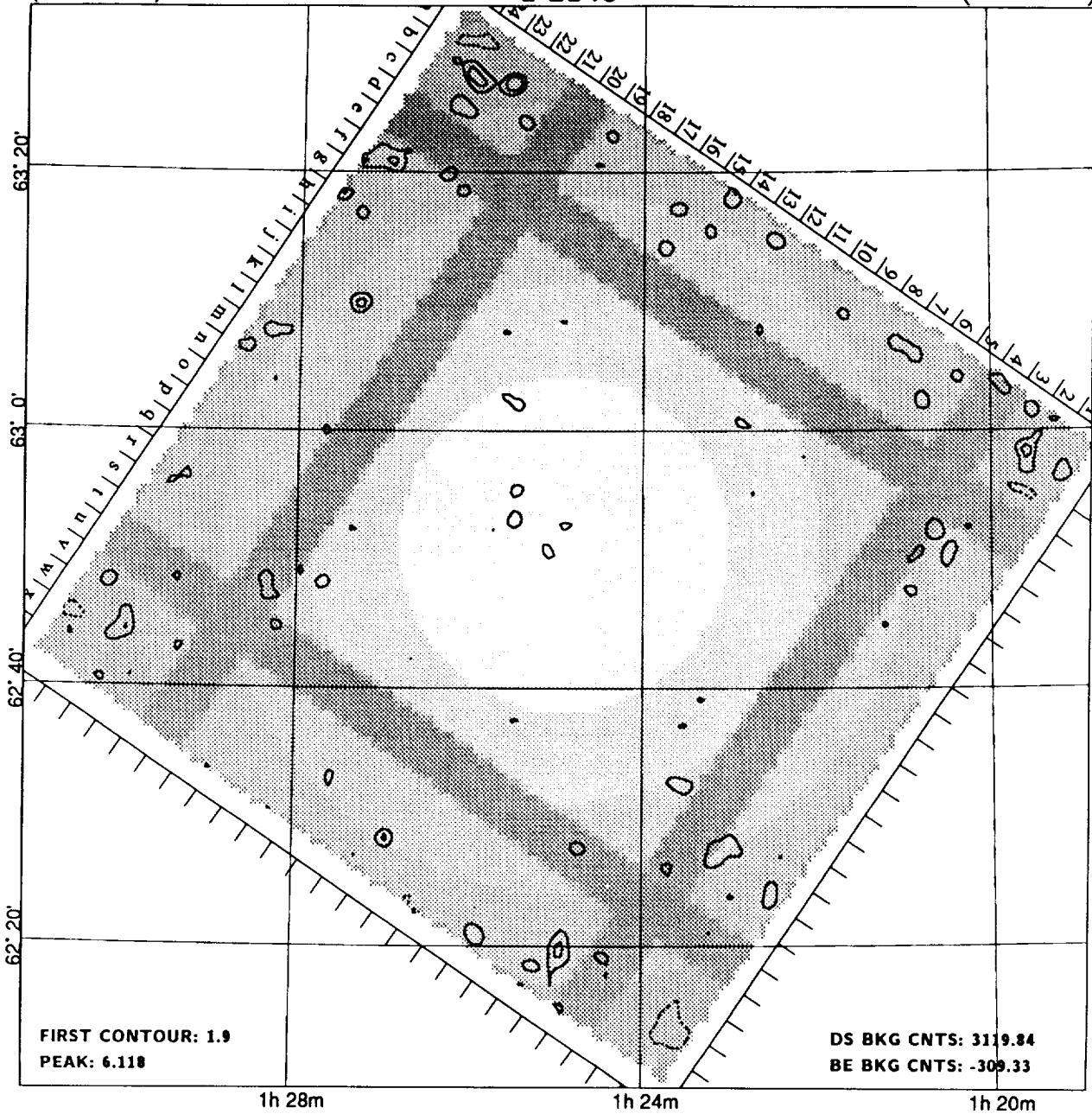
NH: $4.7E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
387	1	01 23 35.9	18 54 56	41	0.0587	0.0077	61.6	3.4	7.6	1.3	0	8.7	AH	S
390	2	01 24 50.5	18 55 09	38	0.274	0.016	291.2	3.8	17.0	1.2	0	9.2	AH	
391	3	01 25 14.3	18 44 18	49	0.0758	0.0097	64.1	2.9	7.8	1.1	0	18.8	AH	

(1h 25m)

I 2148

(1h 25m)



X-RAY STUDY OF SUPERNOVA REMNANTS: G127.1+0.54

FIELD CENTER: $01^h 25^m 00.0^s$ $62^\circ 50' 59''$ (B1950)
 $01^h 28^m 22.1^s$ $63^\circ 06' 30''$ (J2000)
 $l: 127.09$ $b: 0.54$

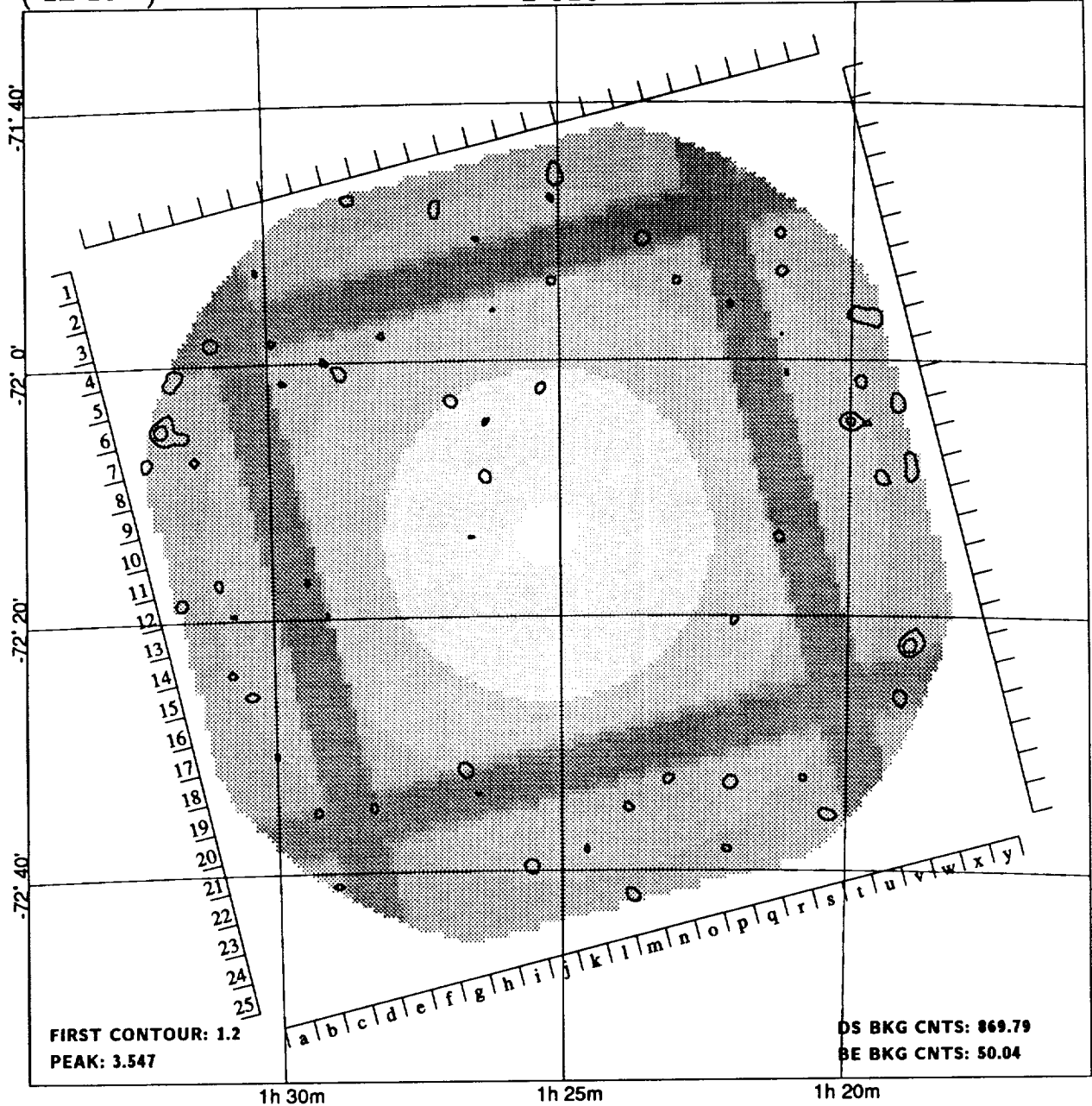
DATE: 1979/ 34 - 1979/ 34
 LIVETIME: 2528.1s
 ROLL ANGLE: 124.0°

NH: $7.7E+21$
 REF/ID:
 FIELD FLAGS:

(1h 25m)

I 616

(1h 25m)



SMC SURVEY

FIELD CENTER: $01^{\text{h}}25^{\text{m}}02.7^{\text{s}}$ $-72^{\circ}14'27''$ (B1950)
 $01^{\text{h}}26^{\text{m}}20.8^{\text{s}}$ $-71^{\circ}58'54''$ (J2000)
 $l: 299.13$ $b: -44.89$

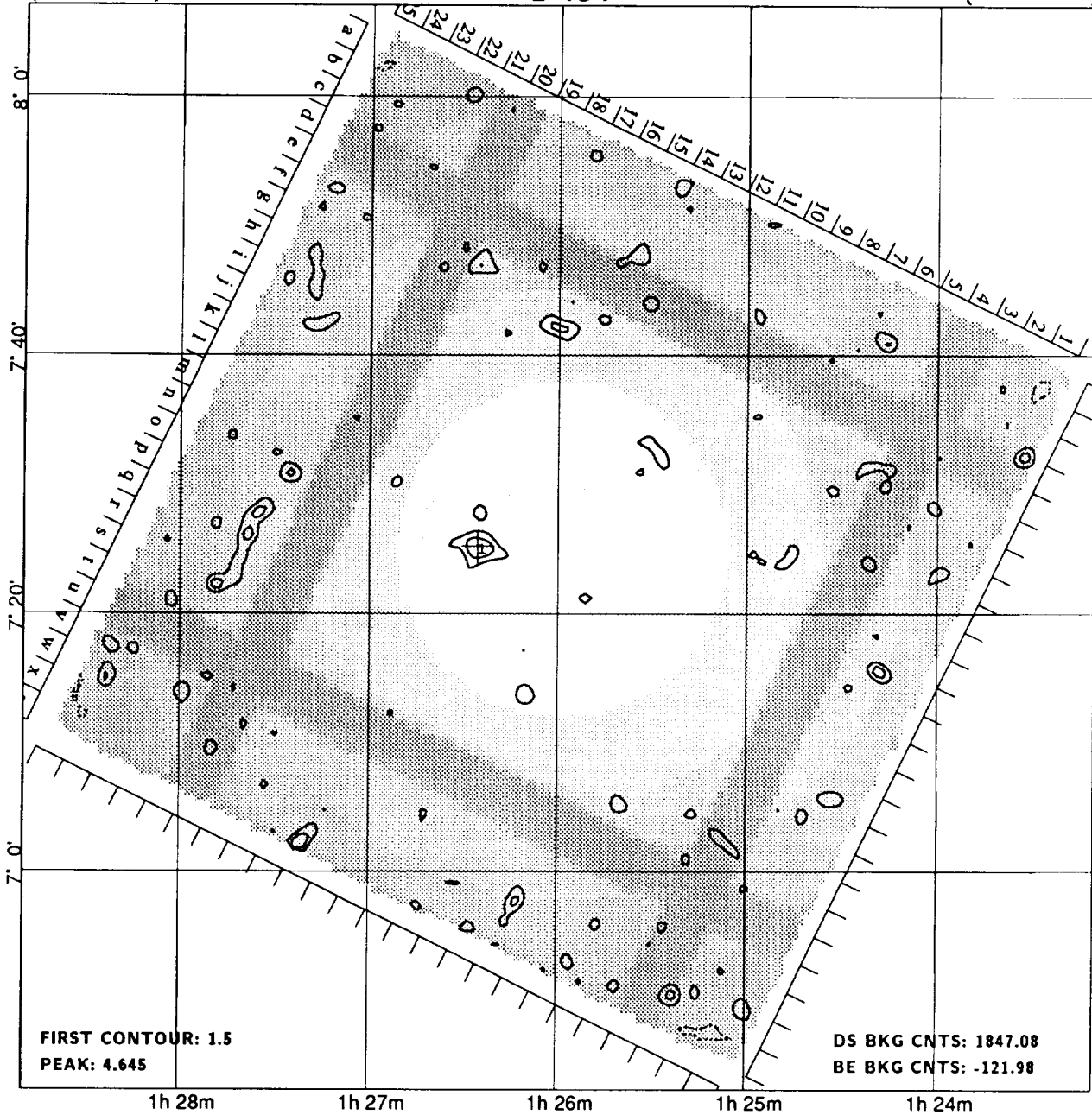
DATE: 1979/118 - 1979/118
 LIVETIME: 704.8s
 ROLL ANGLE: -14.0°

NH: $4.5\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(1h 26m)

I 454

(1h 26m)



SHAH 41 ABNORMAL GALAXIES SURVEY

FIELD CENTER: $01^{\text{h}}26^{\text{m}}00.0^{\text{s}}$ $07^{\circ}24'59''$ (B1950)
 $01^{\text{h}}28^{\text{m}}37.0^{\text{s}}$ $07^{\circ}40'30''$ (J2000)
 $l: 138.75$ $b: -54.05$

DATE: 1979/ 24 - 1979/ 24
 LIVETIME: 1496.7s
 ROLL ANGLE: 116.0°

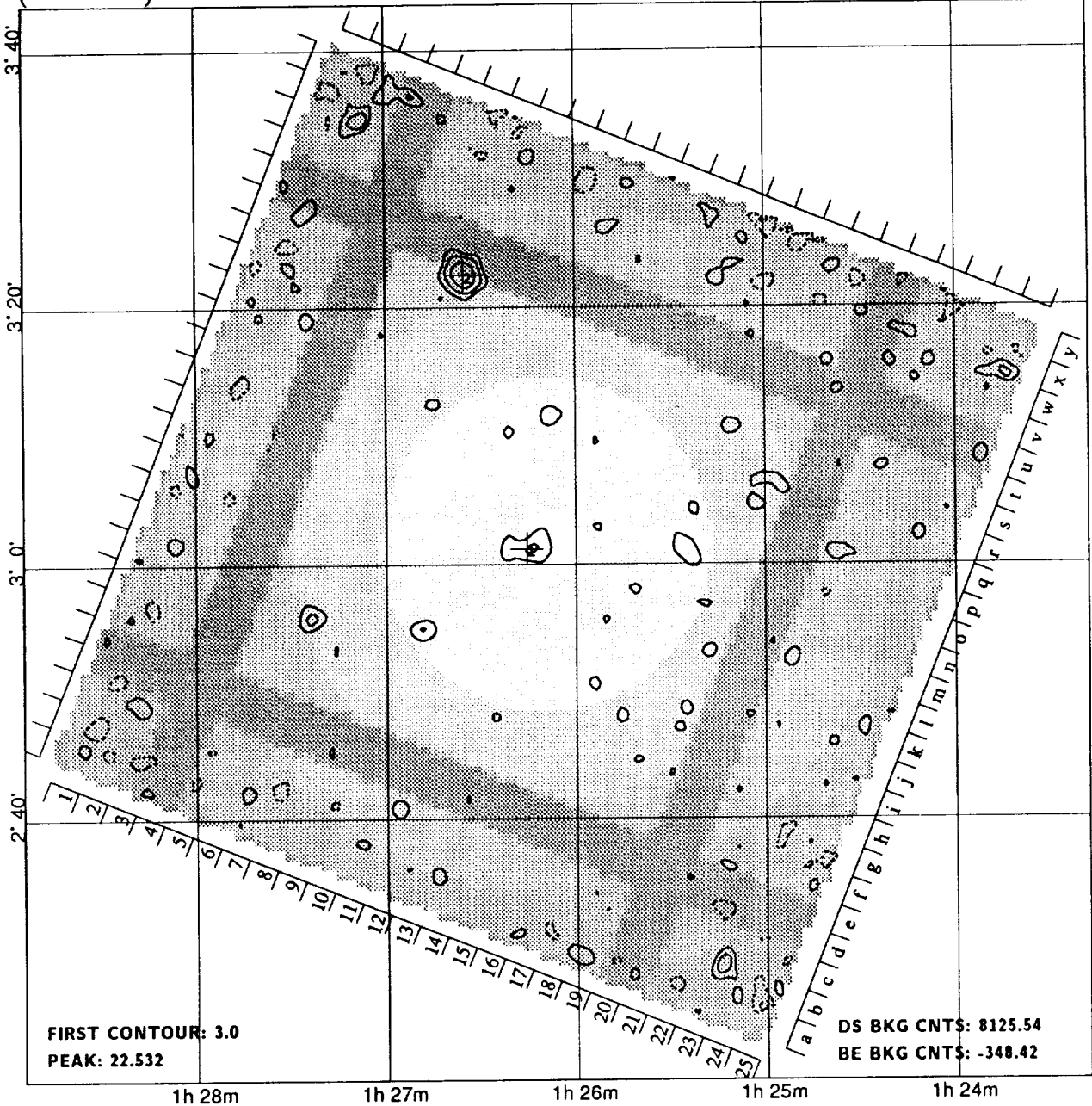
NH: $4.2\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
393	1	01 26 25.6	07 25 10	43	0.0154	0.0043	16.1	3.9	3.6	0.9	0	6.0	H	*

(1h 26m)

I 8460

(1h 26m)



FIELD CENTER: 01^h26^m06.0^s 03°01'35" (B1950)
01^h28^m41.1^s 03°17'06" (J2000)
ℓ: 140.83 b: -58.29

DATE: 1980/196 - 1980/196
LIVETIME: 6584.3s
ROLL ANGLE: -68.3°

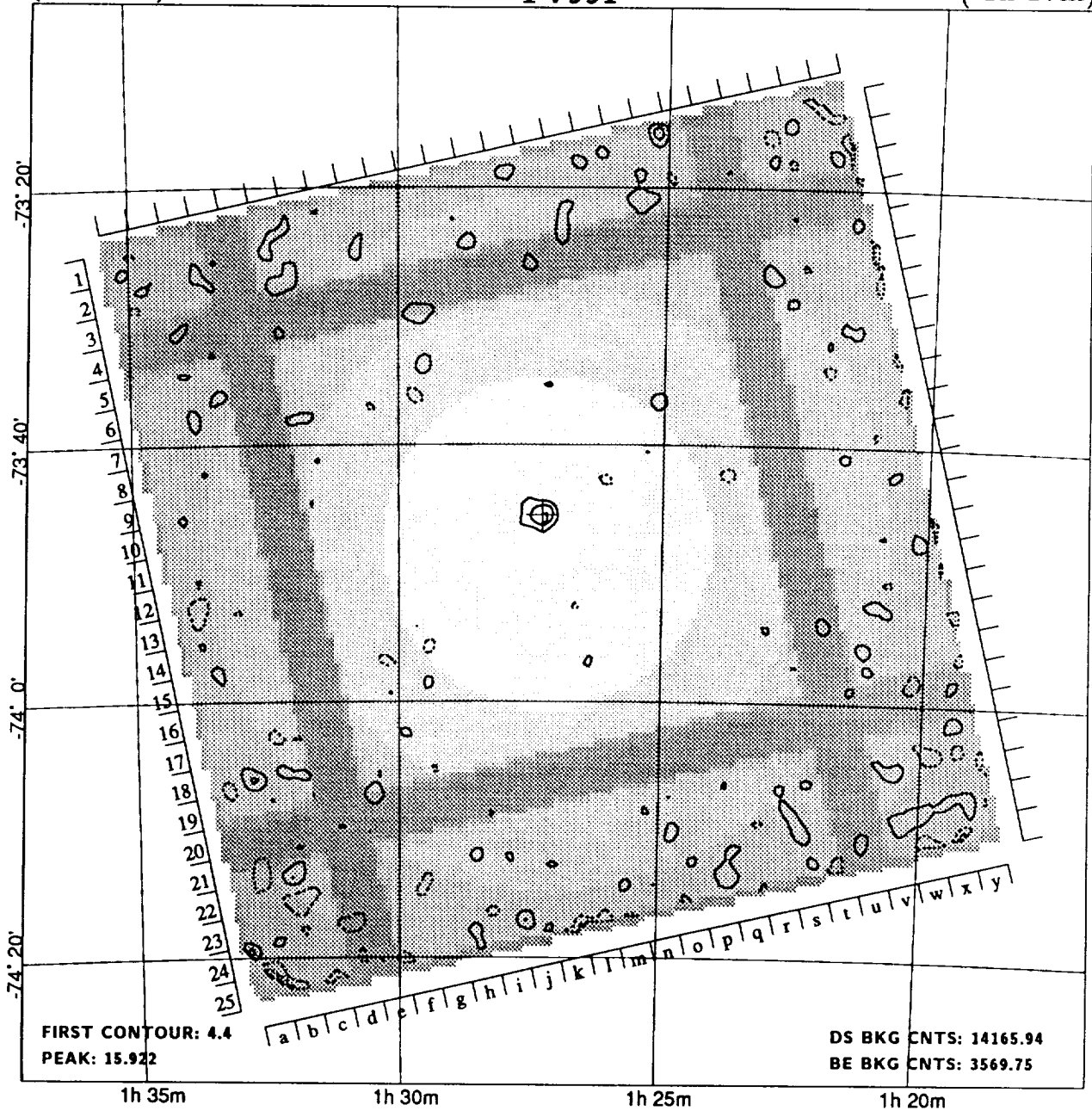
NH: 2.9E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
392	1	01 26 15.5	03 01 12	41	0.0047	0.0013	23.0	19.0	3.5	1.0	0	2.6	H	
394	2	01 26 35.3	03 22 31	50	*0.0179	0.0026	56.3	12.7	6.8	1.0	805	22.2	H	

(1h 27m)

I 7991

(1h 27m)



SMC, #1 OF 2

FIELD CENTER: $01^h 27^m 00.0^s$ $-73^\circ 47' 59''$ (B1950)
 $01^h 28^m 08.7^s$ $-73^\circ 32' 29''$ (J2000)
 $l: 299.37$ $b: -43.33$

DATE: 1980/107 - 1980/107
 LIVETIME: 11479.1s
 ROLL ANGLE: -12.6°

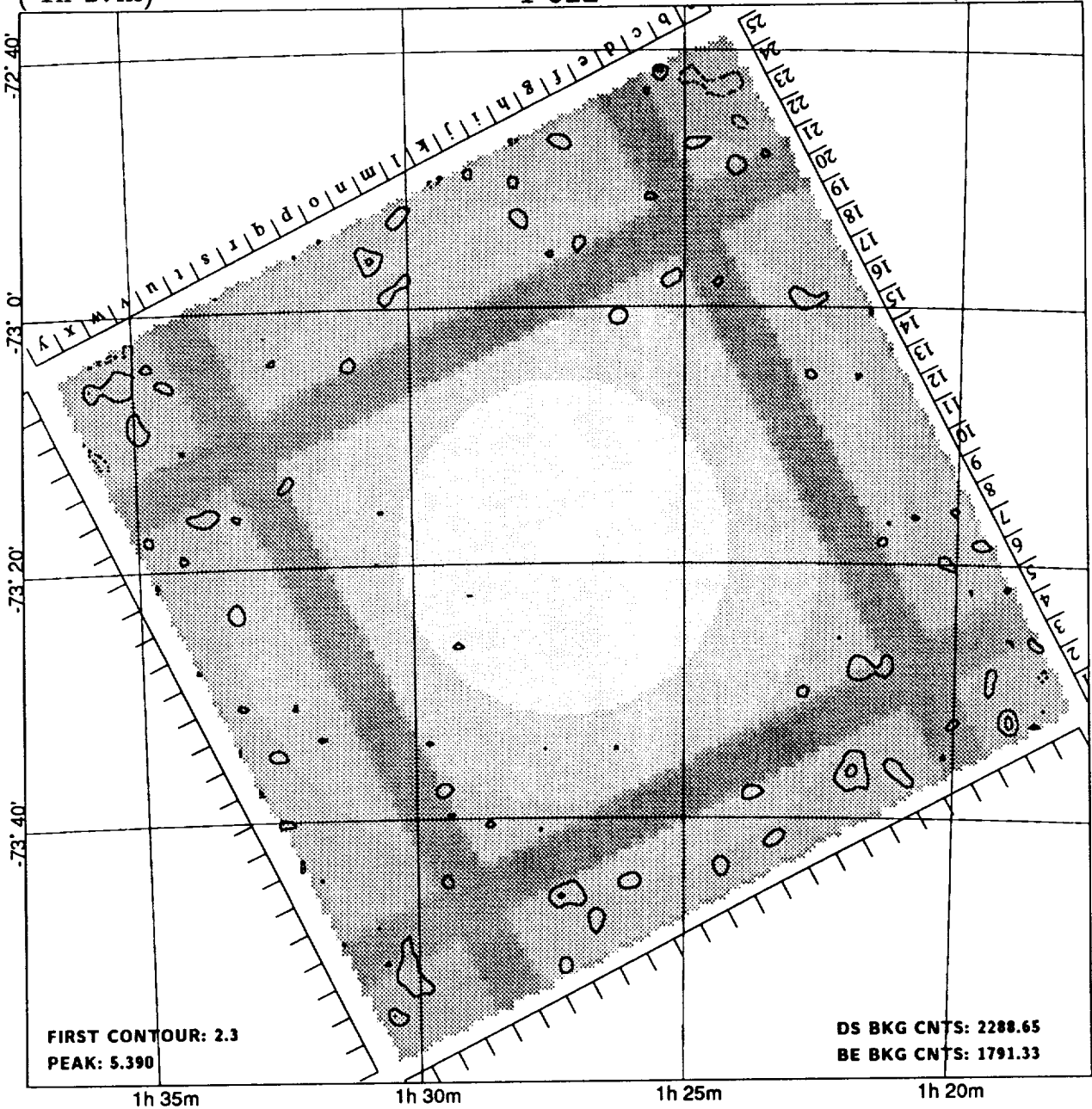
NH: $5.4E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	FLG
395	1	01 27 16.7	-73 45 27	35	0.0061	0.0012	51.1	45.9	5.2	0.8	0	2.8	H	*

(1h 27m)

I 622

(1h 27m)



FIELD CENTER: $01^h 27^m 21.3^s$ $-73^\circ 18' 37''$ (B1950)
 $01^h 28^m 32.3^s$ $-73^\circ 03' 07''$ (J2000)
 $l: 299.20$ $b: -43.81$

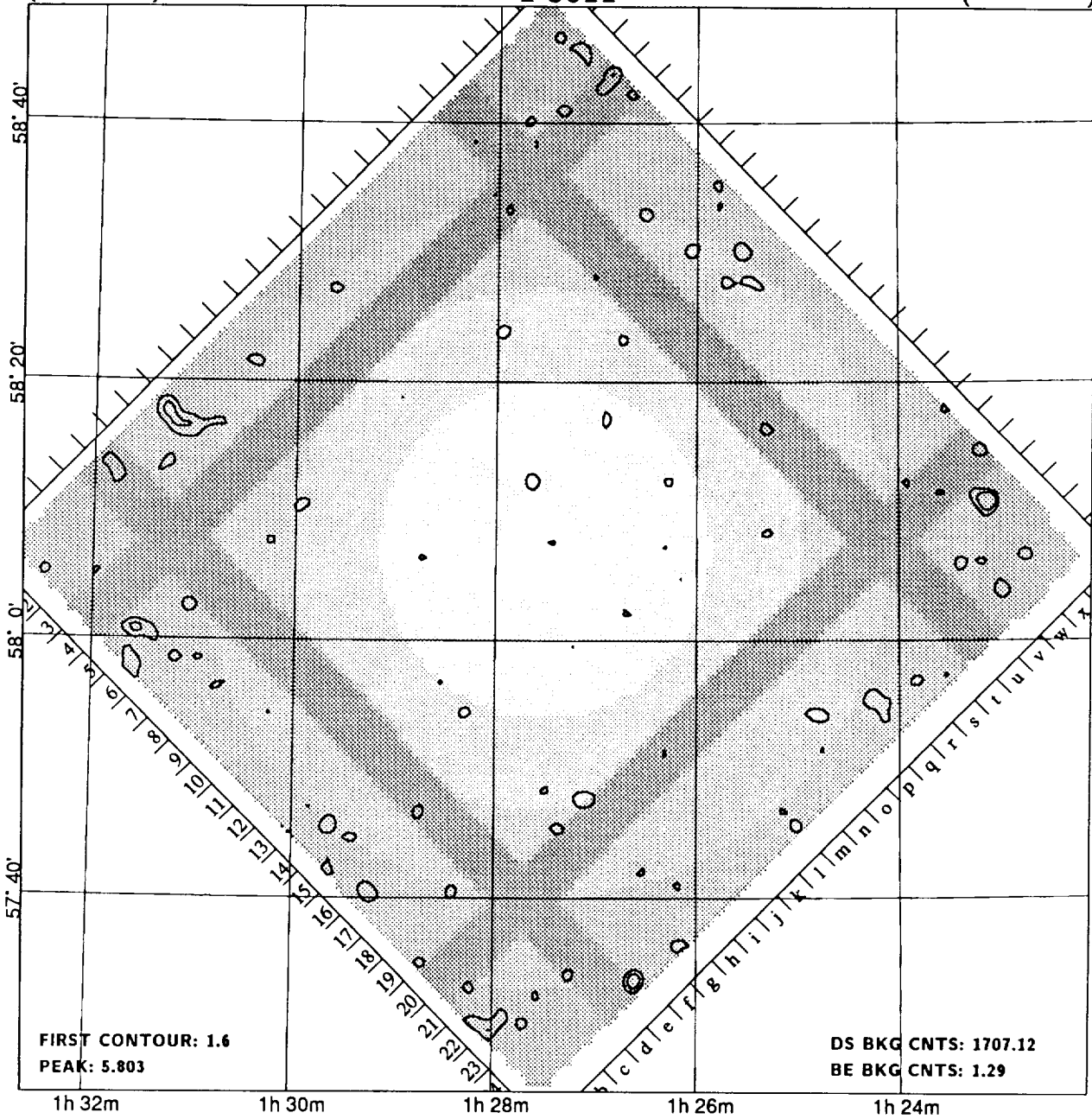
DATE: 1979/315 - 1979/316
 LIVETIME: 1854.6s
 ROLL ANGLE: 153.1°

NH: $5.6E+20$
 REF/ID: !
 FIELD FLAGS: L

(1h 27m)

I 3011

(1h 27m)



FILAMENTARY NEBULAE: S188

FIELD CENTER: $01^h 27^m 24.0^s$ $58^{\circ} 06' 59''$ (B1950)
 $01^h 30^m 38.6^s$ $58^{\circ} 22' 26''$ (J2000)
 $l: 128.07$ $b: -4.11$

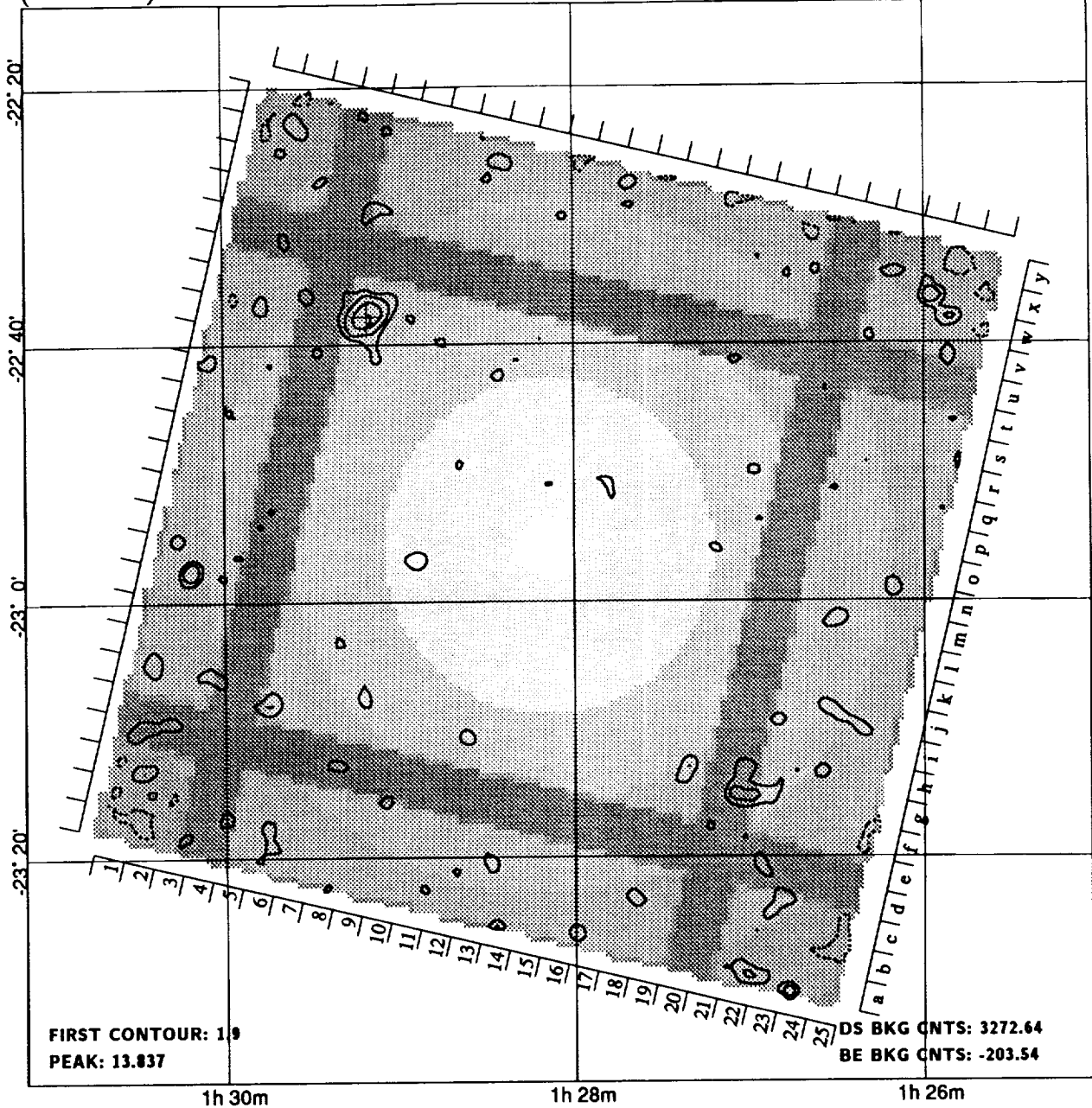
DATE: 1979/242 - 1979/242
 LIVETIME: 1383.3s
 ROLL ANGLE: -44.9°

NH: $3.8E+21$
 REF/ID:
 FIELD FLAGS:

(1h 28m)

I 424

(1h 28m)



NGC 578 ABNORMAL GALAXIES SURVEY

FIELD CENTER: 01^h28^m05.4^s -22°55'29" (B1950)
 01^h30^m28.5^s -22°40'02" (J2000)
 l : 188.31 b : -80.09

DATE: 1979/201 - 1979/201
 LIVETIME: 2651.9s
 ROLL ANGLE: -76.7°

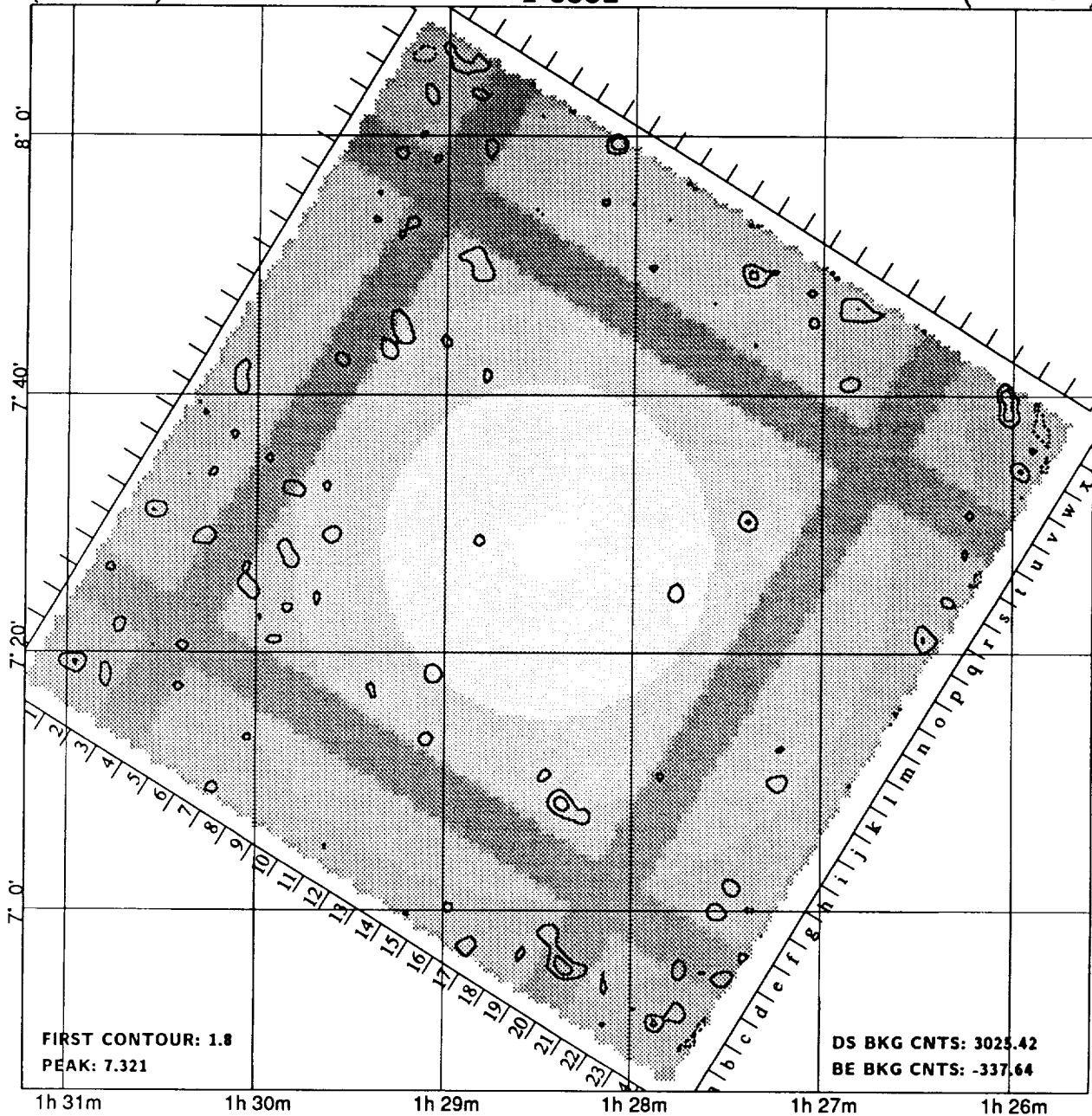
NH: 1.1E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
396	1	01 29 10.9	-22 37 50	51	0.0254	0.0049	31.2	4.8	5.2	1.2	400	23.1	H

(1h 28m)

I 8332

(1h 28m)



PHL 3375, LOW & INTERMEDIATE REDSHIFT QSO'S W/FeII EMISSION

FIELD CENTER: $01^{\text{h}}28^{\text{m}}24.0^{\text{s}}$ $07^{\circ}27'59''$ (B1950)
 $01^{\text{h}}31^{\text{m}}01.2^{\text{s}}$ $07^{\circ}43'26''$ (J2000)
 $l: 139.71$ $b: -53.85$

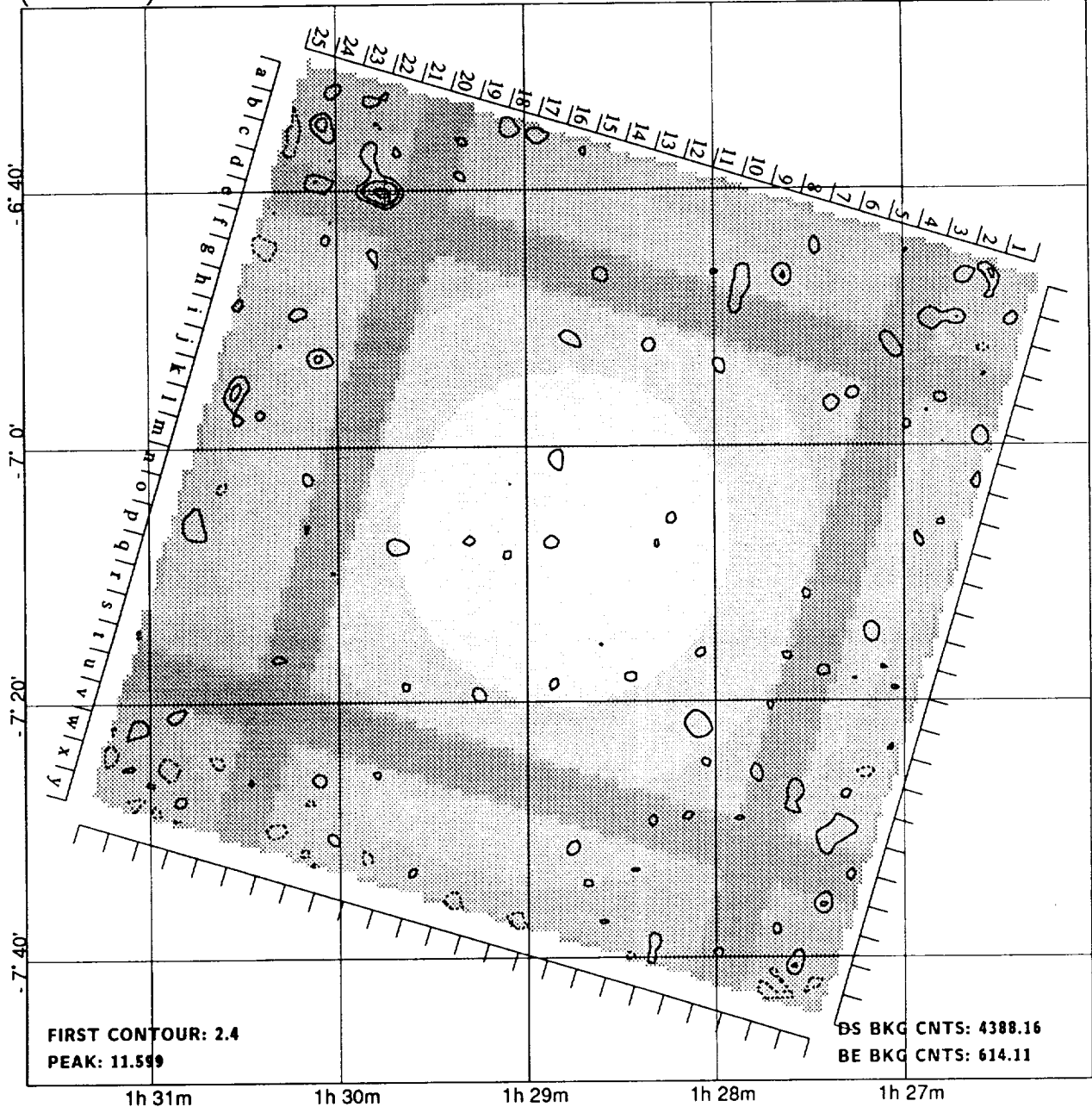
DATE: 1980/197 - 1980/197
 LIVETIME: 2451.6s
 ROLL ANGLE: -58.6°

NH: $4.3E+20$
 REF/ID:
 FIELD FLAGS:

(1h 28m)

I 5768

(1h 28m)



FIRST CONTOUR: 2.4
PEAK: 11.599

DS BKG CNTS: 4388.16
BE BKG CNTS: 614.11

1h 31m

1h 30m

1h 29m

1h 28m

1h 27m

NORMAL GALAXIES: N584

FIELD CENTER: $01^h 28^m 50.0^s -07^{\circ} 07' 35''$ (B1950)
 $01^h 31^m 20.6^s -06^{\circ} 52' 09''$ (J2000)
 $l: 149.81 \quad b: -67.63$

DATE: 1981/ 28 - 1981/ 28
LIVETIME: 3555.9s
ROLL ANGLE: 106.6°

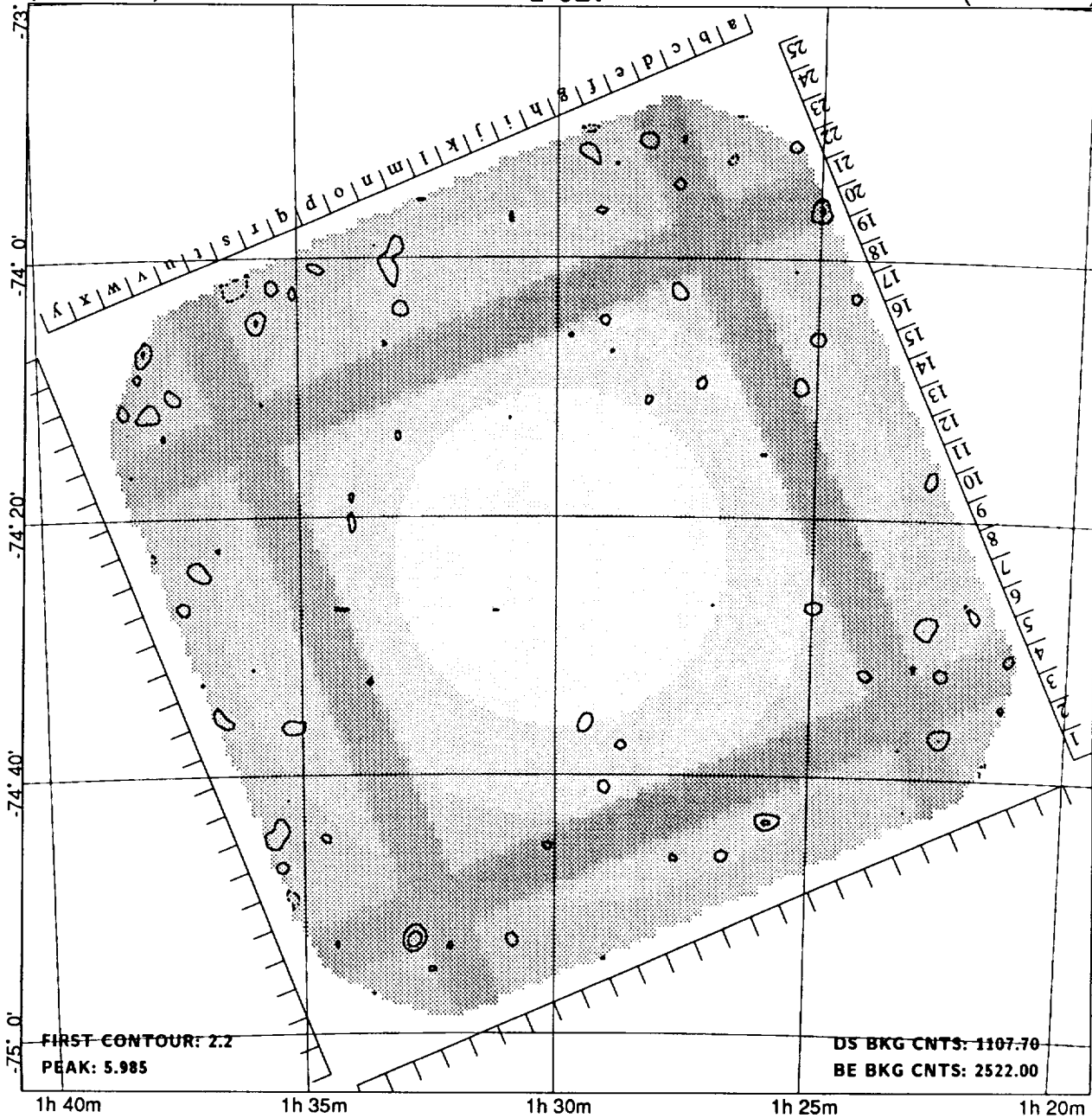
NH: $3.4E+20$
REF/ID: !
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
399	1	01 29 44.6	-06 40 16	55	*0.0140	0.0038	17.0	5.0	3.6	1.0	1107	30.6	H

(1h 29m)

I 627

(1h 29m)



SMC SURVEY

FIELD CENTER: $01^h 29^m 58.4^s$ $-74^\circ 22' 41''$ (B1950)
 $01^h 31^m 01.0^s$ $-74^\circ 07' 16''$ (J2000)
 $l: 299.26$ $b: -42.72$

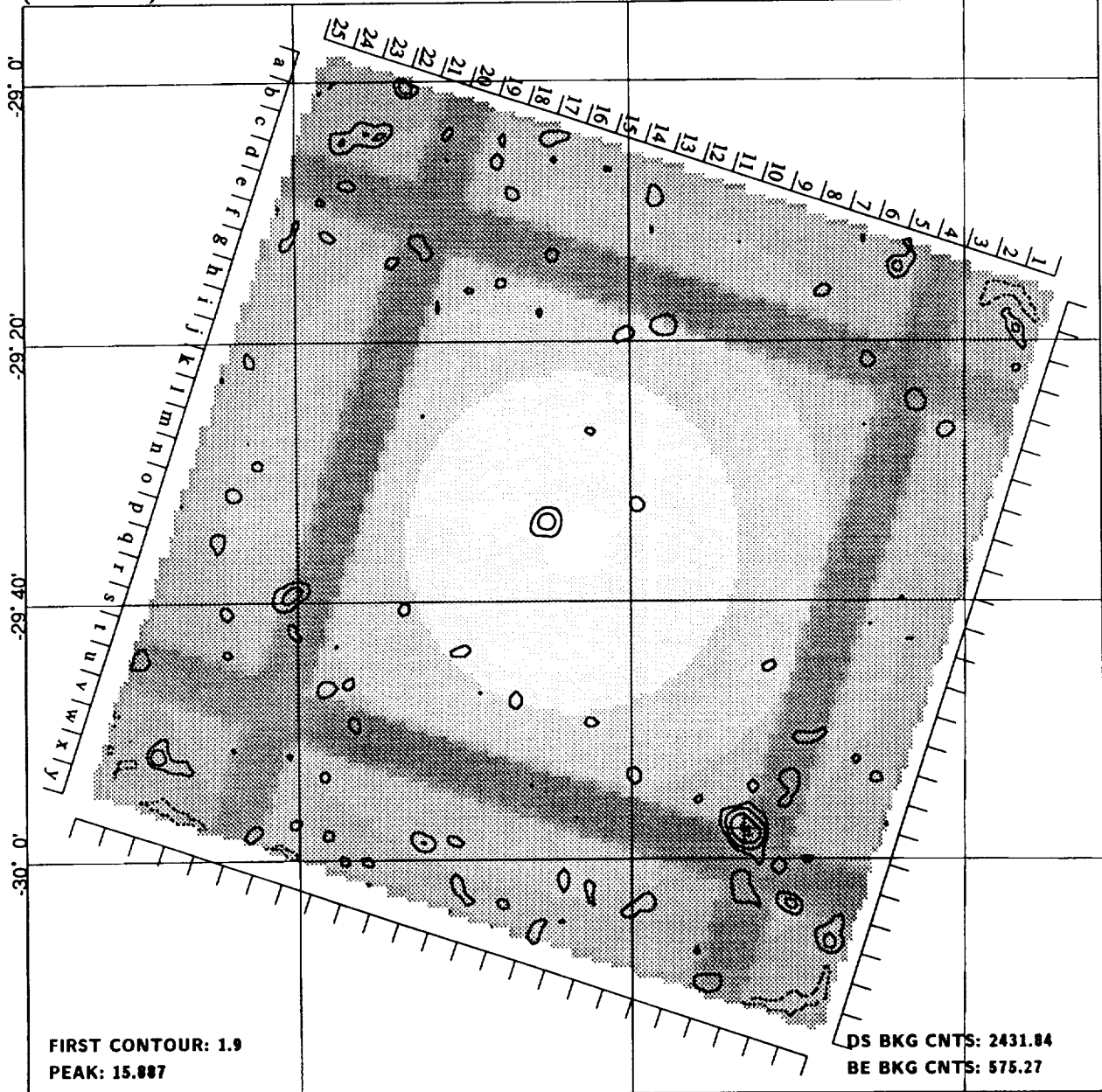
DATE: 1979/315 - 1979/315
 LIVETIME: 897.6s
 ROLL ANGLE: 157.1°

NH: $4.8E+20$
 REF/ID:
 FIELD FLAGS: L

(1h 30m)

I 3556

(1h 30m)



GAMMA RAY BURST SOURCE LOCATION

FIELD CENTER: 01^h30^m24.0^s -29°35'59" (B1950)
 01^h32^m43.1^s -29°20'36" (J2000)
 l : 229.04 b : -80.65

DATE: 1979/ 13 - 1979/ 13
 LIVETIME: 1970.6s
 ROLL ANGLE: 108.1°

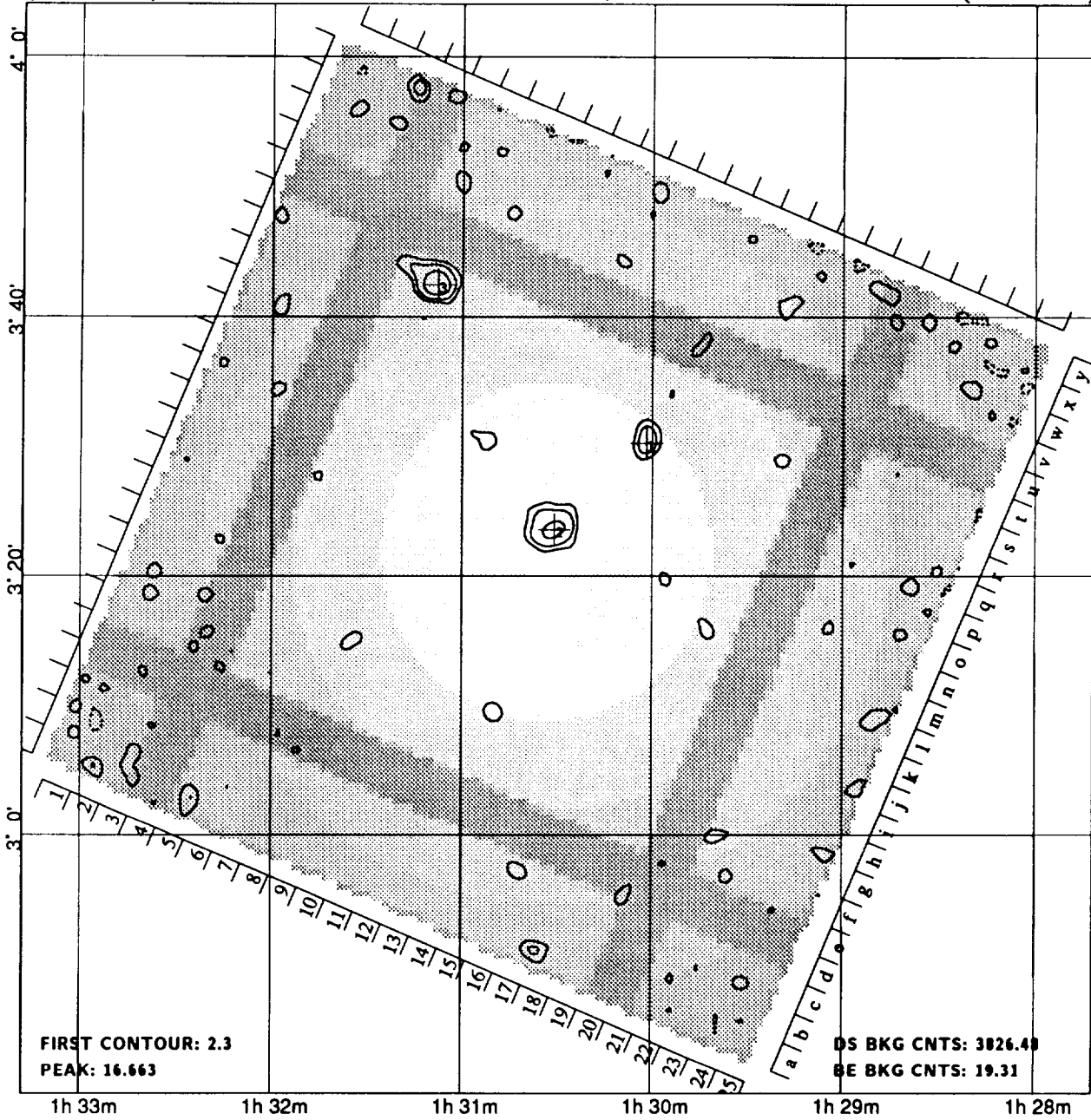
NH: 1.7E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
397	1	01 29 19.4	-29 57 41	50	*0.0452	0.0078	37.1	3.9	5.8	1.1	1205	25.1	H

(1h 30m)

I 4249

(1h 30m)



OPTICALLY BRIGHT, RADIO-QUIET QSO PHL 1027

FIELD CENTER: $01^h 30^m 30.0^s$ $03^{\circ} 21' 59''$ (B1950)
 $01^h 33^m 05.3^s$ $03^{\circ} 37' 22''$ (J2000)
 $l: 142.63$ $b: -57.65$

DATE: 1979/181 - 1979/183
 LIVETIME: 3100.7s
 ROLL ANGLE: -67.1°

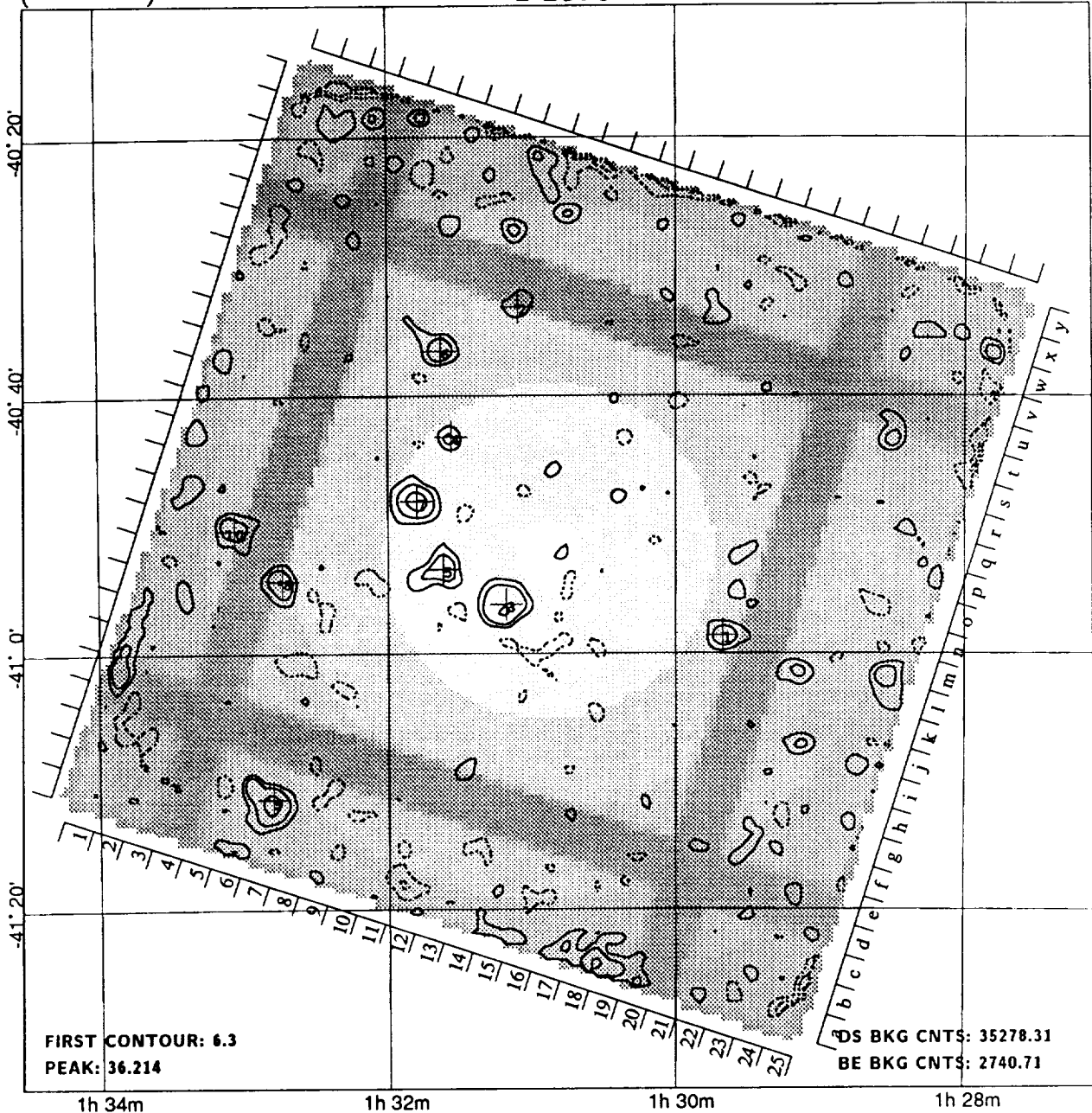
NH: $3.0E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
400	1	01 30 01.7	03 30 14	42	0.0128	0.0029	25.7	8.3	4.4	0.8	0	11.0	H	
405	2	01 30 30.8	03 23 33	35	0.0246	0.0035	56.2	8.8	7.0	1.3	0	1.8	H	Q
412	3	01 31 07.9	03 42 24	50	0.0284	0.0047	41.6	6.4	6.0	1.1	200	22.5	H	Q

(1h 30m)

I 2578

(1h 30m)



DEEP EXTRAGALACTIC SURVEY

FIELD CENTER: 01^h30^m49.0^s -40°51'53" (B1950)
 01^h33^m00.3^s -40°36'30" (J2000)
 l : 273.10 b : -74.02

DATE: 1979/192 - 1979/194
 LIVETIME: 28587.0s
 ROLL ANGLE: -72.0°

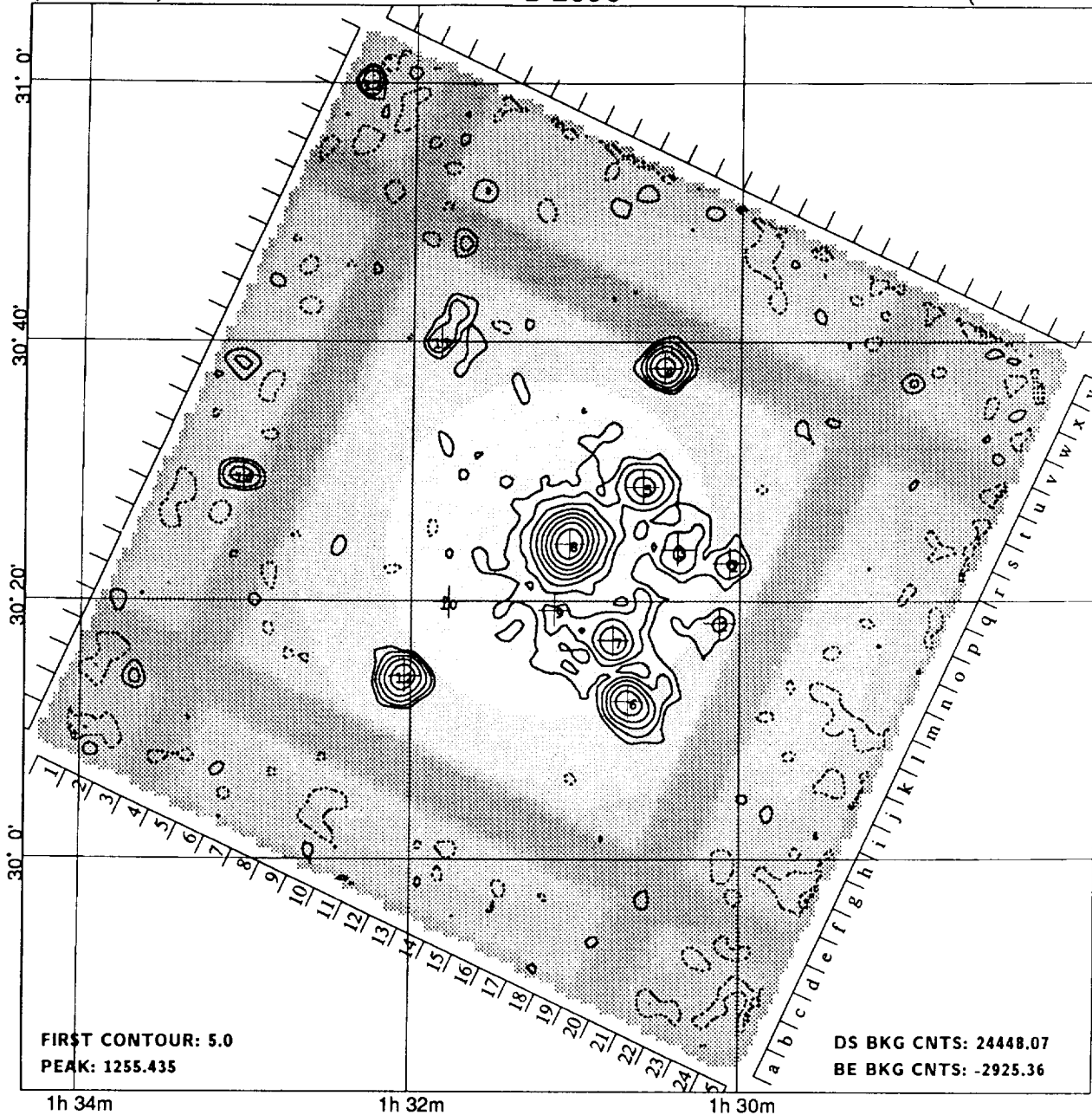
NH: 1.7E+20
 REF/ID: Q
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
398	1	01 29 40.4	-40 58 36	41	*0.00390	0.00070	65.8	75.2	5.5	0.8	501	14.5	H
410	2	01 31 05.7	-40 33 10	69	*0.00240	0.00066	36.1	62.9	3.6	0.6	905	19.1	H
413	3	01 31 10.7	-40 56 12	41	0.00678	0.00074	137.8	89.2	9.1	1.2	0	6.2	H
417	4	01 31 33.6	-40 43 12	43	0.00229	0.00059	42.2	75.8	3.9	0.6	0	12.3	
419	5	01 31 36.9	-40 53 28	41	0.00452	0.00069	88.1	94.9	6.5	1.1	0	9.6	H
420	6	01 31 37.9	-40 36 34	51	0.00451	0.00076	70.3	70.7	5.9	0.9	0	18.2	H
423	7	01 31 47.9	-40 48 13	38	0.00651	0.00076	121.3	79.7	8.6	1.1	0	11.7	H
429	8	01 32 43.9	-40 54 22	51	*0.00439	0.00077	61.9	56.1	5.7	0.8	906	22.1	H
430	9	01 32 48.1	-41 11 23	53	0.0066	0.0011	69.1	56.9	6.2	1.3	0	29.9	H
433	10	01 33 03.6	-40 50 25	56	*0.00468	0.00088	58.0	62.0	5.3	1.2	501	26.1	H

(1h 31m)

I 2090

(1h 31m)



X-RAY SURVEY OF NORMAL GALAXIES: NGC598 = M33

FIELD CENTER: $01^h 31^m 06.0^s$ $30^\circ 23' 59''$ (B1950)
 $01^h 33^m 55.2^s$ $30^\circ 39' 21''$ (J2000)
 $l: 133.63$ $b: -31.33$

DATE: 1979/212 - 1979/215
 LIVETIME: 19810.9s
 ROLL ANGLE: -65.0°

NH: $6.3E+20$
 REF/ID:
 FIELD FLAGS: CD

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	FLG
401	1	01 30 03.8	30 22 53	41	0.00540	0.00086	64.9	41.1	6.3	101.2	0	13.2	AH	*
402	2	01 30 07.3	30 18 17	43	0.00330	0.00075	39.3	40.7	4.4	1.2	200	13.9	H	*
403	3	01 30 22.7	30 23 57	41	0.00723	0.00089	95.6	44.4	8.1	81.2	0	9.2	AH	*
404	4	01 30 27.9	30 37 56	47	*0.0302	0.0017	339.5	41.5	17.4	1.0	701	16.2	AH	*
406	5	01 30 35.3	30 28 48	38	0.0172	0.0012	231.6	41.4	14.0	35.6	0	8.0	AH	*
407	6	01 30 40.5	30 12 13	37	0.0391	0.0019	481.3	41.7	21.0	15.0	0	12.8	AH	*
408	7	01 30 46.0	30 16 57	38	0.0212	0.0014	285.9	48.1	15.6	25.4	0	8.2	AH	*
409	8	01 31 02.3	30 24 23	31	0.3581	0.0050	5262.0	53.0	72.2	1.7	0	0.8	AH	*
411	9	01 31 07.5	30 19 17	42	0.00385	0.00074	54.8	57.2	5.2	137.2	0	5.5	AH	*
422	10L	01 31 46.2	30 19 56	43	0.00311	0.00084	41.7	41.3	3.6	0.1	0	9.6		

Source Table cont.

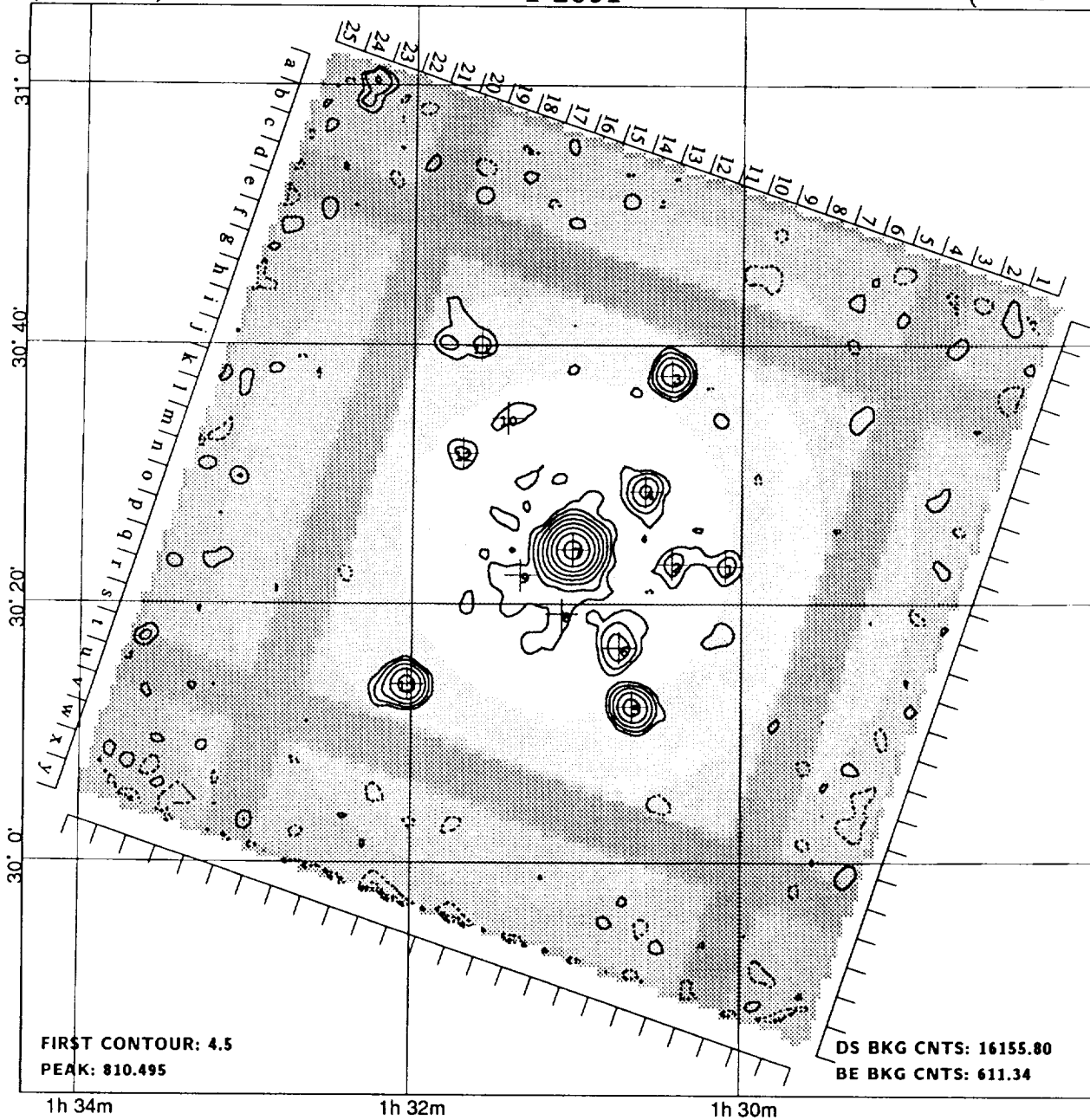
I 2090 cont.

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
424	11	01 31 49.6	30 40 07	51	0.00557	0.00094	59.1	39.9	5.9	1.3	0	18.8	H	*
425	12	01 32 02.4	30 14 11	47	0.0379	0.0019	442.7	42.3	20.1	1.1	0	15.6	AH	*
426	13	01 32 16.4	31 00 03	56	0.0072	0.0020	28.1	30.9	3.7	0.7	400	39.1	H	
432	14	01 33 01.5	30 29 38	50	0.0078	0.0012	66.1	33.9	6.6	0.9	500	25.8	H	S

(1h 31m)

I 2091

(1h 31m)



X-RAY SURVEY OF NORMAL GALAXIES: NGC598 = M33

FIELD CENTER: $01^h 31^m 06.0^s$ $30^\circ 23' 59''$ (B1950)
 $01^h 33^m 55.2^s$ $30^\circ 39' 21''$ (J2000)
 $l: 133.63$ $b: -31.33$

DATE: 1980/ 11 - 1980/ 12
 LIVETIME: 13091.5s
 ROLL ANGLE: 108.8°

NH: $6.3E+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
401	1	01 30 05.9	30 22 54	42	0.0052	0.0011	43.5	34.5	4.9	1.8	0	13.2	A	*
403	2	01 30 25.3	30 23 06	42	0.0049	0.0010	44.2	40.8	4.8	1.8	0	8.4	AH	*
404	3	01 30 25.6	30 37 36	47	0.0248	0.0020	189.4	36.6	12.6	0.9	0	16.2	AH	*
406	4	01 30 35.1	30 28 40	38	0.0157	0.0015	142.2	43.8	10.4	1.0	0	8.0	AH	*
407	5	01 30 39.7	30 12 04	38	0.0387	0.0023	313.8	36.2	16.8	1.0	0	13.1	AH	*
408	6	01 30 44.4	30 16 36	38	0.0118	0.0013	105.2	38.8	8.8	1.3	0	8.6	AH	*
409	7	01 31 01.5	30 24 13	31	0.3346	0.0059	3267.7	40.3	56.8	1.2	0	0.9	AH	*
411	8	01 31 05.3	30 19 11	37	0.00338	0.00092	31.6	41.4	3.7	79.7	0	3.5	A	*
415	9	01 31 20.6	30 22 13	41	0.00302	0.00085	28.5	35.5	3.6	100.8	0	3.4	H	*
416	10	01 31 25.4	30 34 18	47	0.00361	0.00096	30.9	37.1	3.7	0.8	0	11.8		*

Source Table cont.

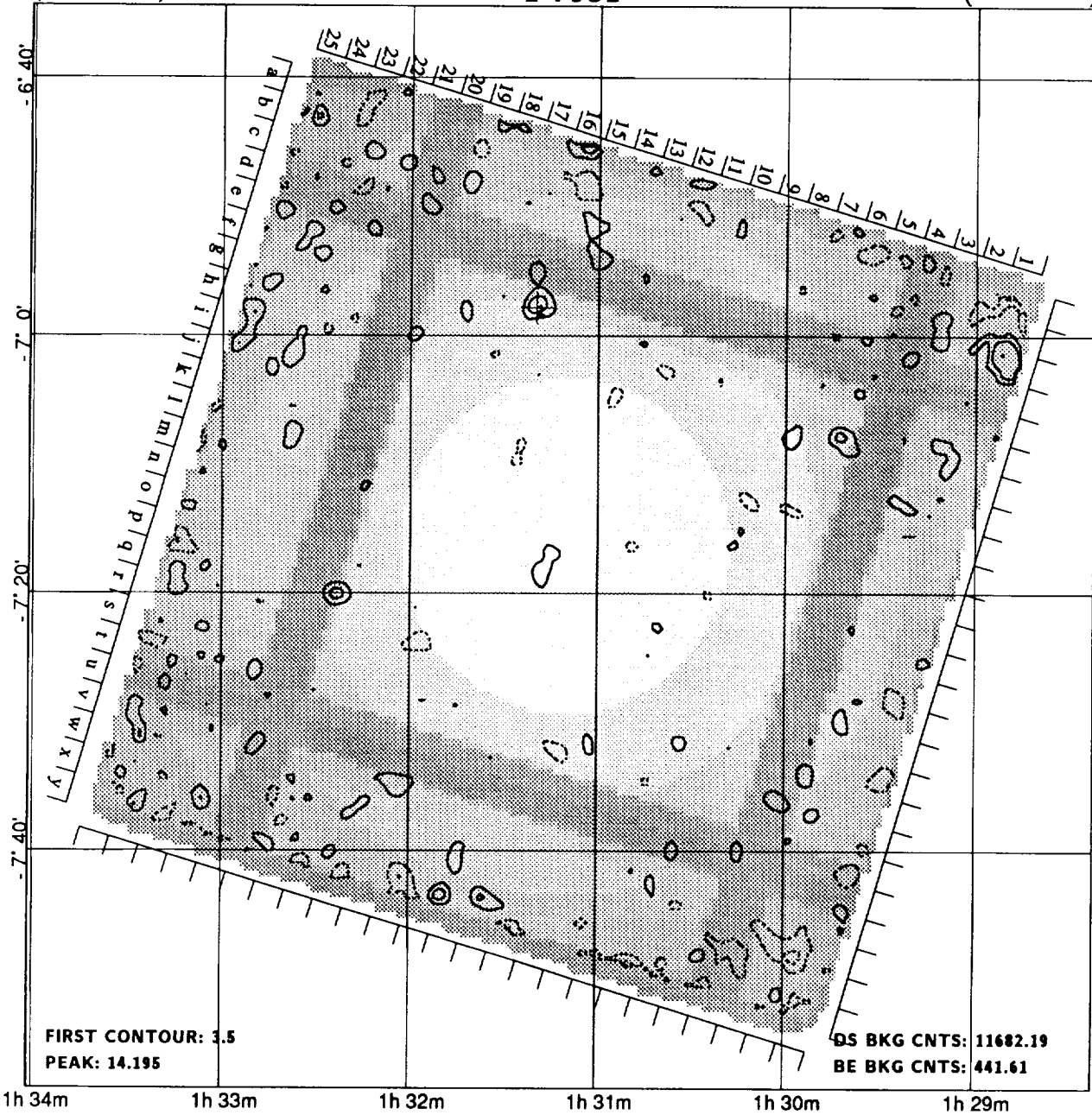
I 2091 cont.

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
418	11	01 31 35.2	30 39 54	52	0.0044	0.0011	31.9	30.1	4.0	2.2	0	19.2	H	†
421	12	01 31 41.7	30 31 35	43	0.0050	0.0010	42.5	33.5	4.9	0.6	0	11.1	H	
425	13	01 32 01.5	30 13 49	47	0.0389	0.0024	289.2	30.8	16.2	1.0	0	15.7	AH	*

(1h 31m)

I 7951

(1h 31m)



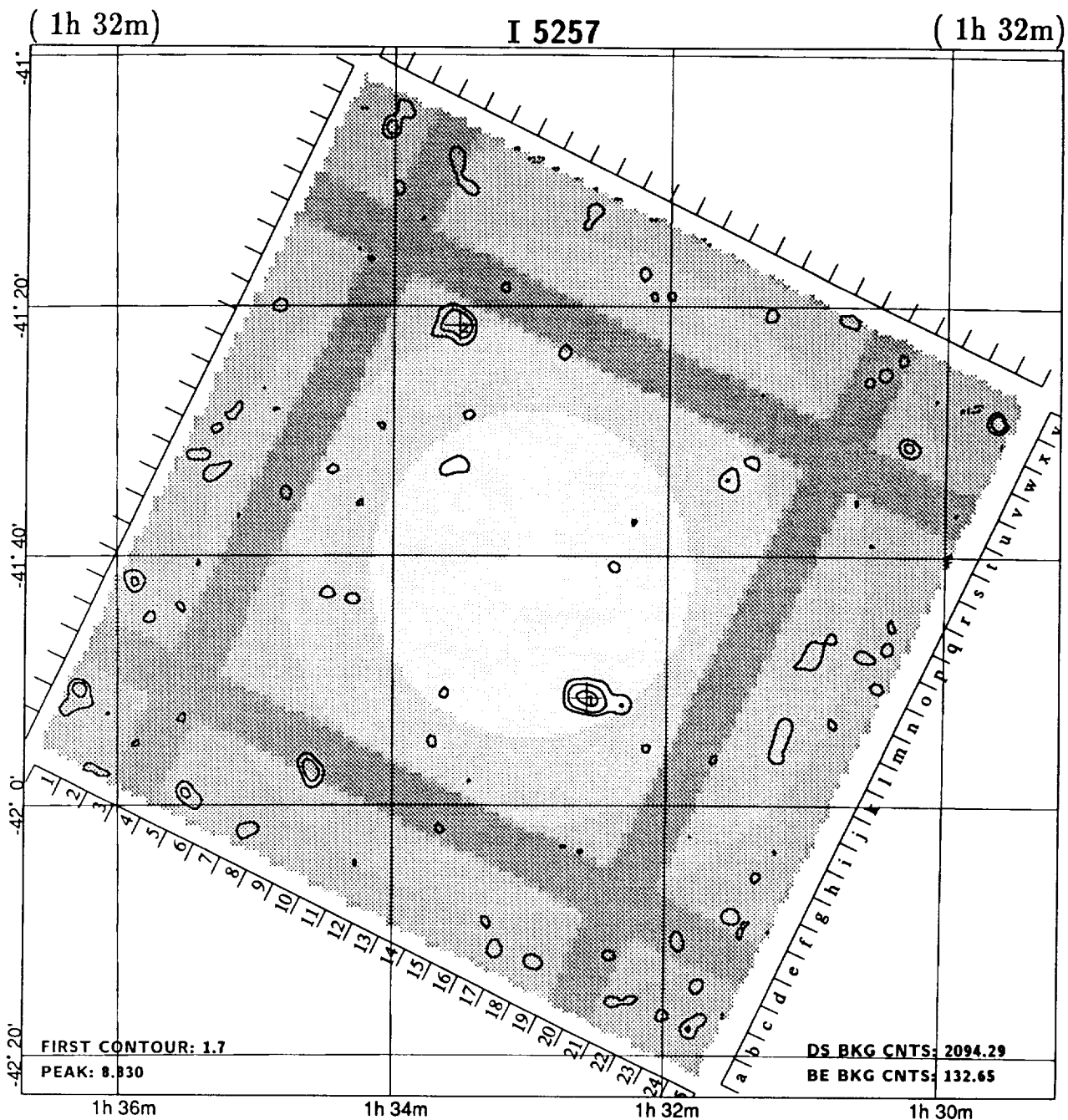
HR 0448(HD 9562),CFA STELLAR SURVEY

FIELD CENTER: 01^h31^m12.0^s -07°16'29" (B1950)
 01^h33^m42.5^s -07°01'08" (J2000)
 l : 151.37 b : -67.53

DATE: 1981/ 28 - 1981/ 28
 LIVETIME: 9466.4s
 ROLL ANGLE: 106.7°

NH: 3.2E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID
414	1	01 31 19.8	-06 57 50	53	0.0052	0.0014	26.3	20.7	3.8	0.8	600	19.2	H	



NGC 652, X-RAY AND OPTICAL STUDY OF NEARBY EMISSION-LINE GALAXIES

FIELD CENTER: $01^h 32^m 55.0^s$ $-41^\circ 41' 23''$ (B1950)
 $01^h 35^m 05.1^s$ $-41^\circ 26' 04''$ (J2000)
 $l: 273.67$ $b: -73.12$

DATE: 1980/182 - 1980/182
 LIVETIME: 1697.1s
 ROLL ANGLE: -64.1°

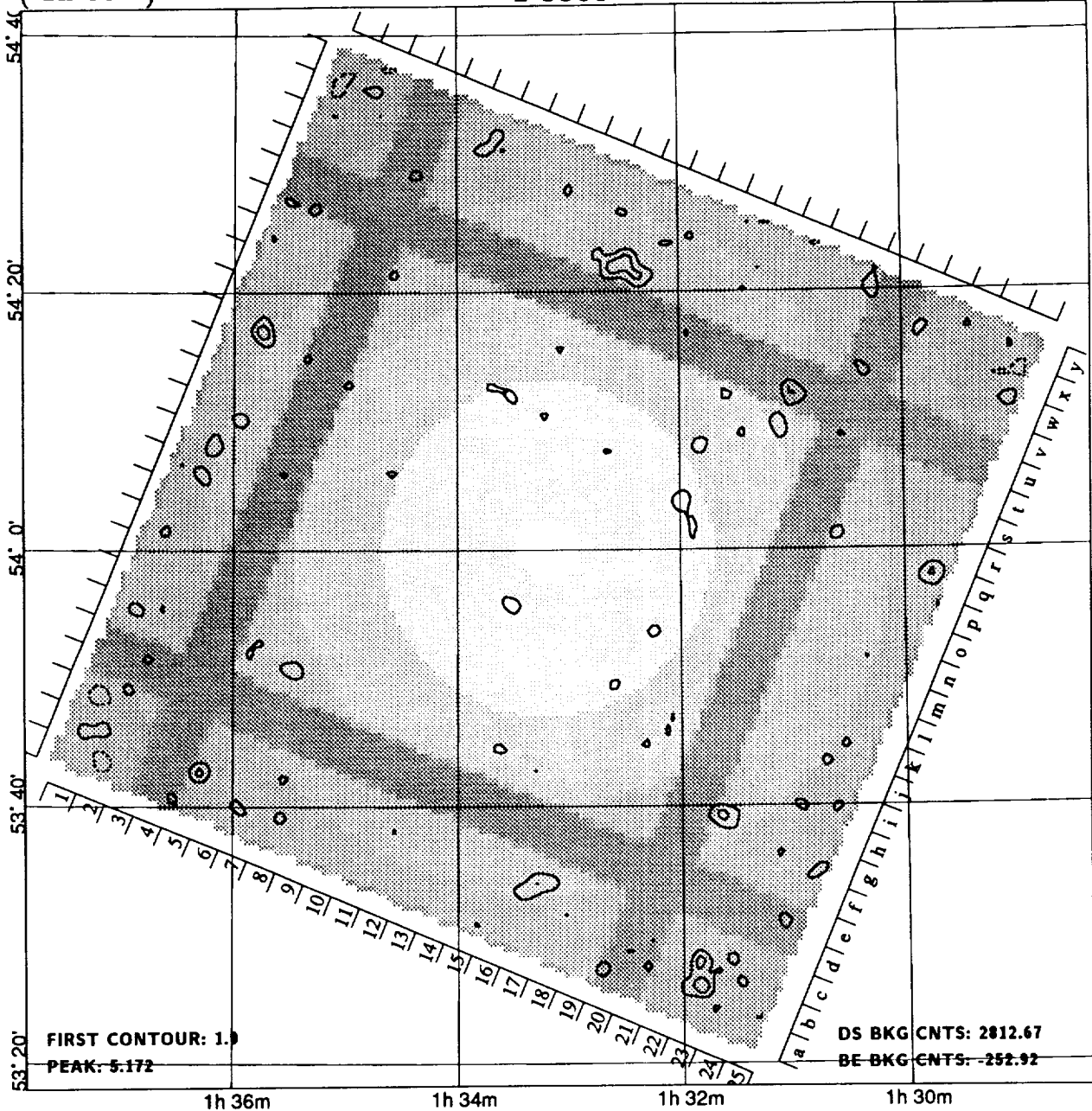
NH: $1.7E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
428	1	01 32 34.8	-41 51 26	41	0.0292	0.0055	32.5	5.5	5.3	1.2	0	10.7	H
435	2	01 33 31.4	-41 21 34	53	0.0215	0.0056	18.2	3.8	3.9	0.9	100	21.1	H

(1h 33m)

I 3303

(1h 33m)



SYMBIOTIC STARS: AX PER

FIELD CENTER: $01^h 33^m 06.0^s$ $54^\circ 00' 17''$ (B1950)
 $01^h 36^m 16.9^s$ $54^\circ 15' 35''$ (J2000)
 $l: 129.52$ $b: -8.04$

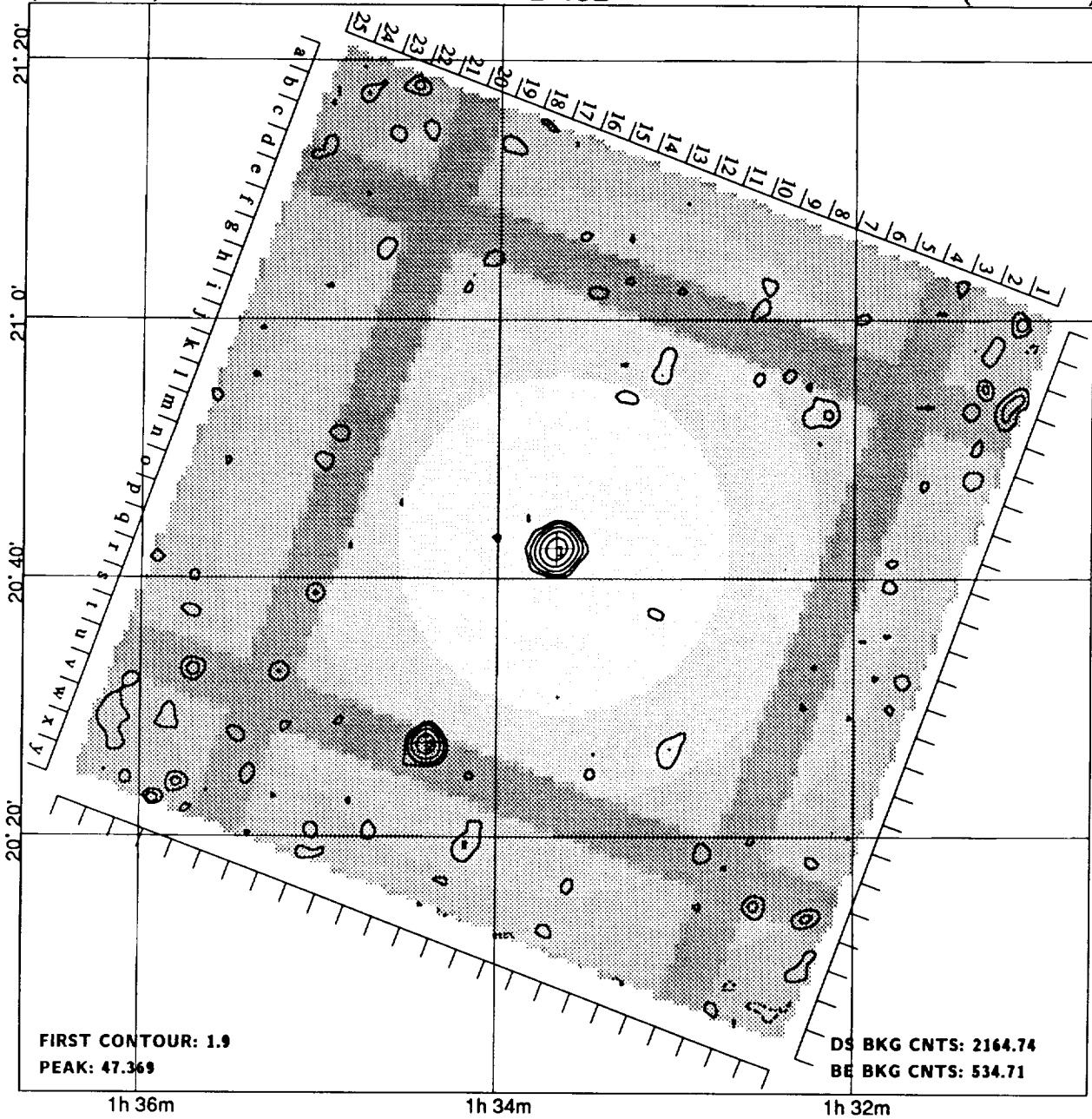
DATE: 1979/210 - 1979/210
 LIVETIME: 2279.2s
 ROLL ANGLE: -67.4°

NH: $2.0E+21$
 REF/ID: S
 FIELD FLAGS:

(1h 33m)

I 482

(1h 33m)



3CR 47 (QSO 0133+207) QUASAR SURVEY

FIELD CENTER: 01^h33^m40.3^s 20°42'15" (B1950)
 01^h36^m24.3^s 20°57'33" (J2000)
 $l: 136.83$ $b: -40.70$

DATE: 1979/ 12 - 1979/ 12
 LIVETIME: 1754.1s
 ROLL ANGLE: 110.4°

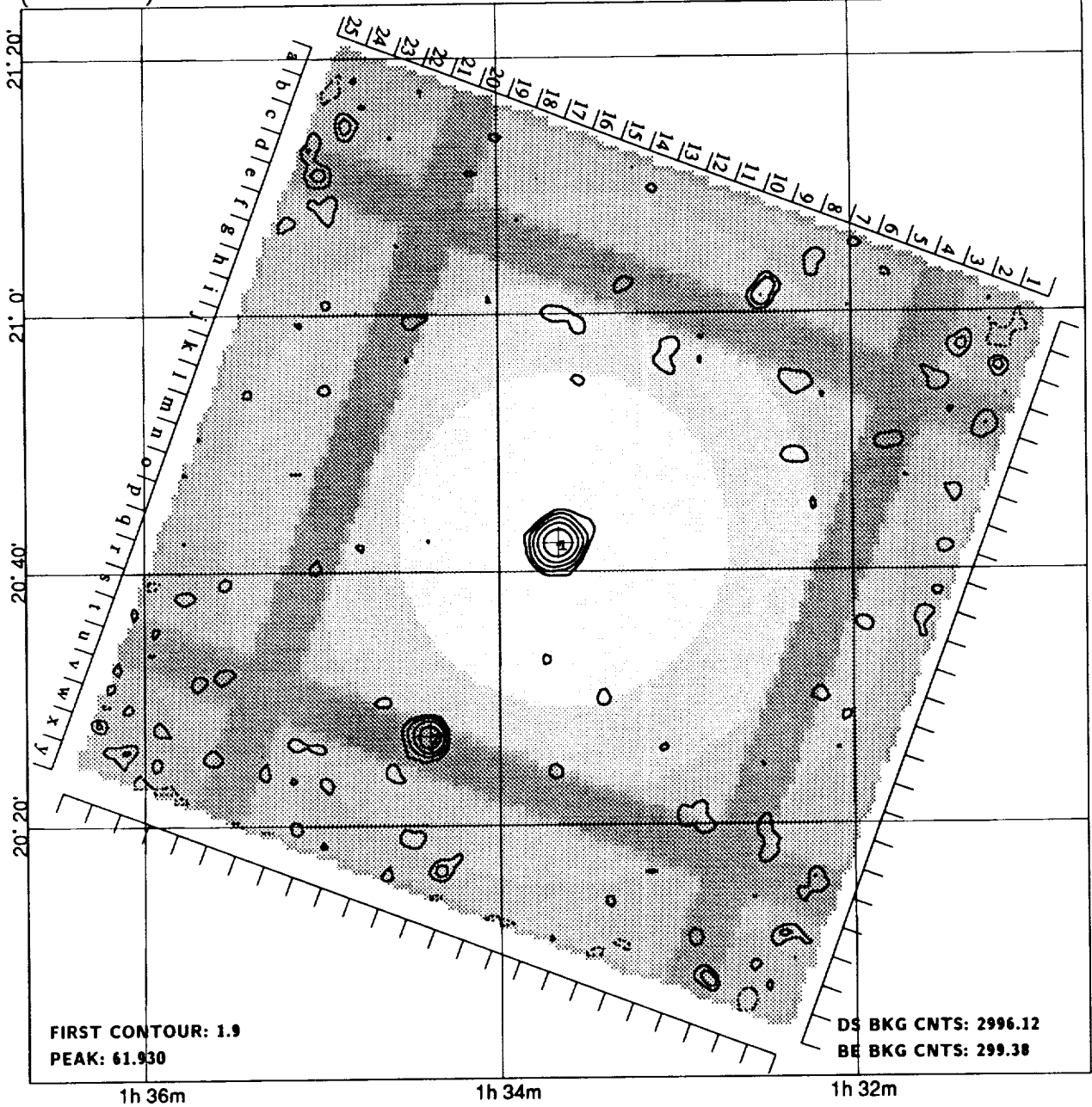
NH: 5.8E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
437	1	01 33 40.2	20 42 22	31	0.143	0.011	186.9	7.1	13.4	1.0	0	0.2	AH	Q
442	2	01 34 23.7	20 27 14	50	*0.0613	0.0084	57.1	3.9	7.3	0.9	1109	18.1	A	S

(1h 33m)

I 540

(1h 33m)



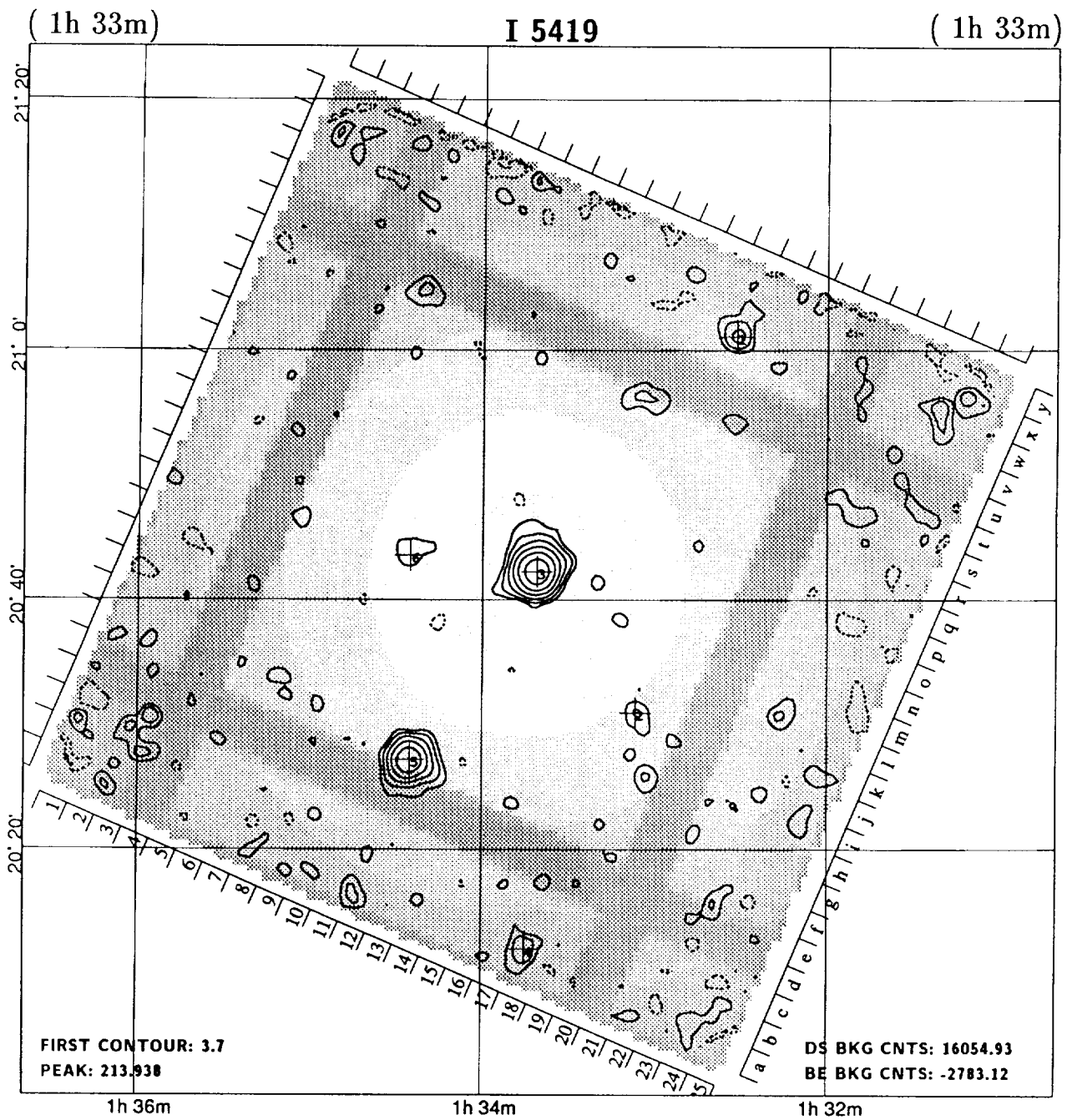
3CR 47 (QSO 0133+207) QUASAR SURVEY

FIELD CENTER: 01^h33^m40.3^s 20°42'15" (B1950)
 01^h36^m24.3^s 20°57'33" (J2000)
 l : 136.83 b : -40.70

DATE: 1979/ 12 - 1979/ 12
 LIVETIME: 2427.8s
 ROLL ANGLE: 110.4°

NH: 5.8E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
437	1	01 33 39.9	20 42 14	31	0.1445 0.0091	261.7	8.3	15.9	1.1	0	0.2	AH	Q
442	2	01 34 23.7	20 27 04	48	*0.0556 0.0068	71.8	5.2	8.2	0.9	1108	18.2	A	S



3C47, LONG OBS. OF HIGH COUNT QUASARS

FIELD CENTER: $01^{\text{h}}33^{\text{m}}40.3^{\text{s}}$ $20^{\circ}42'15''$ (B1950)
 $01^{\text{h}}36^{\text{m}}24.3^{\text{s}}$ $20^{\circ}57'33''$ (J2000)
 $l: 136.83$ $b: -40.70$

DATE: 1980/211 - 1980/212
LIVETIME: 13009.7s
ROLL ANGLE: -66.9°

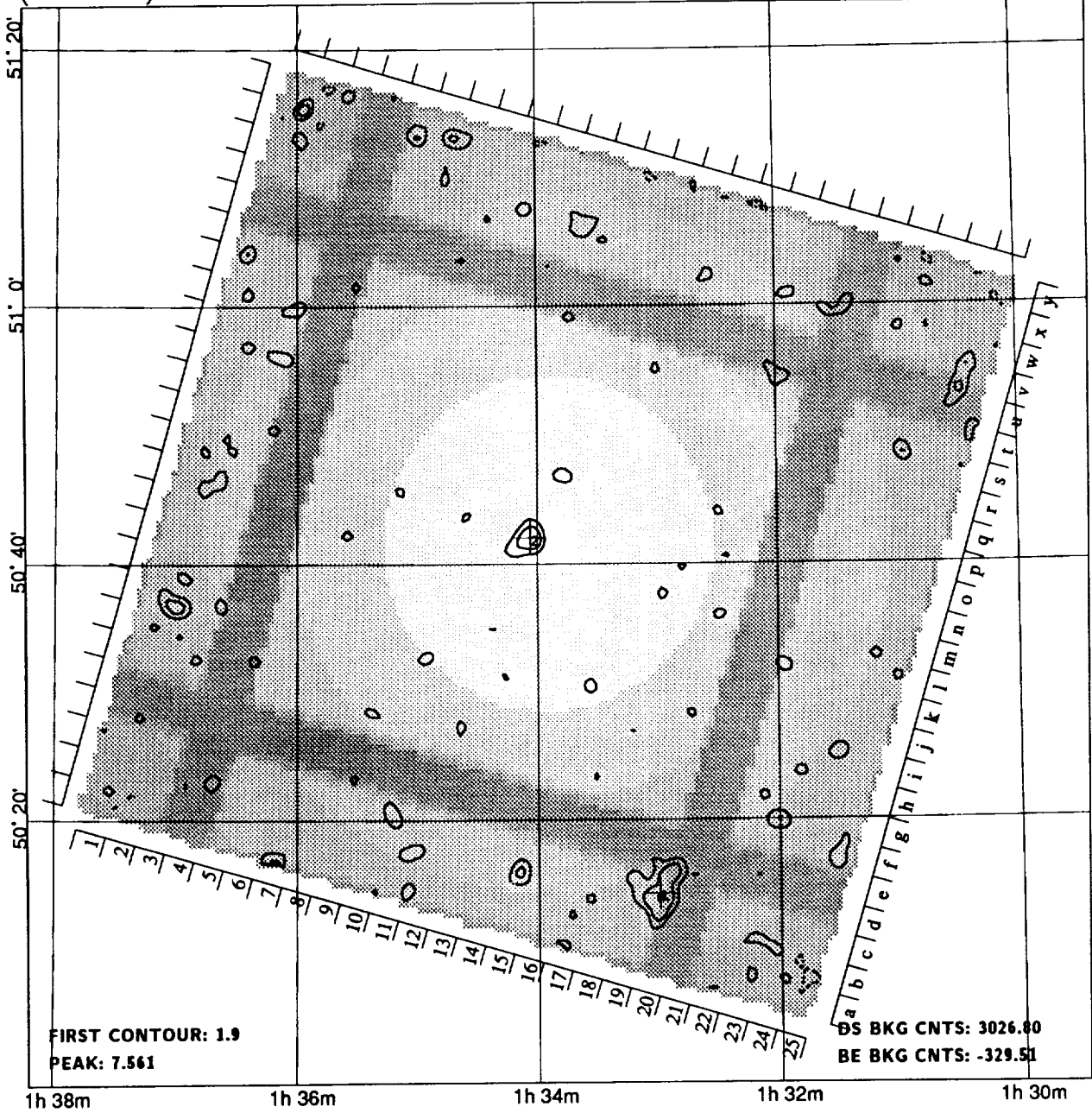
NH: $5.8\text{E}+20$
REF/ID:
FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
427	1	01 32 31.5	21 01 06	51	0.0075	0.0014	41.0	22.0	5.2	1.0	0	24.8	H	
434	2	01 33 06.4	20 30 56	47	0.00377	0.00092	29.8	23.2	4.1	0.7	0	13.6	H	
437	3	01 33 40.9	20 42 16	31	0.0926	0.0031	896.8	31.2	29.4	1.3	0	0.2	AH	Q
438	4	01 33 44.9	20 12 02	61	0.0059	0.0015	27.3	18.7	4.0	1.0	100	30.5	H	
442	5	01 34 25.2	20 27 12	47	*0.0480	0.0027	343.1	22.9	17.9	1.2	601	18.4	AH	S
443	6	01 34 25.4	20 43 35	47	0.00356	0.00087	30.8	26.2	4.1	0.7	0	10.6	H	

(1h 33m)

I 3351

(1h 33m)



DWARF NOVAE: KT PER

FIELD CENTER: 01^h33^m50.0^s 50°41'37" (B1950)
 01^h36^m56.9^s 50°56'54" (J2000)
 l : 130.21 b : -11.28

DATE: 1979/210 - 1979/210
 LIVETIME: 2452.7s
 ROLL ANGLE: -73.7°

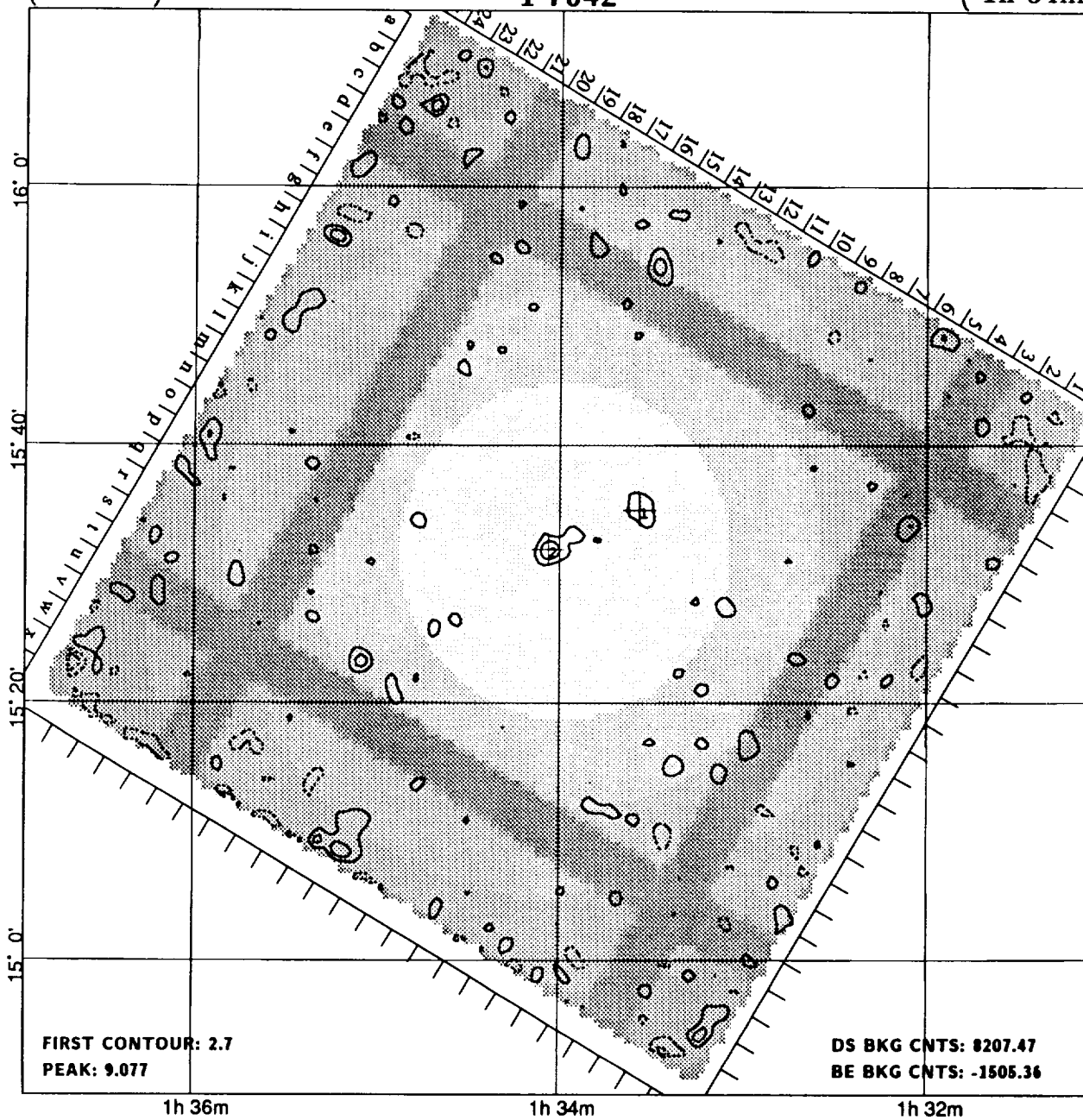
NH: 1.6E+21
 REF/ID: CV
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
431	1	01 33 00.1	50 14 15	56	*0.0179 0.0049	16.4	3.6	3.7	1.8	804	29.4	H	
439	2	01 34 03.7	50 42 00	36	0.0158 0.0033	28.8	6.2	4.9	0.8	0	2.3	H	CV

(1h 34m)

I 7042

(1h 34m)



FIRST CONTOUR: 2.7
PEAK: 9.077

DS BKG CNTS: 8207.47
BE BKG CNTS: -1505.36

NGC 628, LATE GALAXY SURVEY

FIELD CENTER: 01^h34^m01.0^s 15°31'35" (B1950)
01^h36^m42.3^s 15°46'52" (J2000)
 l : 138.62 b : -45.71

DATE: 1980/ 10 - 1980/ 10
LIVETIME: 6650.7s
ROLL ANGLE: 120.6°

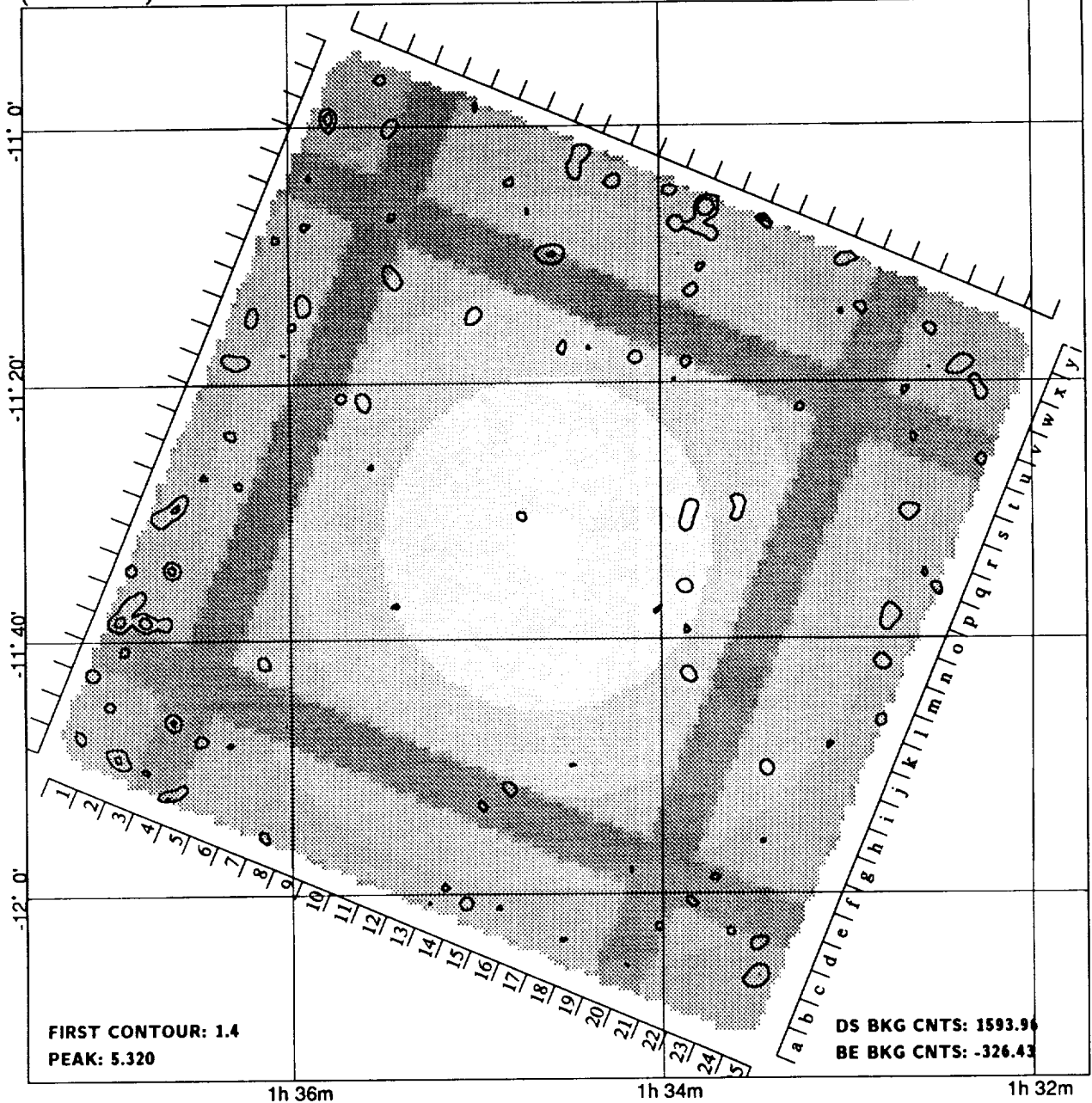
NH: 4.8E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
436	1	01 33 33.8	15 35 00	47	0.0052 0.0014	24.3	15.7	3.8	0.7	0	7.2	
440	2	01 34 03.7	15 31 53	36	0.0052 0.0013	25.5	16.5	3.9	0.9	0	0.8	H G

(1h 34m)

I 329

(1h 34m)



4U 0134-11 SUPERCLUSTER STUDY

FIELD CENTER: 01^h34^m34.0^s -11°32'23" (B1950)
 01^h37^m02.3^s -11°17'07" (J2000)
 l : 159.20 b : -70.87

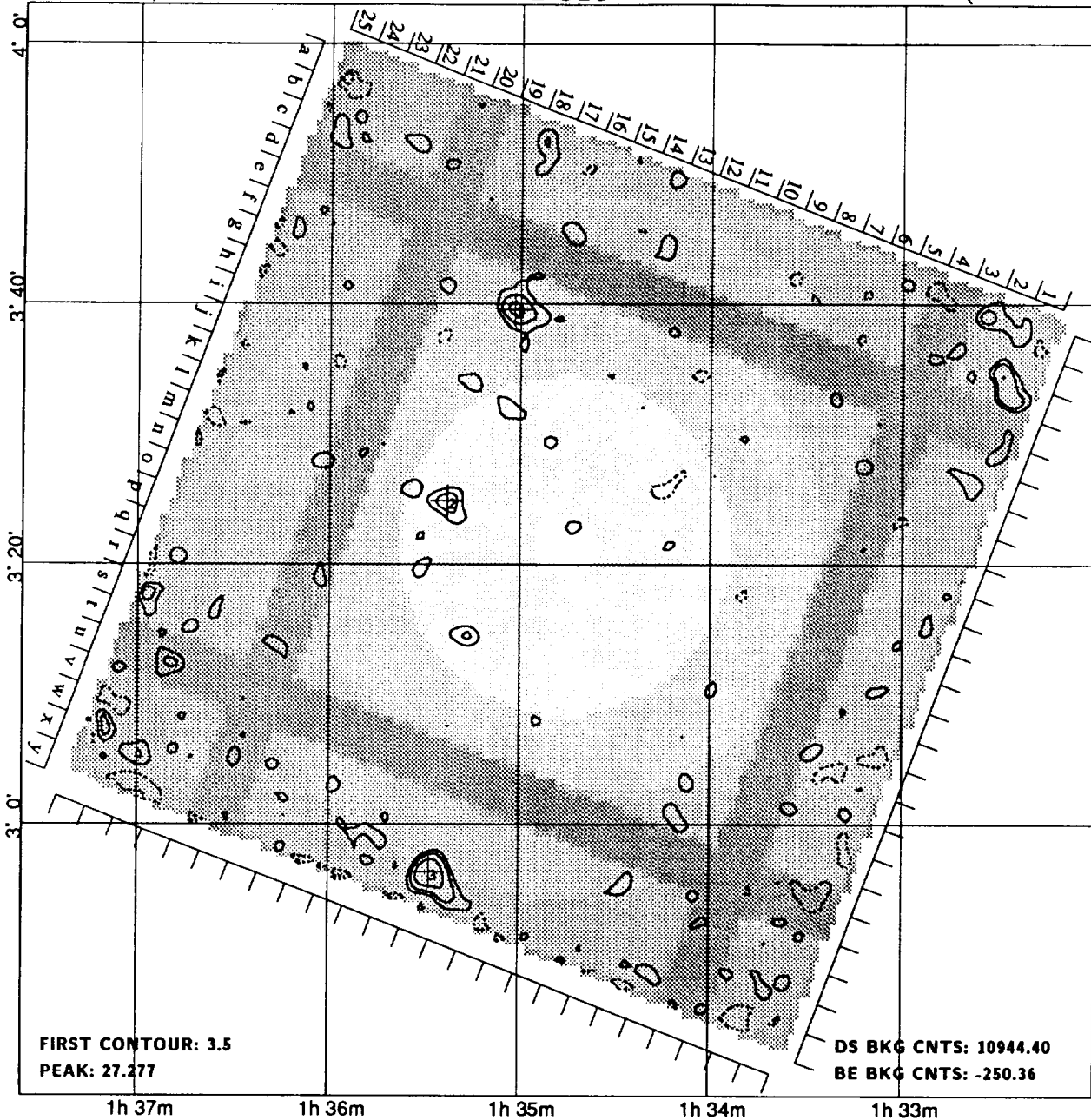
DATE: 1979/191 - 1979/191
 LIVETIME: 1291.6s
 ROLL ANGLE: -67.5°

NH: 2.3E+20
 REF/ID:
 FIELD FLAGS:

(1h 34m)

I 513

(1h 34m)



PHL 1070 (QSO 0134+033) QUASAR SURVEY

FIELD CENTER: $01^h 34^m 48.0^s$ $03^{\circ} 20' 59''$ (B1950)
 $01^h 37^m 23.4^s$ $03^{\circ} 36' 15''$ (J2000)
 $l: 144.54$ $b: -57.33$

DATE: 1980/ 18 - 1980/ 19
 LIVETIME: 8868.5s
 ROLL ANGLE: 110.9°

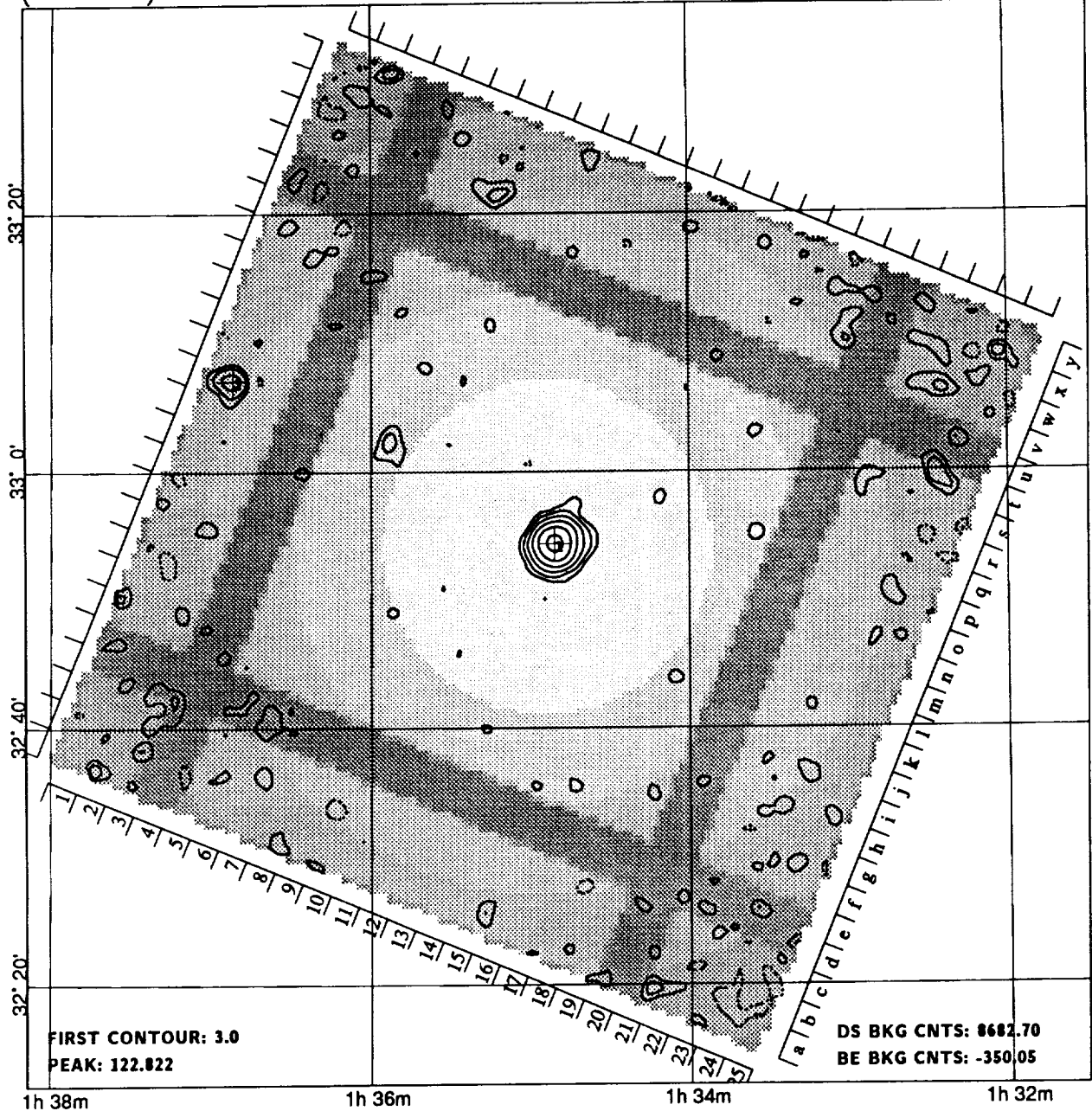
NH: $3.1E+20$
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
445	1	01 35 01.9	03 39 32	50	0.0089	0.0017	42.0	20.0	5.3	1.1	0	18.8	H	AGN
448	2	01 35 22.9	03 24 52	42	0.0065	0.0013	38.3	21.7	4.9	0.8	0	9.5	H	
449	3	01 35 28.2	02 56 14	50	0.0173	0.0026	60.2	18.8	6.8	1.1	0	26.6	H	

(1h 34m)

I 480

(1h 34m)



3CR 48 (QSO 0134+329) QUASAR SURVEY

FIELD CENTER: 01^h34^m49.8^s 32°54'19" (B1950)
 01^h37^m41.3^s 33°09'34" (J2000)
 l : 133.96 b : -28.72

DATE: 1980/207 - 1980/207
 LIVETIME: 7035.8s
 ROLL ANGLE: -67.7°

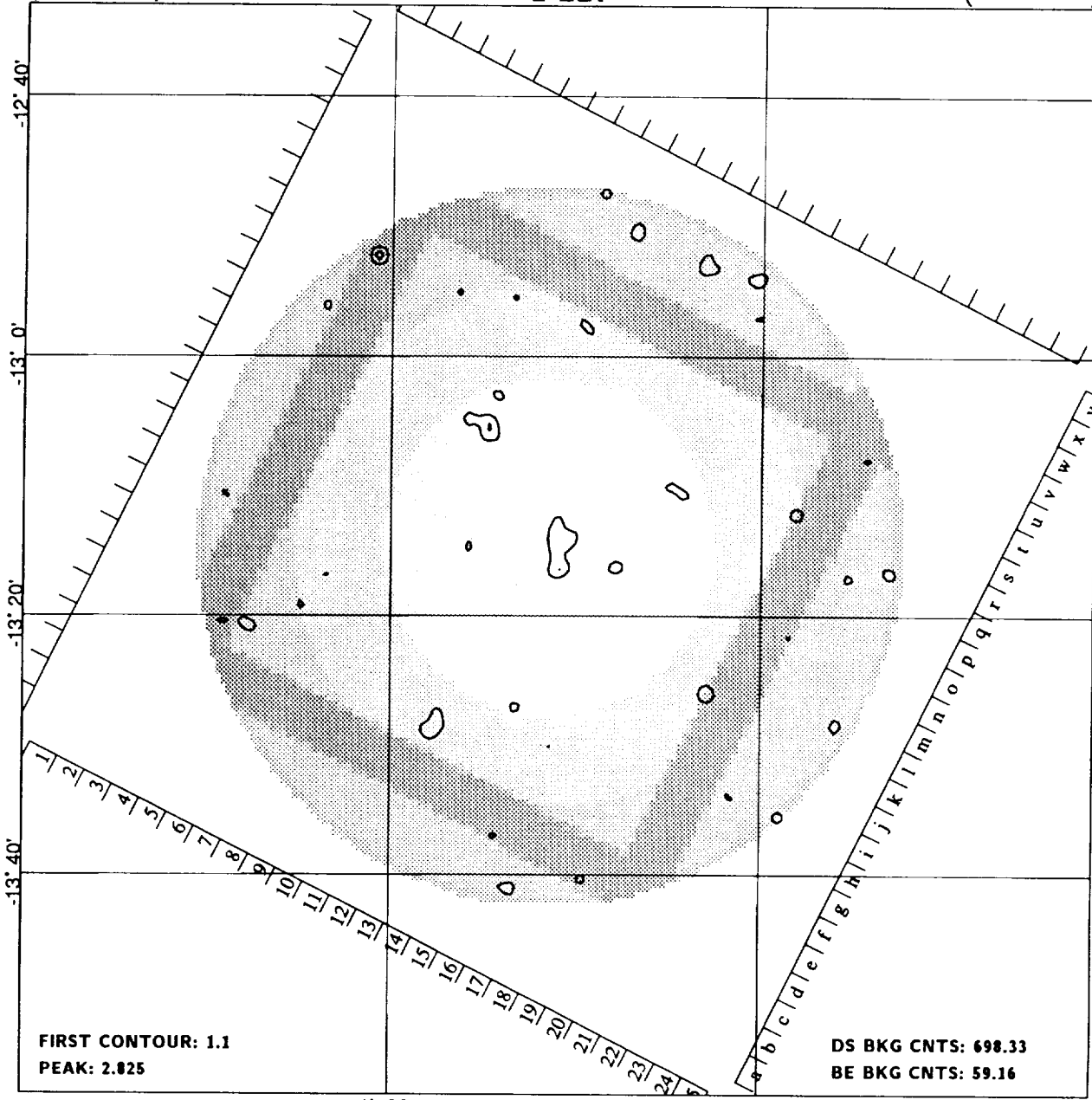
NH: 4.4E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
444	1	01 34 50.9	32 54 23	31	0.0988 0.0044	517.3	19.7	22.3	1.3	0	0.4	H Q
456	2	01 36 51.9	33 07 06	51	0.0118 0.0025	31.9	13.1	4.7	0.9	100	28.8	

(1h 35m)

I 227

(1h 35m)



1h 36m

1h 34m

A 222 AND 223 CLUSTER EVOLUTION

FIELD CENTER: $01^h 35^m 06.0^s$ $-13^\circ 14' 59''$ (B1950)
 $01^h 37^m 33.4^s$ $-12^\circ 59' 44''$ (J2000)
 $l: 162.56$ $b: -72.22$

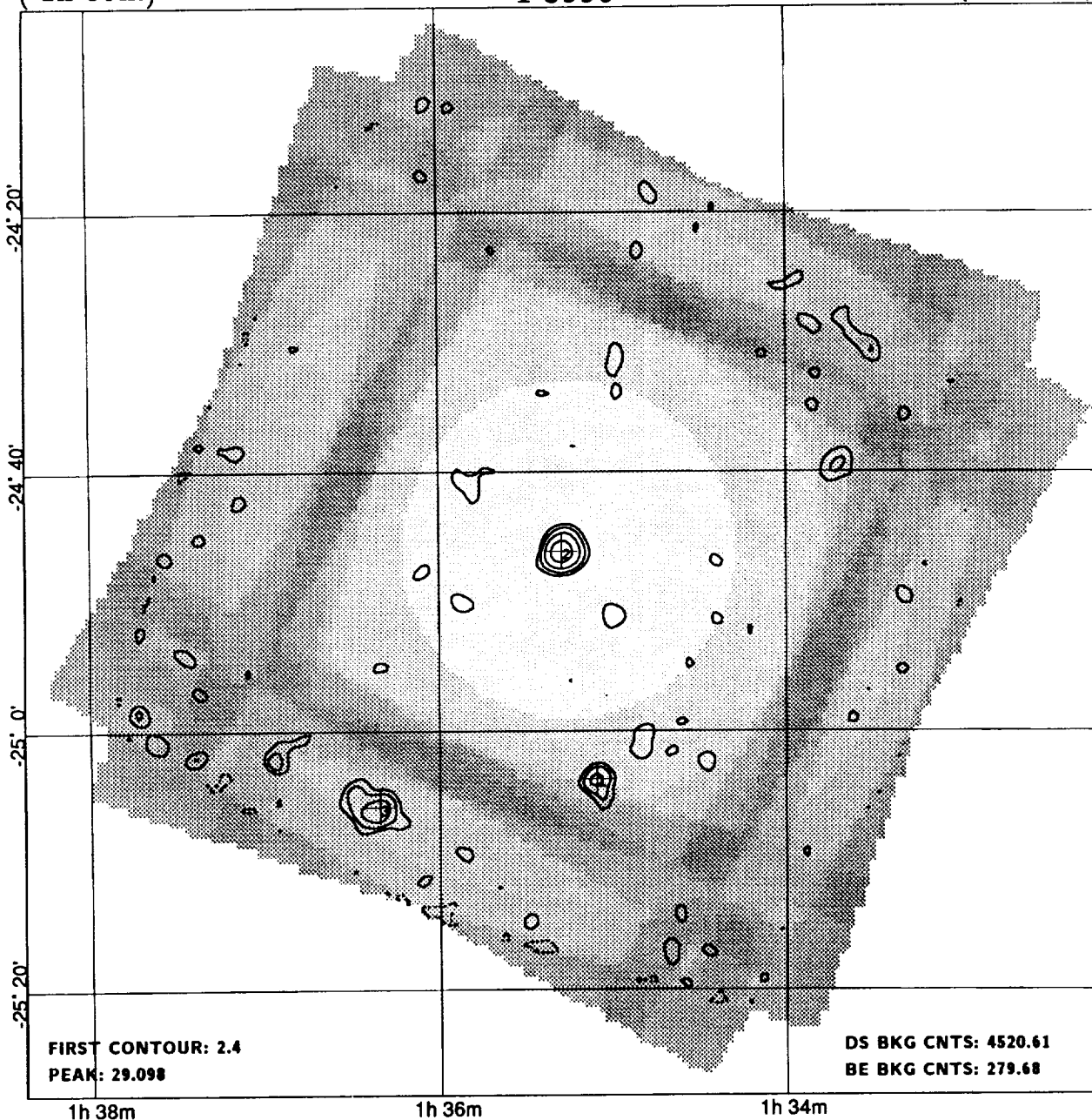
DATE: 1979/180 - 1979/180
 LIVETIME: 565.9s
 ROLL ANGLE: -63.4°

NH: $1.6E+20$
 REF/ID: !
 FIELD FLAGS:

(1h 35m)

I 3996

(1h 35m)



0135-247, OPTICALLY-QUIET COMPACT RADIO SOURCE

FIELD CENTER: 01^h35^m17.2^s -24°46'11" (B1950)
 01^h37^m38.4^s -24°30'56" (J2000)
 l : 201.40 b : -79.28

DATE: 1979/353 - 1980/ 17
 LIVETIME: 3663.2s

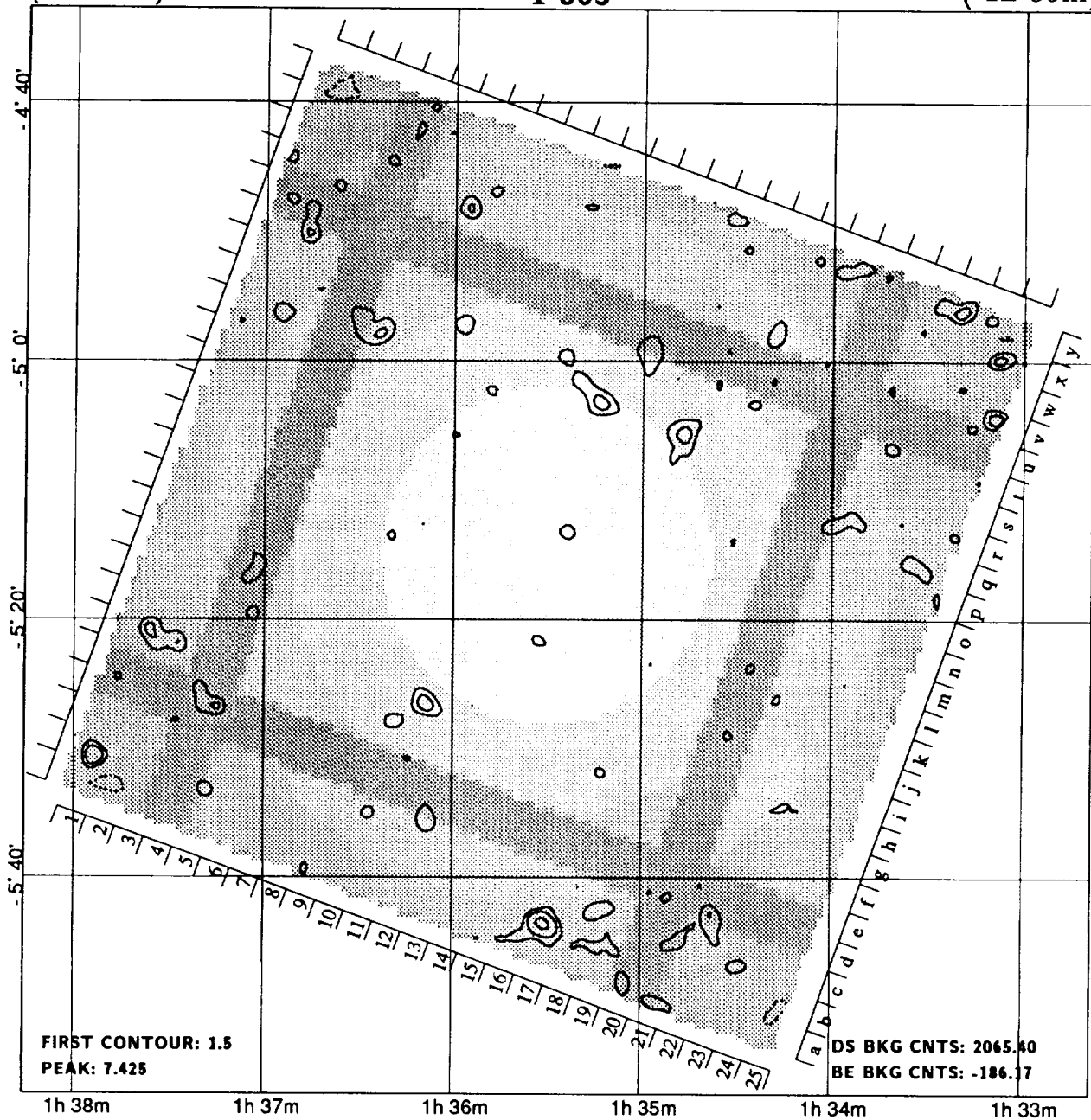
NH: 1.2E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
446	1	01 35 05.5	-25 03 45	51	*0.0145	0.0031	28.8	9.2	4.7	0.9	602	17.9	H
447	2	01 35 17.5	-24 46 03	31	0.0450	0.0043	122.9	12.1	10.6	1.0	0	0.2	H
452	3	01 36 20.8	-25 05 55	51	0.0242	0.0043	38.2	7.8	5.6	1.3	0	24.2	H

(1h 35m)

I 863

(1h 35m)



FIELD CENTER: $01^{\text{h}}35^{\text{m}}27.0^{\text{s}}$ $-05^{\circ}14'47''$ (B1950)
 $01^{\text{h}}37^{\text{m}}58.3^{\text{s}}$ $-04^{\circ}59'33''$ (J2000)
 $l: 151.60$ $b: -65.24$

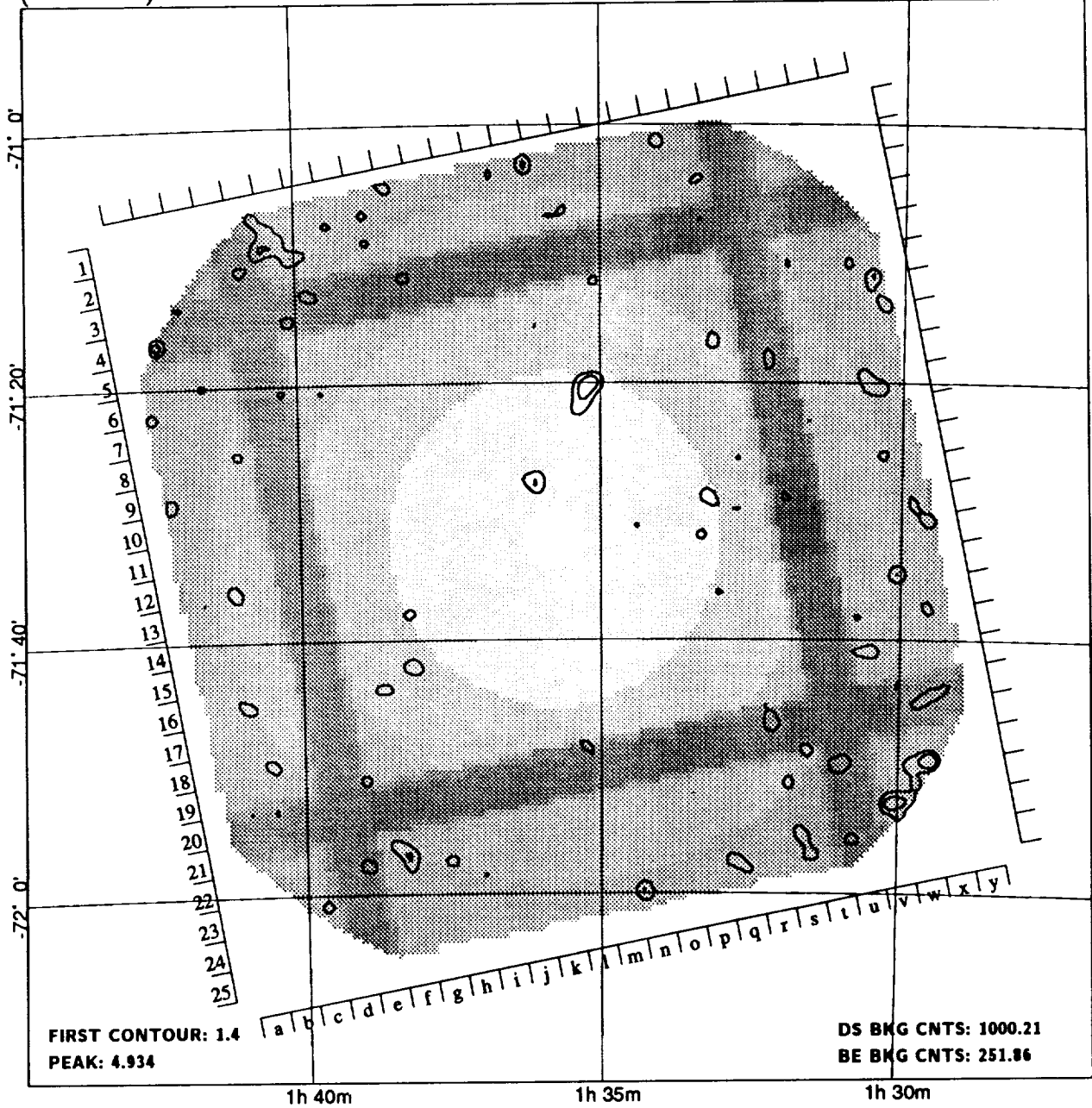
DATE: 1979/202 - 1979/202
 LIVETIME: 1673.7s
 ROLL ANGLE: -70.1°

NH: $3.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(1h 35m)

I 615

(1h 35m)



SMC SURVEY

FIELD CENTER: $01^h 35^m 42.5^s$ $-71^\circ 32' 37''$ (B1950)
 $01^h 36^m 55.2^s$ $-71^\circ 17' 21''$ (J2000)
 $l: 297.77$ $b: -45.38$

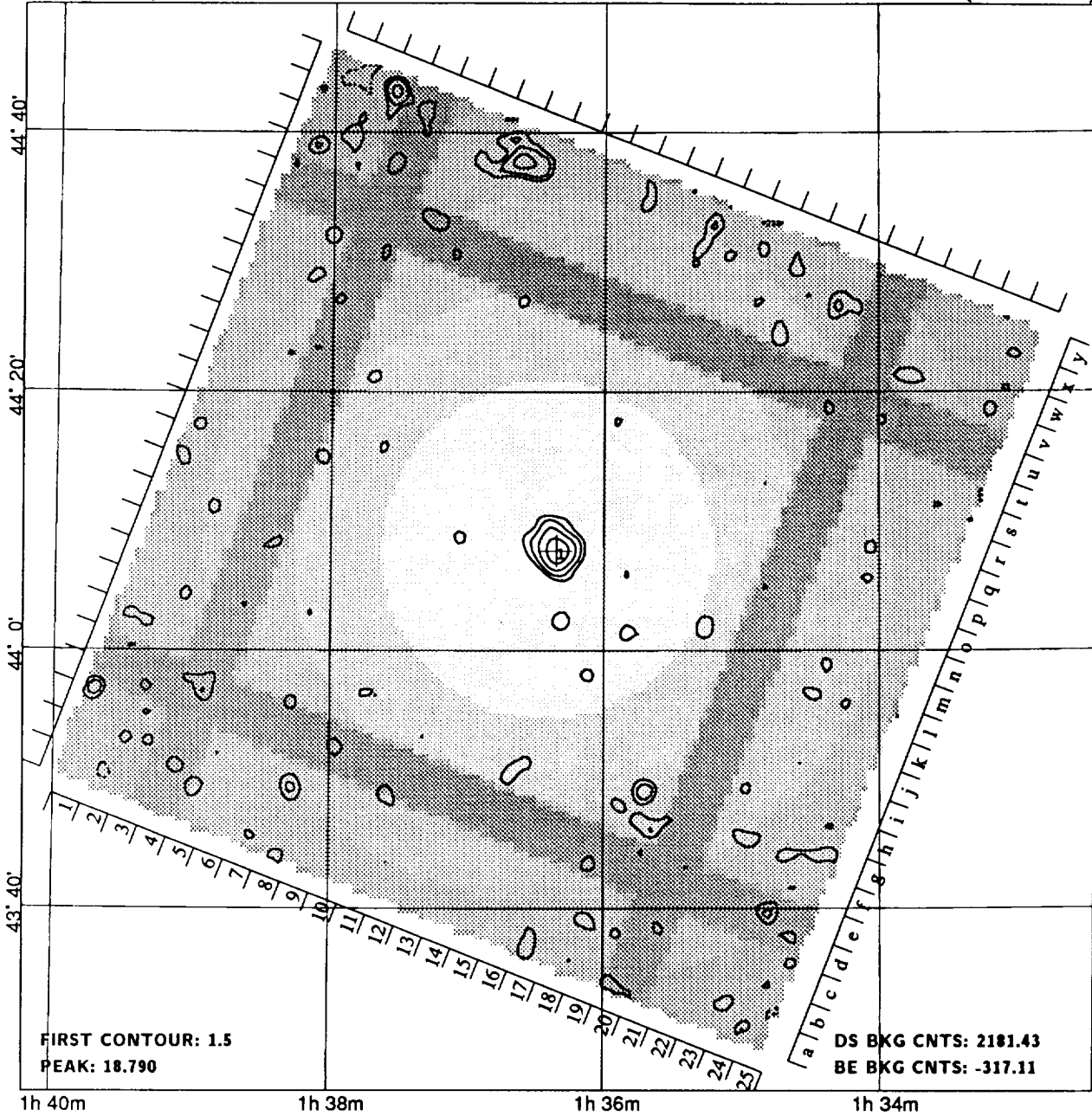
DATE: 1979/118 - 1979/118
LIVETIME: 010.5s
ROLL ANGLE: -10.9°

NH: $3.4E+20$
REF/ID: !
FIELD FLAGS:

(1h 36m)

I 4941

(1h 36m)



SELECTED SINGLE STARS: CHI AND (HD 10072)

FIELD CENTER: 01^h36^m20.4^s 44°07'56" (B1950)
 01^h39^m21.1^s 44°23'08" (J2000)
 l : 131.89 b : -17.65

DATE: 1980/207 - 1980/207
 LIVETIME: 1767.7s
 ROLL ANGLE: -68.8°

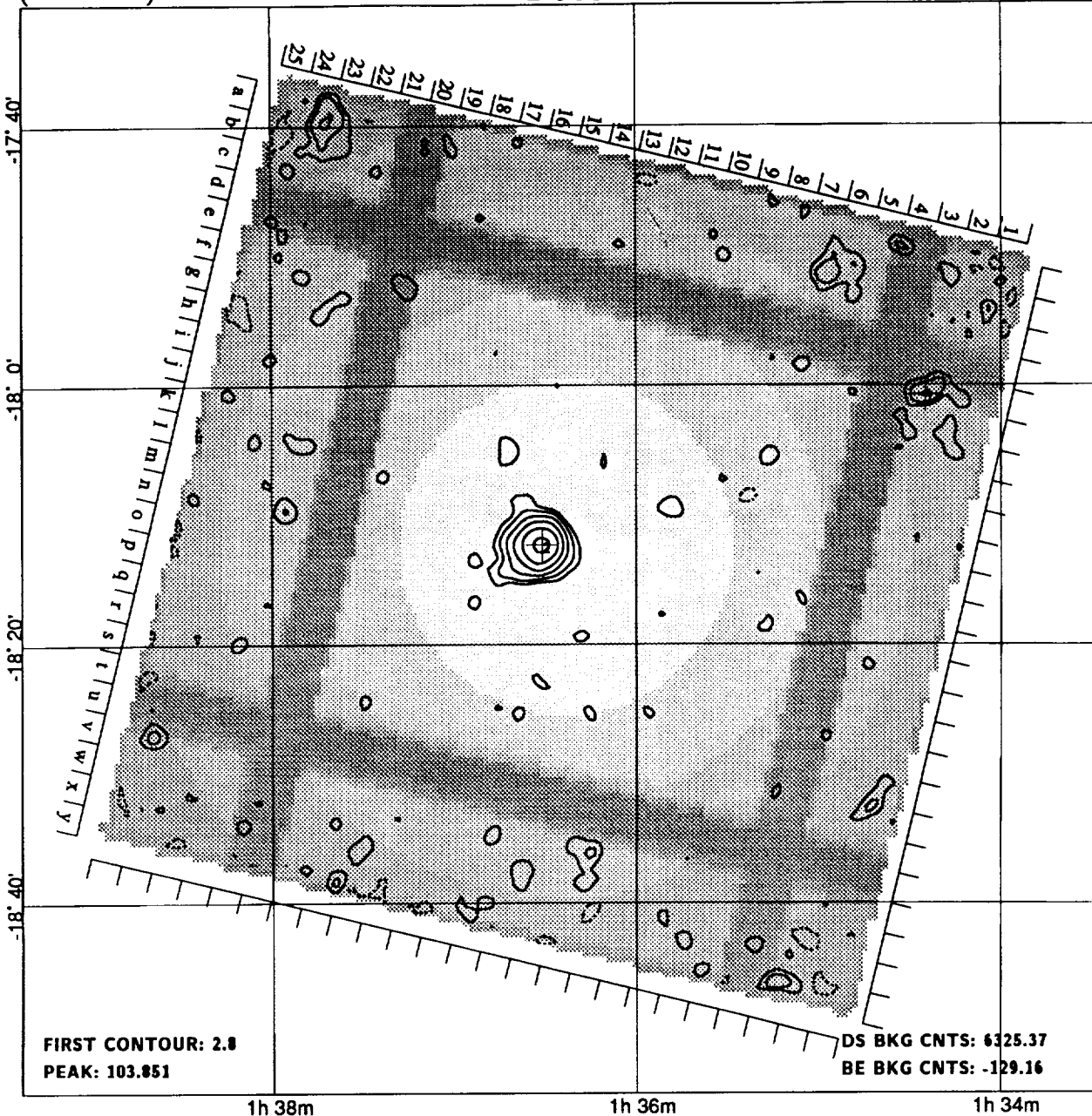
NH: 8.5E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
453	1	01 36 20.9	44 07 40	32	0.0628	0.0071	82.6	4.4	8.9	1.2	0	0.2	H

(1h 36m)

I 905

(1h 36m)



UV CETI (GLS65B) STELLAR OBSERVATIONS, VARIABLE STARS

FIELD CENTER: $01^{\text{h}}36^{\text{m}}25.0^{\text{s}}$ $-18^{\circ}12'41''$ (B1950)
 $01^{\text{h}}38^{\text{m}}49.7^{\text{s}}$ $-17^{\circ}57'28''$ (J2000)
 $l: 175.38$ $b: -75.74$

DATE: 1978/357 - 1980/ 21
 LIVETIME: 5125.6s
 ROLL ANGLE: 103.7°

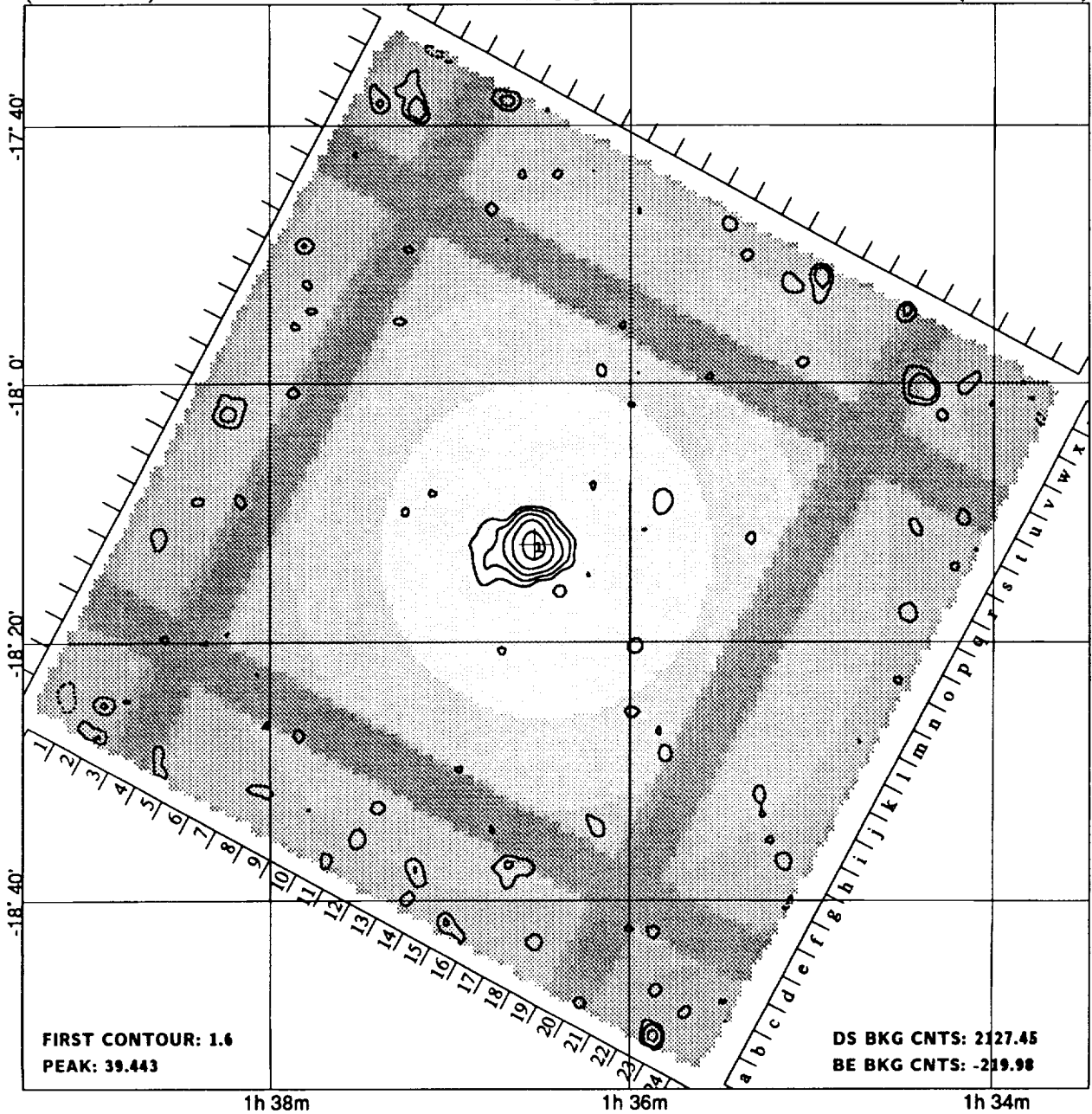
NH: $1.4\text{E}+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID FLG
441	1	01 34 24.8	-18 00 44	56	*0.0117	0.0030	20.6	7.4	3.9	1.1	1106	30.8		
455	2	01 36 31.1	-18 12 17	31	0.1239	0.0058	468.9	15.1	21.3	1.4	0	1.5	AH	S

(1h 36m)

I 906

(1h 36m)



UV CETI (GLS65B) STELLAR OBSERVATIONS, VARIABLE STARS

FIELD CENTER: $01^h 36^m 25.0^s -18^\circ 12' 41''$ (B1950)
 $01^h 38^m 49.7^s -17^\circ 57' 28''$ (J2000)
 $l: 175.38 \quad b: -75.74$

DATE: 1979/178 - 1979/178
 LIVETIME: 1723.9s
 ROLL ANGLE: -61.8°

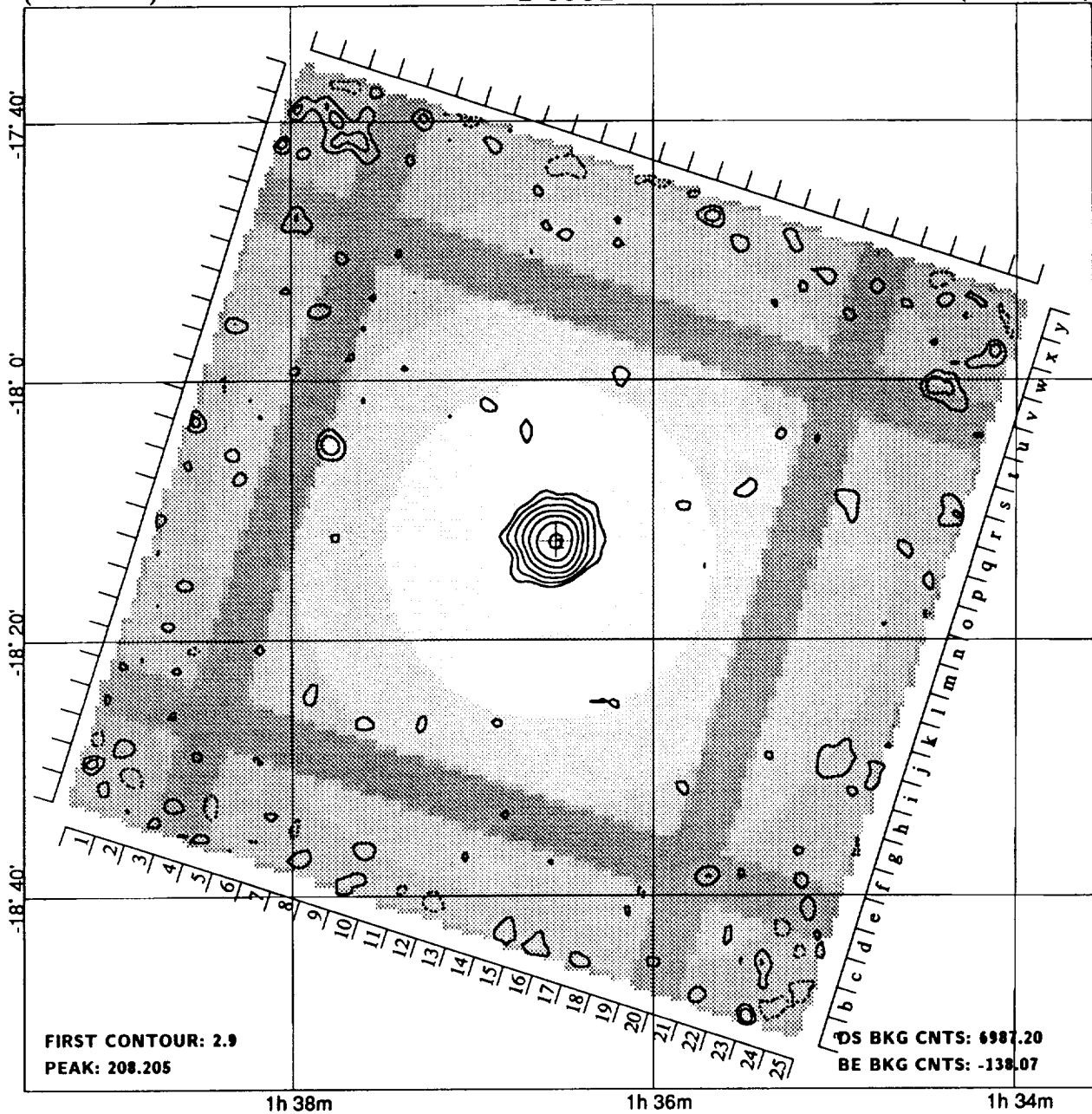
NH: $1.4E+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
455	1	01 36 31.9	-18 12 27	31	0.132	0.010	169.7	4.3	12.9	1.7	0	1.8	AH S

(1h 36m)

I 6952

(1h 36m)



UV CETI, STELLAR X-RAY VARIABILITY STUDIES

FIELD CENTER: $01^{\text{h}}36^{\text{m}}31.2^{\text{s}}$ $-18^{\circ}12'58''$ (B1950)
 $01^{\text{h}}38^{\text{m}}55.9^{\text{s}}$ $-17^{\circ}57'46''$ (J2000)
 $l: 175.47$ $b: -75.72$

DATE: 1980/203 - 1980/203
 LIVETIME: 5661.9s
 ROLL ANGLE: -72.3°

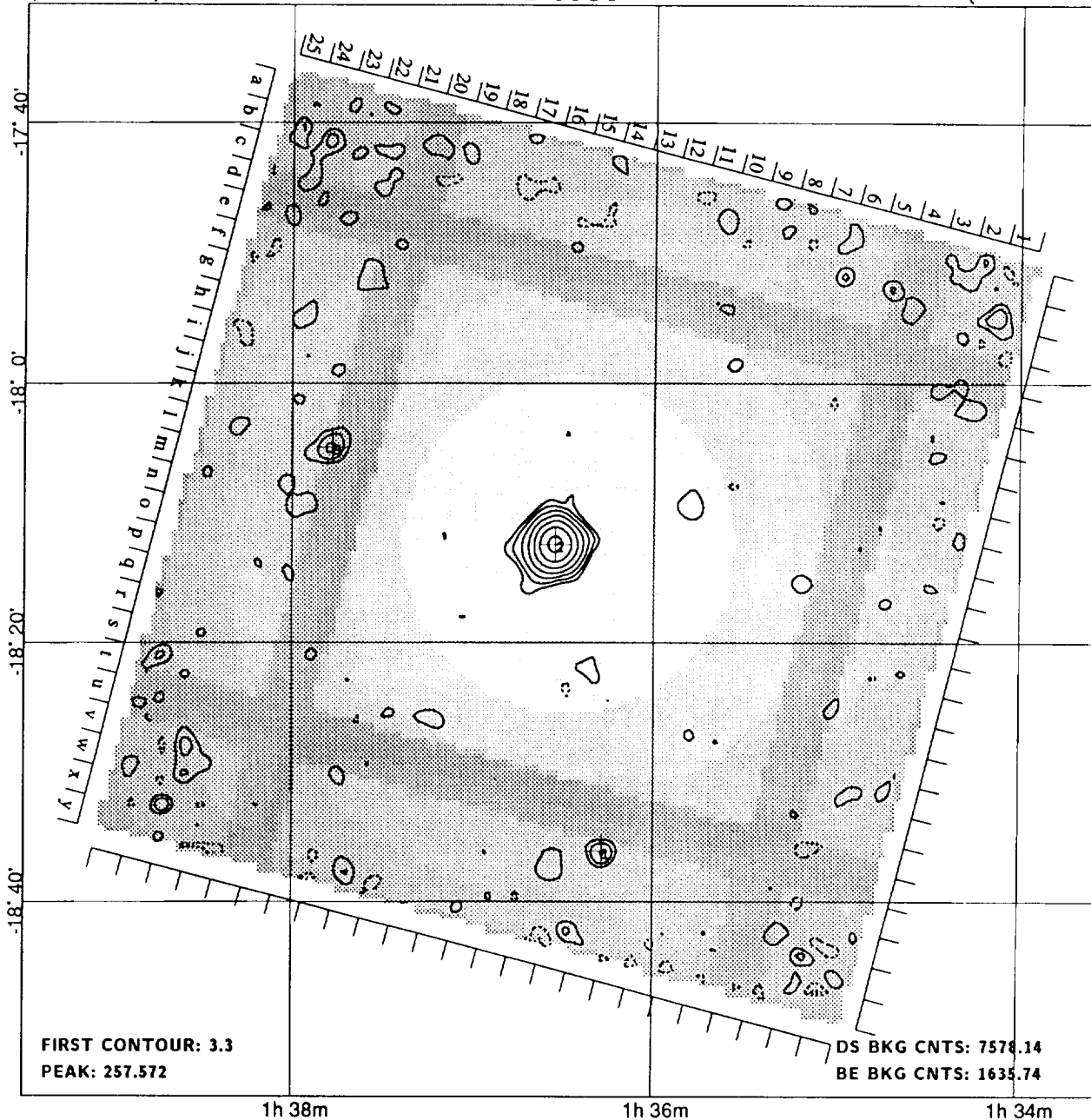
NH: $1.4\text{E}+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
455	1	01 36 32.4	-18 12 21	31	0.2384	0.0076	1002.6	15.4	31.4	1.5	0	0.8	AH S

(1h 36m)

I 6953

(1h 36m)



UV CETI, STELLAR X-RAY VARIABILITY STUDIES

FIELD CENTER: 01^h 36^m 31.2^s -18° 12' 58" (B1950)
 01^h 38^m 55.9^s -17° 57' 46" (J2000)
 l : 175.47 b : -75.72

DATE: 1981/ 25 - 1981/ 25
 LIVETIME: 6140.8s
 ROLL ANGLE: 104.5°

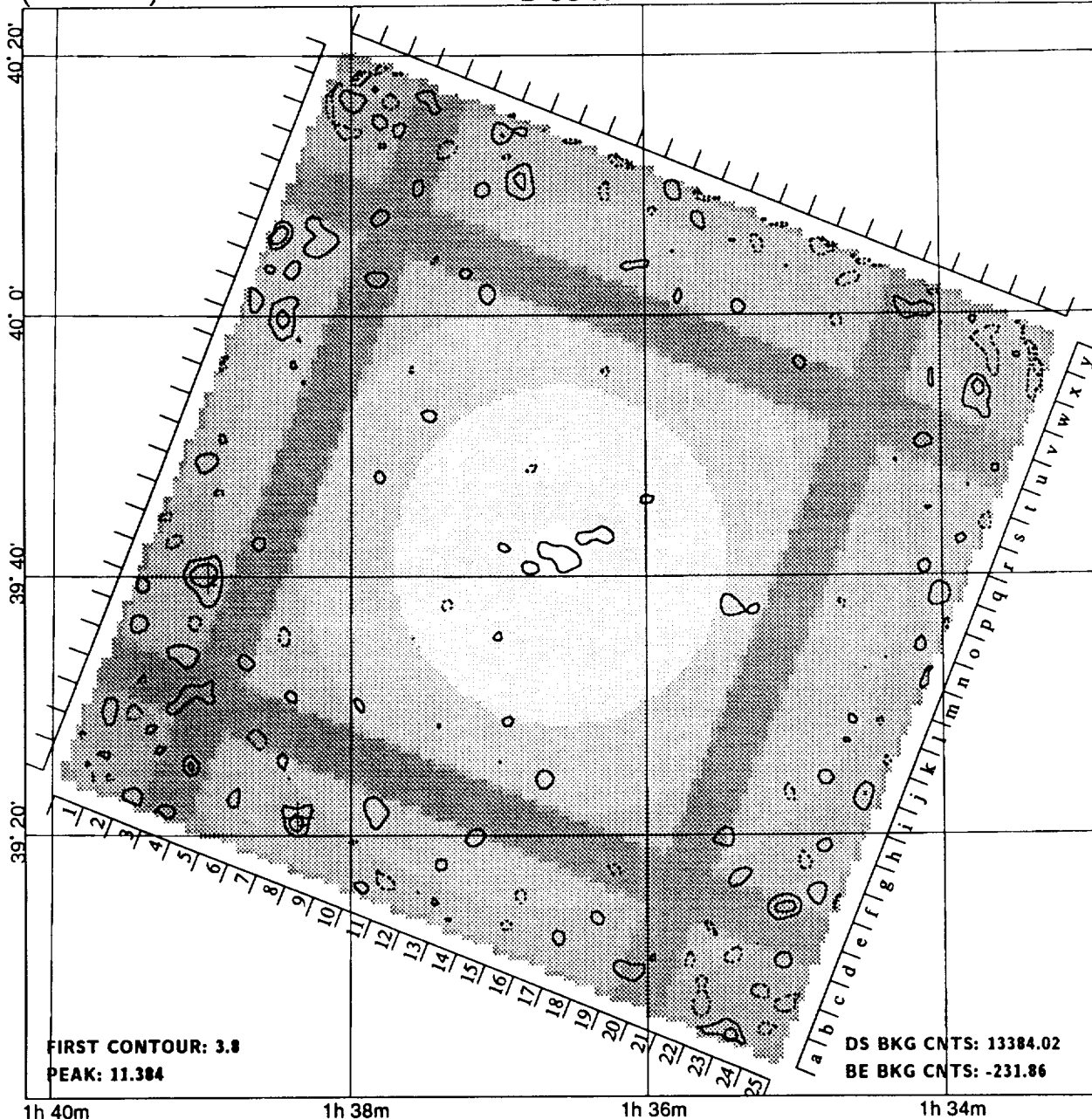
NH: 1.4E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
451	1	01 36 16.8	-18 36 03	51	*0.0095	0.0022	26.3	12.7	4.2	0.7	602	23.3	H
455	2	01 36 32.6	-18 12 26	31	0.2365	0.0073	1080.0	25.0	32.5	1.3	0	0.6	AH S
459	3	01 37 46.6	-18 04 55	51	*0.0107	0.0022	33.4	12.6	4.9	0.9	906	19.8	H

(1h 36m)

I 8347

(1h 36m)



FIRST CONTOUR: 3.8
PEAK: 11.384

DS BKG CNTS: 13384.02
BE BKG CNTS: -231.86

GIANT RADIO GALAXY 4C 39.04

FIELD CENTER: 01^h36^m33.6^s 39°41'51" (B1950)
01^h39^m30.5^s 39°57'03" (J2000)
ℓ: 132.84 b: -21.99

DATE: 1980/207 - 1980/207
LIVETIME: 10845.4s
ROLL ANGLE: -68.4°

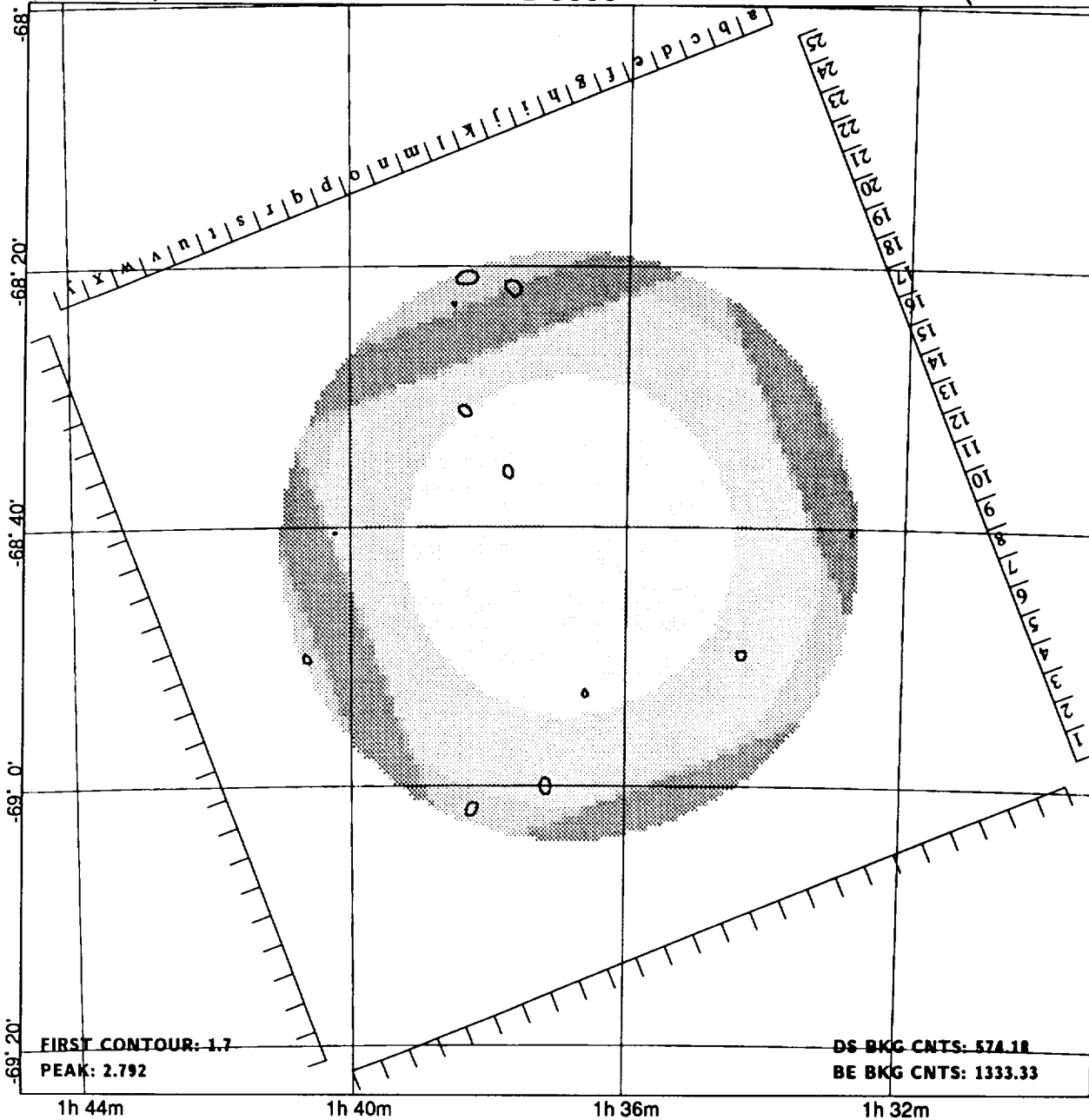
NH: 6.1E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
463	1	01 38 21.5	39 21 22	62	0.0058 0.0016	23.5	18.5	3.6	0.6	0	29.2	
466	2	01 38 57.8	39 39 56	60	0.0069 0.0017	29.4	20.6	4.2	1.1	200	27.6	H

(1h 37m)

I 3808

(1h 37m)



H0137-68, HIGH LATITUDE SOFT SOURCE

FIELD CENTER: $01^h 37^m 00.0^s$ $-68^\circ 41' 59''$ (B1950)
 $01^h 38^m 23.3^s$ $-68^\circ 26' 46''$ (J2000)
 $l: 296.51$ $b: -48.09$

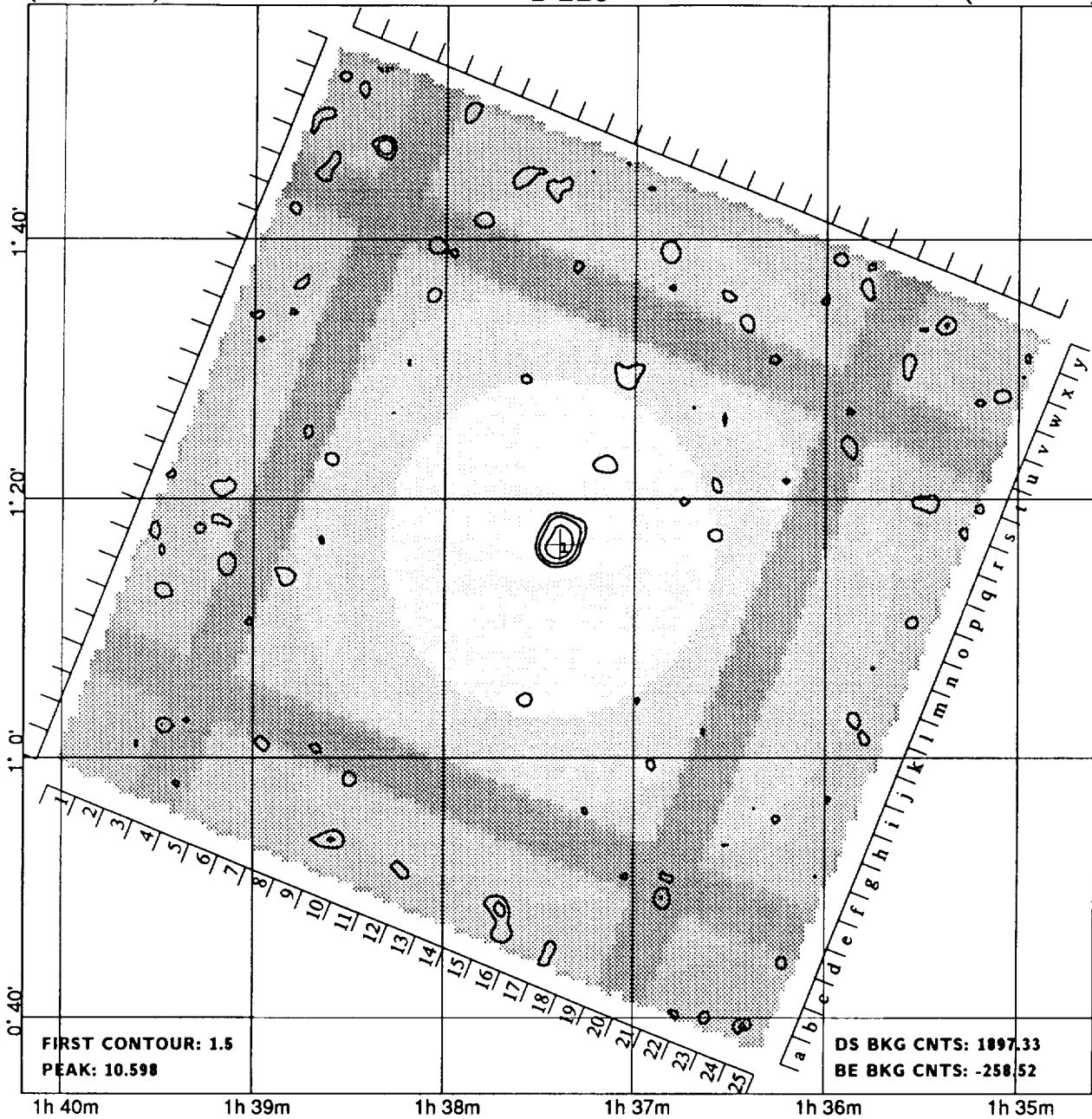
DATE: 1979/316 - 1979/316
 LIVETIME: 465.3s
 ROLL ANGLE: 158.3°

NH: $2.7E+20$
 REF/ID:
 FIELD FLAGS: L

(1h 37m)

I 228

(1h 37m)



C N PHL 1093 CLUSTER EVOLUTION

FIELD CENTER: $01^{\text{h}}37^{\text{m}}24.0^{\text{s}}$ $01^{\circ}15'59''$ (B1950)
 $01^{\text{h}}39^{\text{m}}58.4^{\text{s}}$ $01^{\circ}31'10''$ (J2000)
 $l: 147.05$ $b: -59.06$

DATE: 1979/193 - 1979/193
 LIVETIME: 1537.5s
 ROLL ANGLE: -68.1°

NH: $3.0E+20$
 REF/ID:
 FIELD FLAGS:

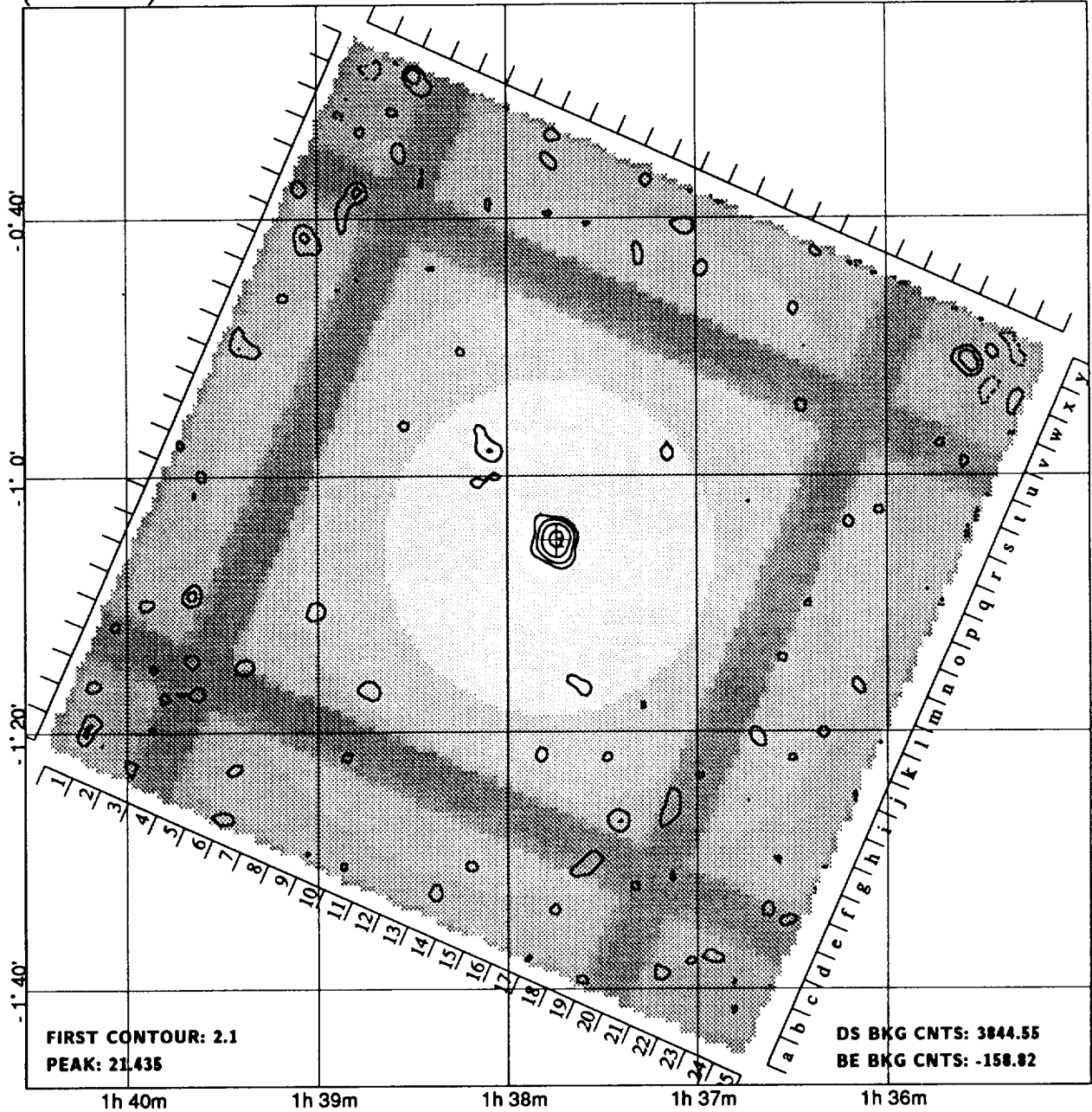
CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
457	1	01 37 23.5	01 16 29	35	0.0456	0.0065	52.1	3.9	7.0	1.1	0	0.7	H

C-4

(1h 37m)

I 4251

(1h 37m)



OPTICALLY BRIGHT, RADIO-QUIET QSO NAB

FIELD CENTER: 01^h37^m44.0^s -01°05'29" (B1950)
 01^h40^m17.3^s -00°50'19" (J2000)
 $l: 148.99$ $b: -61.21$

DATE: 1979/182 - 1979/183
 LIVETIME: 3115.3s
 ROLL ANGLE: -66.1°

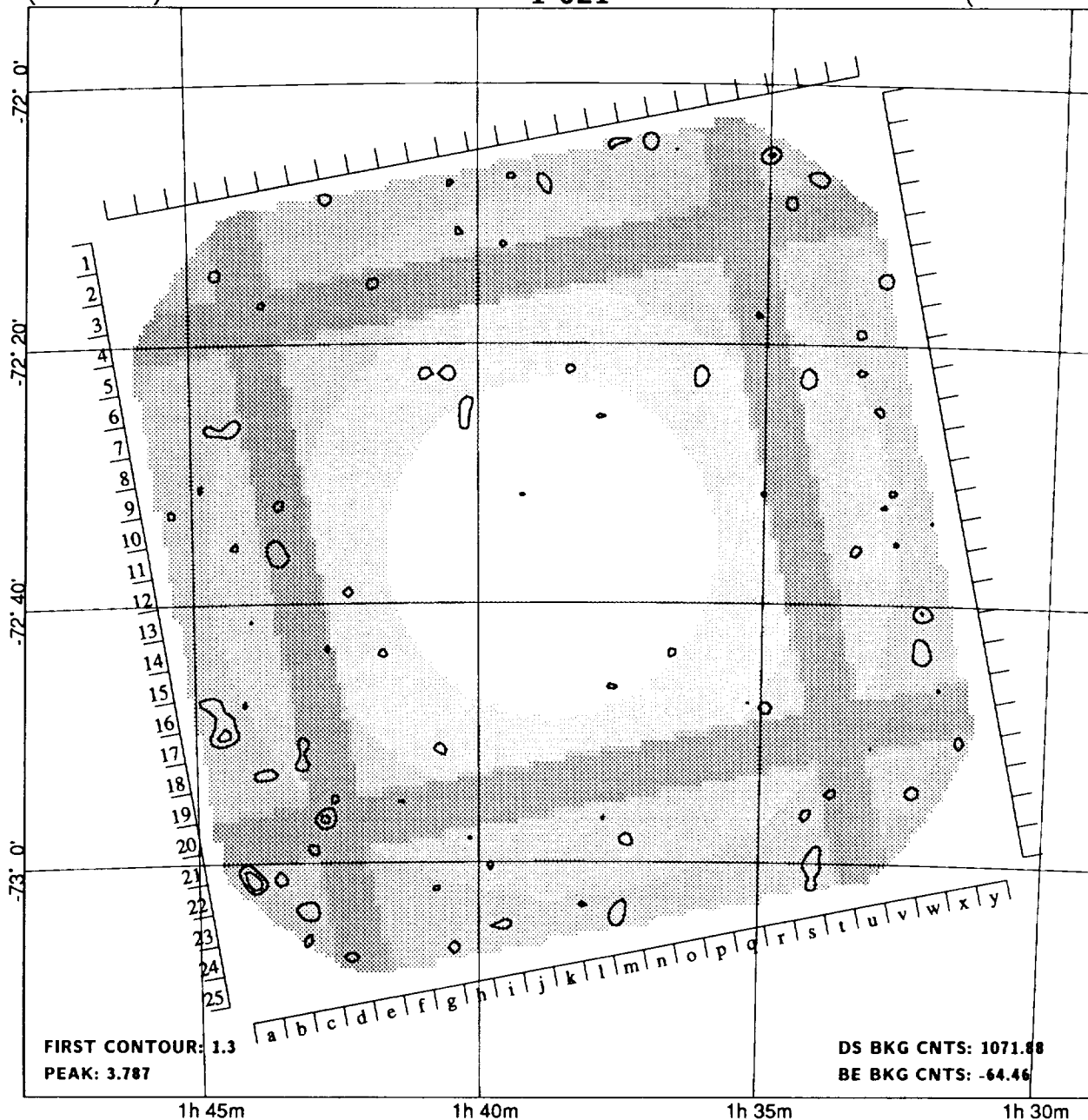
NH: 3.0E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
458	1	01 37 44.6	-01 05 03	31	0.0385	0.0043	89.4	8.6	9.0	1.1	0	0.7	H	Q

(1h 38m)

I 621

(1h 38m)



1h 45m

1h 40m

1h 35m

1h 30m

SMC SURVEY

FIELD CENTER: $01^{\text{h}}38^{\text{m}}33.3^{\text{s}}$ $-72^{\circ}36'15''$ (B1950)
 $01^{\text{h}}39^{\text{m}}38.4^{\text{s}}$ $-72^{\circ}21'05''$ (J2000)
 $l: 297.86$ $b: -44.30$

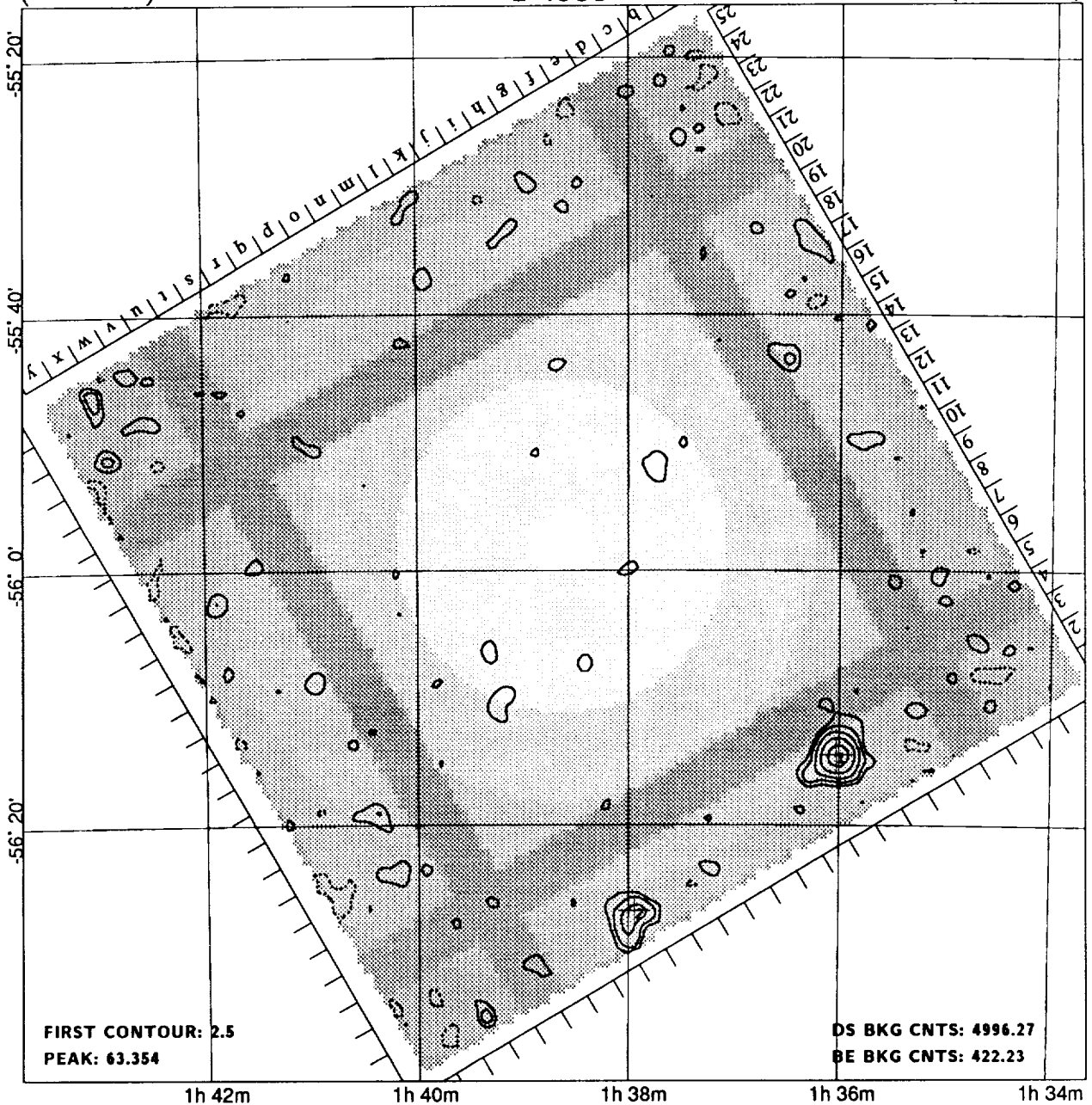
DATE: 1979/118 - 1979/118
LIVETIME: 868.6s
ROLL ANGLE: -10.7°

NH: $4.7\text{E}+20$
REF/ID:
FIELD FLAGS:

(1h 38m)

I 4935

(1h 38m)



BPM16571: CORONAL EMISSION FROM HE-RICH WHITE DWARFS

FIELD CENTER: $01^h 38^m 42.0^s$ $-55^\circ 57' 59''$ (B1950)
 $01^h 40^m 34.3^s$ $-55^\circ 42' 50''$ (J2000)
 $l: 289.03$ $b: -60.07$

DATE: 1979/325 - 1979/325
 LIVETIME: 4048.6s
 ROLL ANGLE: 149.8°

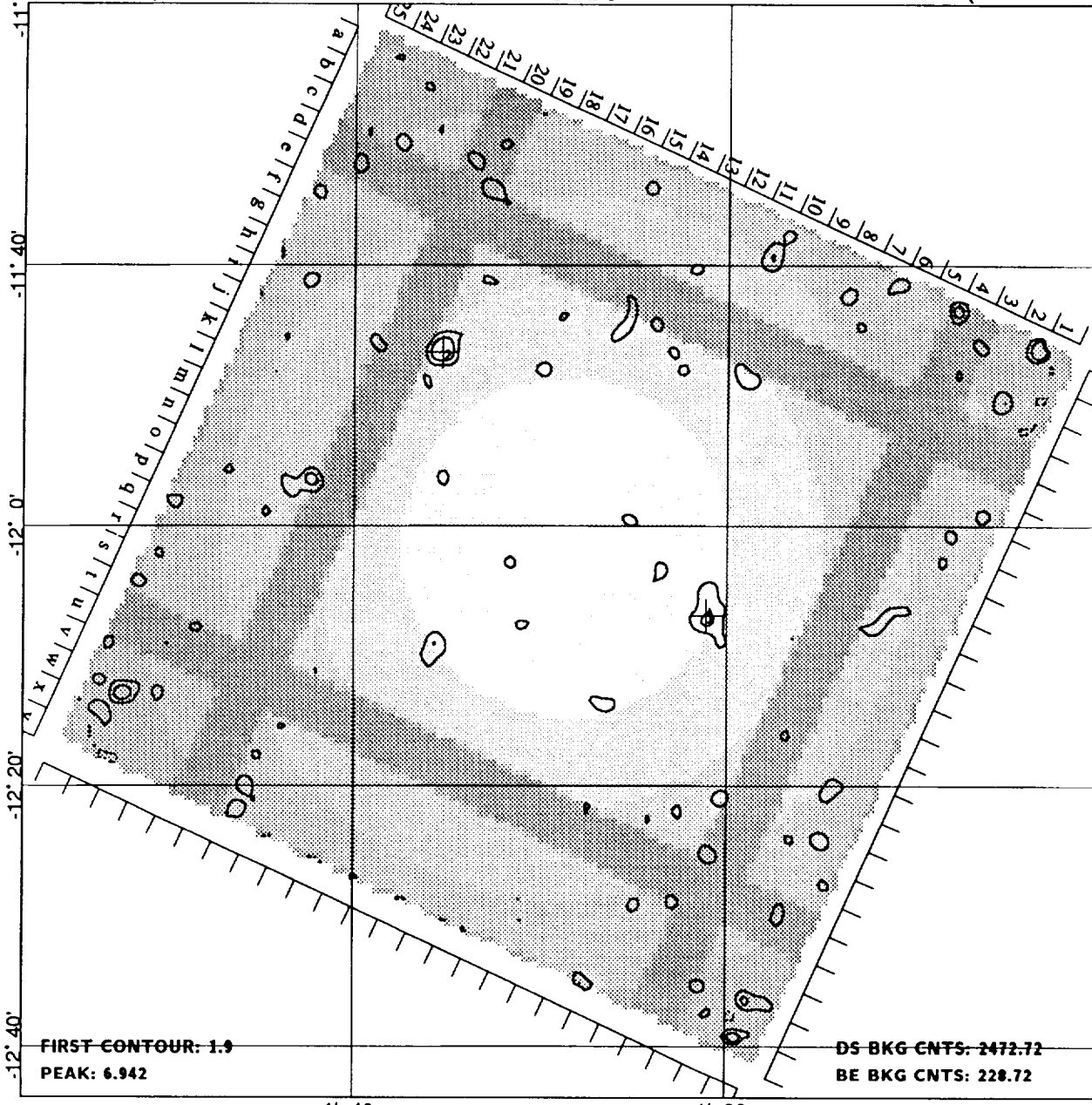
NH: $2.9E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
450	1	01 36 01.5	-56 14 28	48	0.0825	0.0074	131.9	8.1	11.2	1.2	200	28.0	H
460	2	01 37 56.3	-56 26 41	51	0.0197	0.0041	29.1	7.9	4.8	1.4	200	30.3	H S

(1h 38m)

I 9113

(1h 38m)



1h 40m

1h 38m

CLUSTER OF GALAXY SURVEY: 239d

FIELD CENTER: $01^{\text{h}}38^{\text{m}}54.0^{\text{s}}$ $-12^{\circ}01'59''$ (B1950)
 $01^{\text{h}}41^{\text{m}}21.8^{\text{s}}$ $-11^{\circ}46'51''$ (J2000)
 $l: 162.71$ $b: -70.69$

DATE: 1981/ 8 - 1981/ 8
 LIVETIME: 2003.7s
 ROLL ANGLE: 114.6°

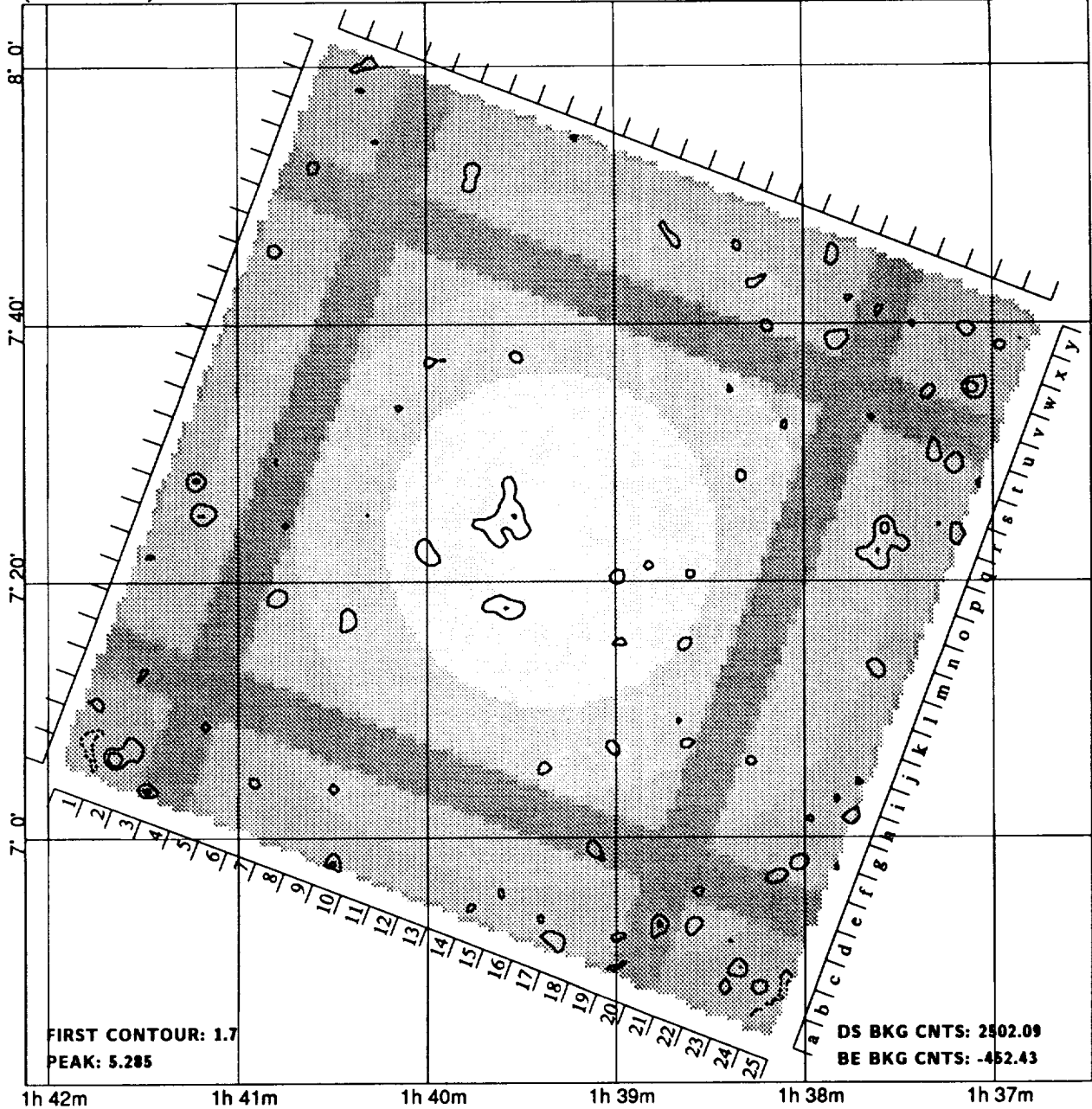
NH: $1.9\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
461	1	01 38 06.7	-12 06 51	47	0.0134	0.0038	17.1	5.9	3.6	1.1	0	12.0	H	CLG
468	2	01 39 31.7	-11 46 37	54	*0.0160	0.0043	17.4	4.6	3.7	0.8	502	17.9	H	

(1h 39m)

I 189

(1h 39m)



A240 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: $01^{\text{h}}39^{\text{m}}18.0^{\text{s}}$ $07^{\circ}22'58''$ (B1950)
 $01^{\text{h}}41^{\text{m}}55.5^{\text{s}}$ $07^{\circ}38'06''$ (J2000)
 $l: 144.10$ $b: -53.15$

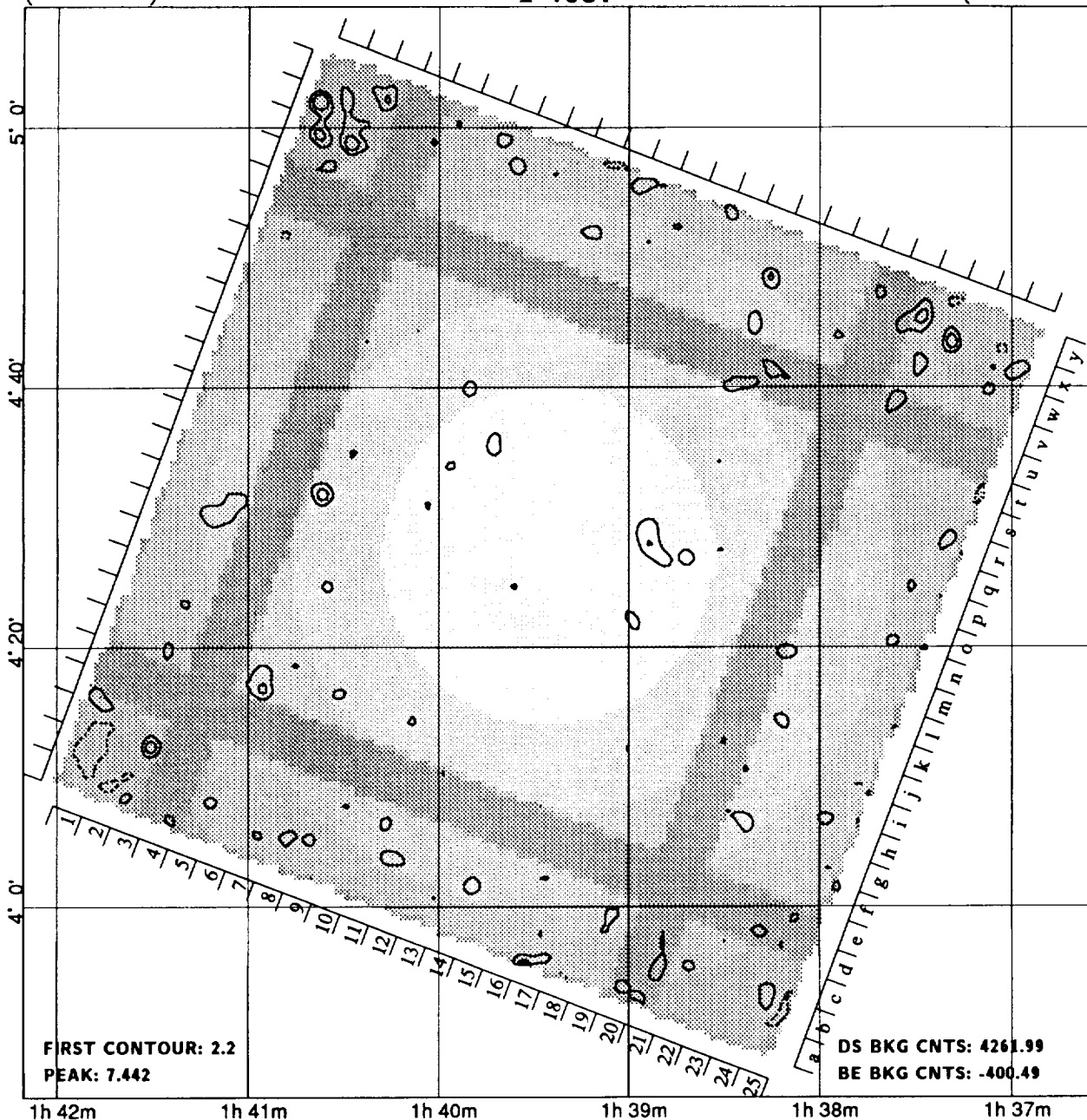
DATE: 1979/206 - 1979/206
 LIVETIME: 2027.5s
 ROLL ANGLE: -69.2°

NH: $4.3E+20$
 REF/ID:
 FIELD FLAGS:

(1h 39m)

I 4057

(1h 39m)



PHL 1114, RADIO QUIET QUASAR WITH CONTINUOUS SPECTRUM

FIELD CENTER: 01^h39^m22.1^s 04°27'17" (B1950)
 01^h41^m58.1^s 04°42'25" (J2000)
 l : 145.81 b : -55.90

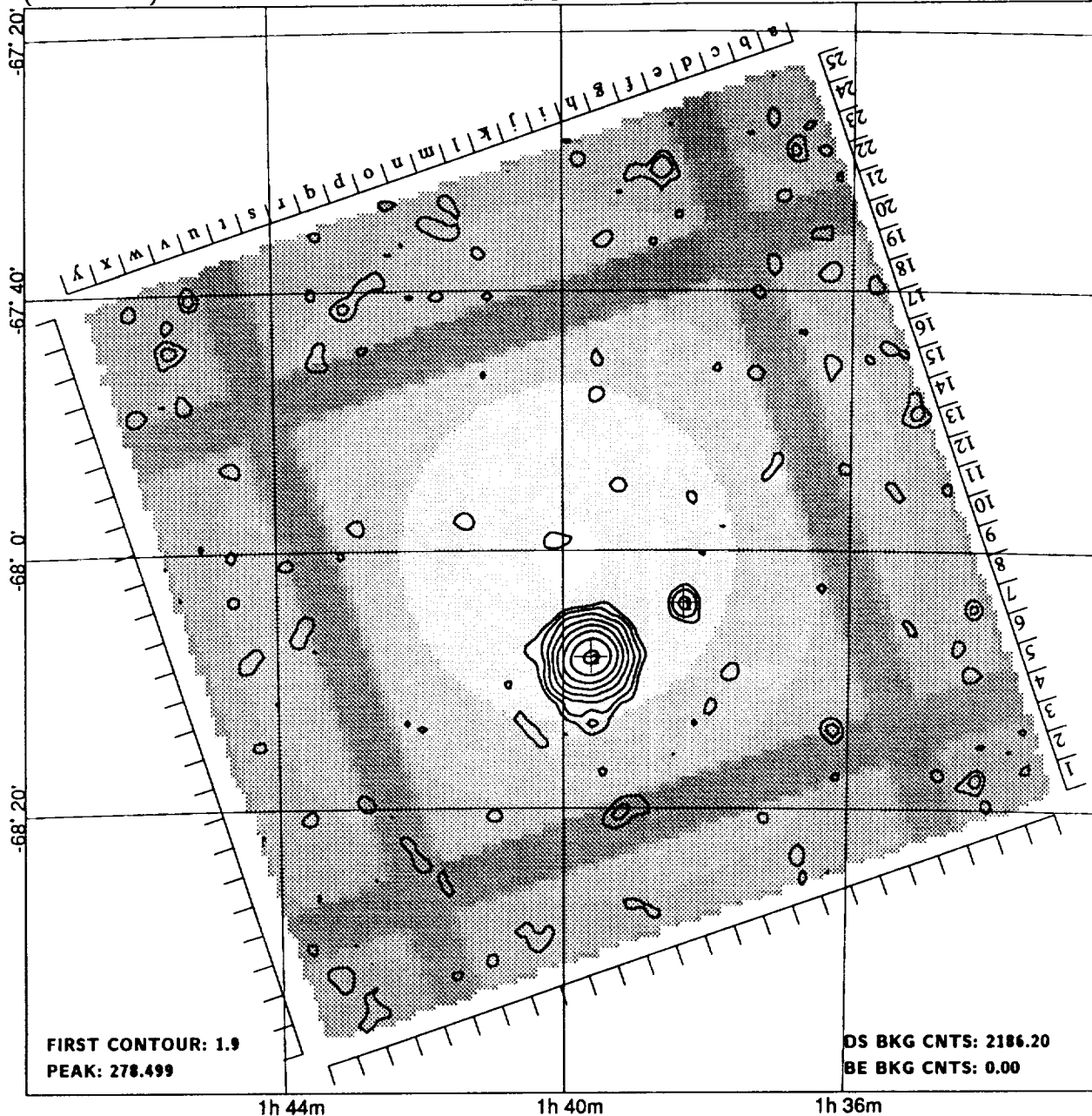
DATE: 1979/204 - 1979/204
 LIVETIME: 3453.6s
 ROLL ANGLE: -69.3°

NH: 3.4E+20
 REF/ID:
 FIELD FLAGS:

(1h 40m)

I 5247

(1h 40m)



H0 137-68, HIGH LATITUDE SOFT SOURCE

FIELD CENTER: $01^h 40^m 00.0''$ $-67^\circ 59' 59''$ (B1950)
 $01^h 41^m 23.8''$ $-67^\circ 44' 52''$ (J2000)
 $l: 295.81$ $b: -48.68$

DATE: 1979/324 - 1979/324
 LIVETIME: 1771.5s
 ROLL ANGLE: 161.4°

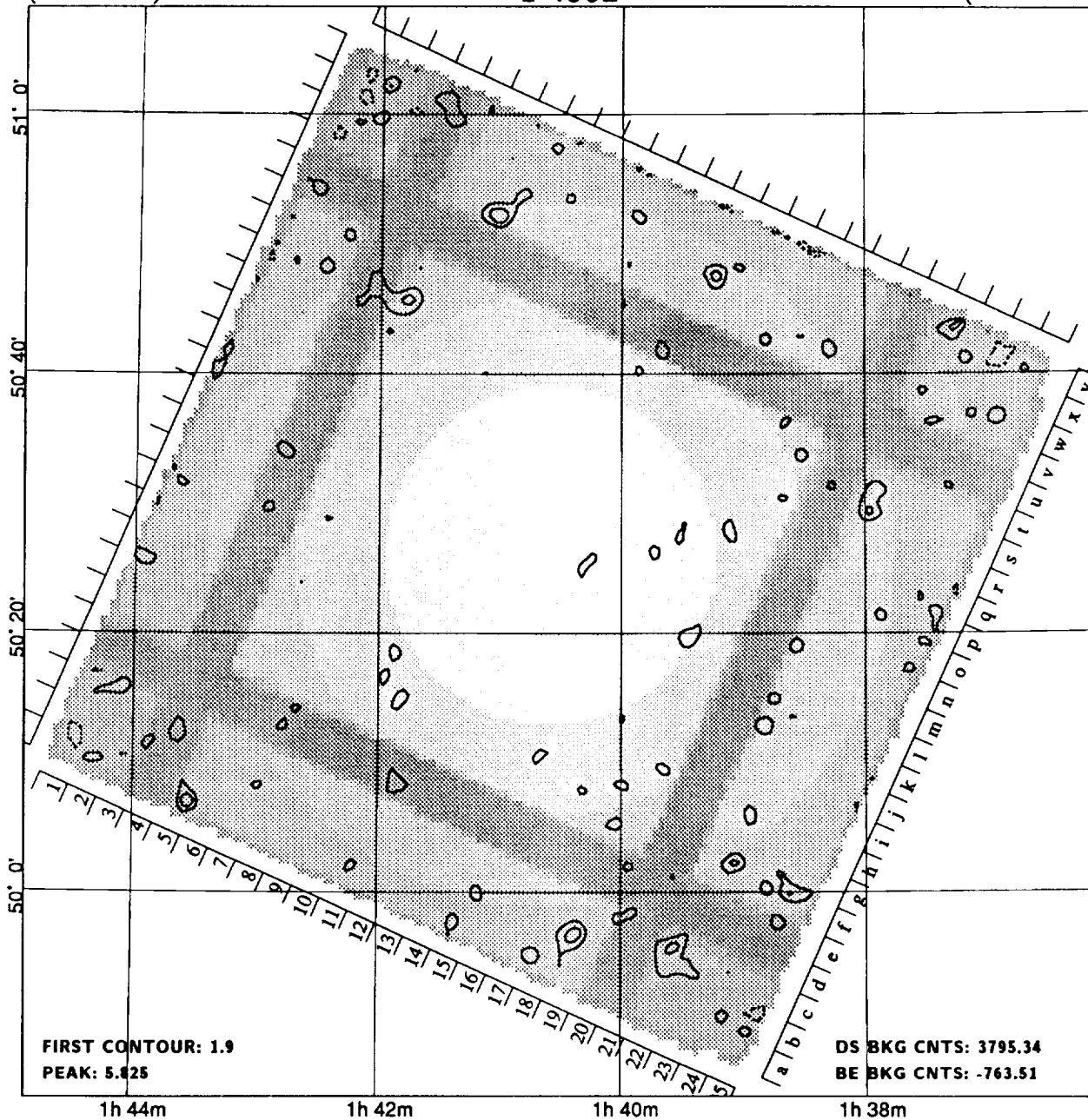
NH: $2.7E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm ''	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID FLG
462	1L	01 38 18.9	-68 04 04	42	0.0274	0.0056	32.3	2.7	4.7	0.8	0	10.3		
469	2L	01 39 36.6	-68 08 13	37	0.701	0.034	851.8	343.2	20.8	1.7	0	8.6		†

(1h 40m)

I 4302

(1h 40m)



PHI PER, SEARCH FOR WEAK OR BLANKETED XRAY BINARY SOURCE

FIELD CENTER: $01^{\text{h}}40^{\text{m}}31.0^{\text{s}}$ $50^{\circ}26'15''$ (B1950)
 $01^{\text{h}}43^{\text{m}}39.8^{\text{s}}$ $50^{\circ}41'20''$ (J2000)
 $l: 131.32$ $b: -11.33$

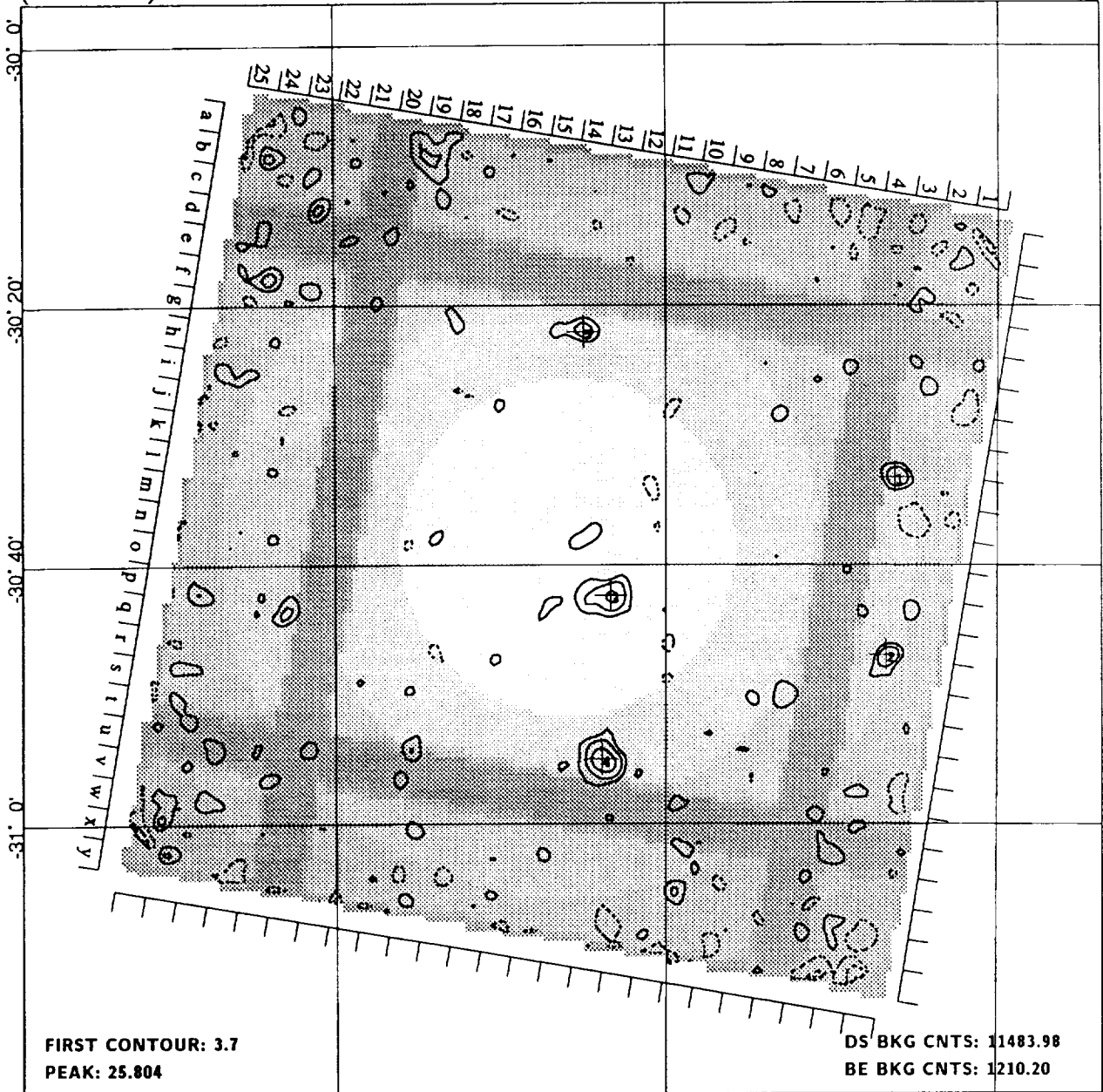
DATE: 1979/210 - 1979/213
 LIVETIME: 3075.5s
 ROLL ANGLE: -65.9°

NH: $1.6\text{E}+21$
 REF/ID:
 FIELD FLAGS:

(1h 40m)

I 3719

(1h 40m)



0140-306 ,QUASAR SURVEY

FIELD CENTER: $01^h 40^m 37.4^s$ $-30^\circ 38' 48''$ (B1950)
 $01^h 42^m 54.2^s$ $-30^\circ 23' 43''$ (J2000)
 $l: 232.13$ $b: -78.27$

DATE: 1981/ 26 - 1981/ 27
 LIVETIME: 9305.8s
 ROLL ANGLE: 99.6°

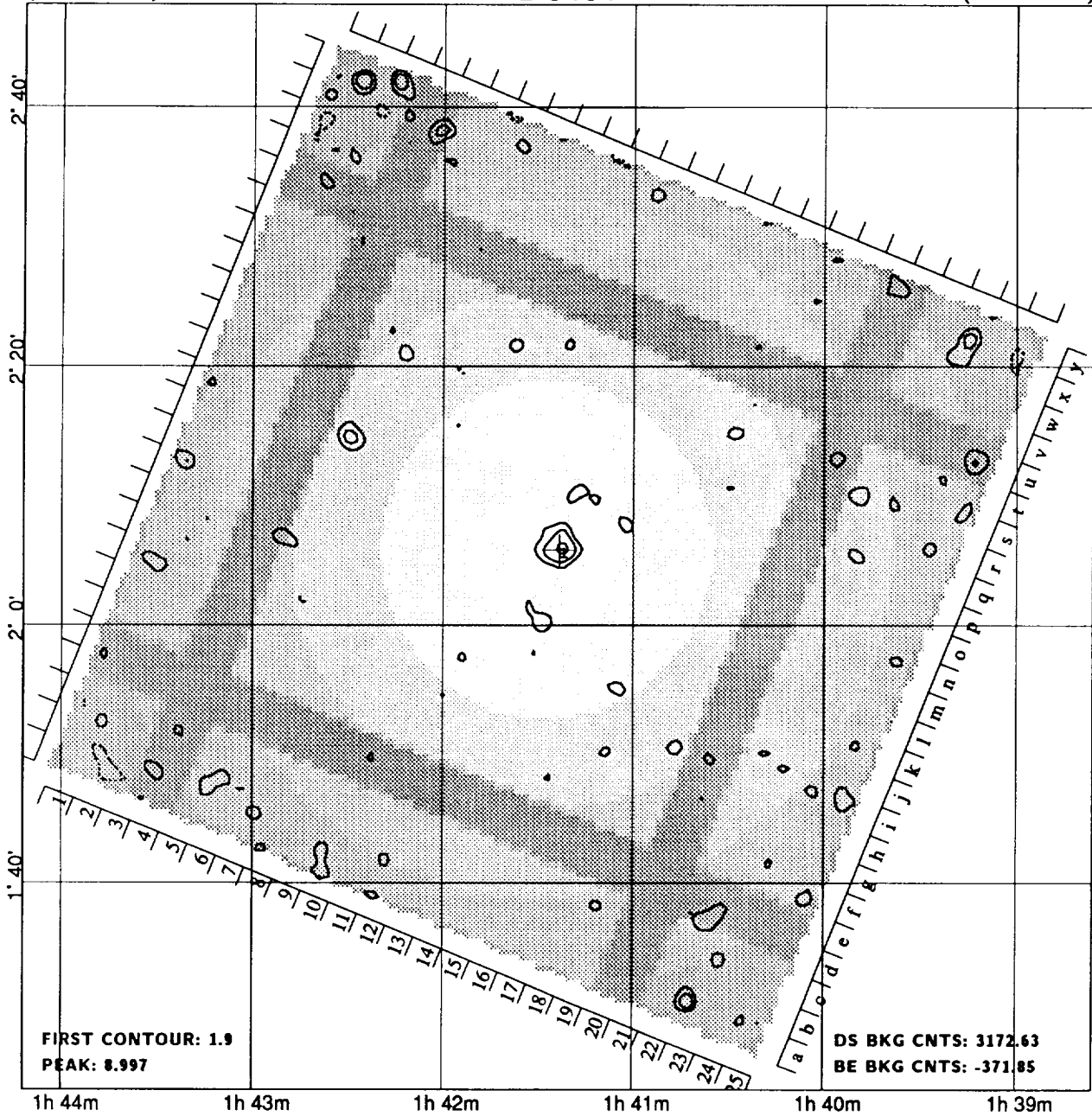
NH: $1.7E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
464	1	01 38 37.0	-30 33 16	53	*0.0062	0.0017	23.7	20.3	3.6	0.7	703	26.6	H	
465	2	01 38 40.1	-30 46 56	55	0.0065	0.0018	25.1	20.9	3.7	0.8	0	26.3	H	
470	3	01 40 20.0	-30 42 21	41	0.0093	0.0015	62.0	34.0	6.3	1.1	0	5.5	H	
471	4	01 40 23.2	-30 55 00	50	0.0136	0.0019	71.8	25.2	7.3	1.0	200	16.4	H	
472	5	01 40 29.8	-30 22 03	51	0.0052	0.0014	27.3	24.7	3.8	0.8	300	17.0	H	

(1h 41m)

I 3464

(1h 41m)



MKN 573, SEYFERT AND ACTIVE NUCLEI GALAXIES

FIELD CENTER: 01^h41^m24.0^s 02°05'59" (B1950)
 01^h43^m58.9^s 02°21'03" (J2000)
 l : 148.24 b : -57.92

DATE: 1979/192 - 1979/192
 LIVETIME: 2570.9s
 ROLL ANGLE: -68.0°

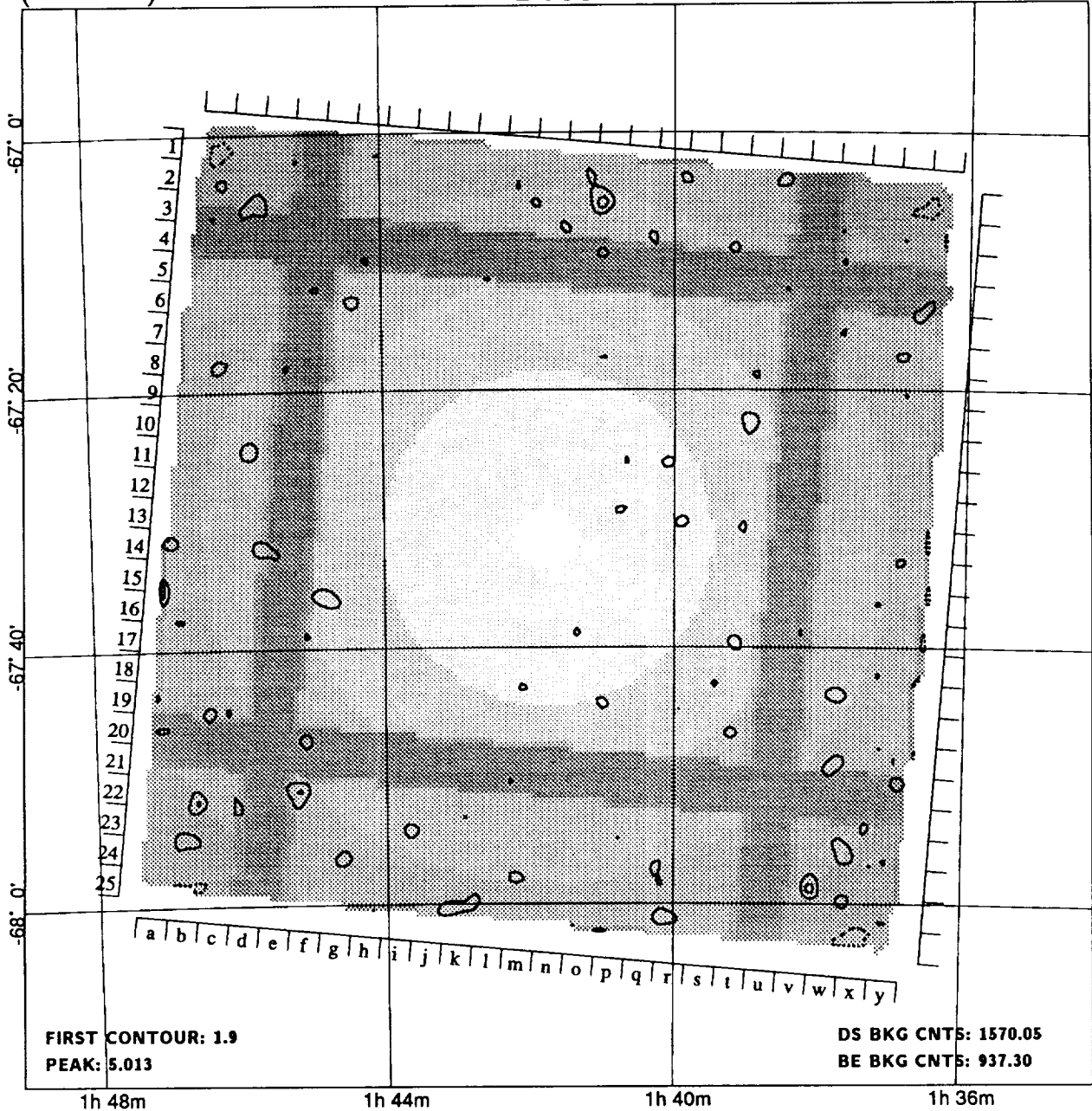
NH: 3.0E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC	ID
473	1	01 41 23.2	02 05 45	35	0.0183	0.0034	35.1	6.9	5.4	1.0	0	0.4	H	SY

(1h 41m)

I 7987

(1h 41m)



FIRST CONTOUR: 1.9
PEAK: 5.013

DS BKG CNTS: 1570.05
BE BKG CNTS: 937.30

LHS 145, HOT NEARBY WHITE DWARF

FIELD CENTER: $01^h 41^m 36.0^s$ $-67^\circ 32' 11''$ (B1950)
 $01^h 43^m 00.4^s$ $-67^\circ 17' 07''$ (J2000)
 $l: 295.37$ $b: -49.08$

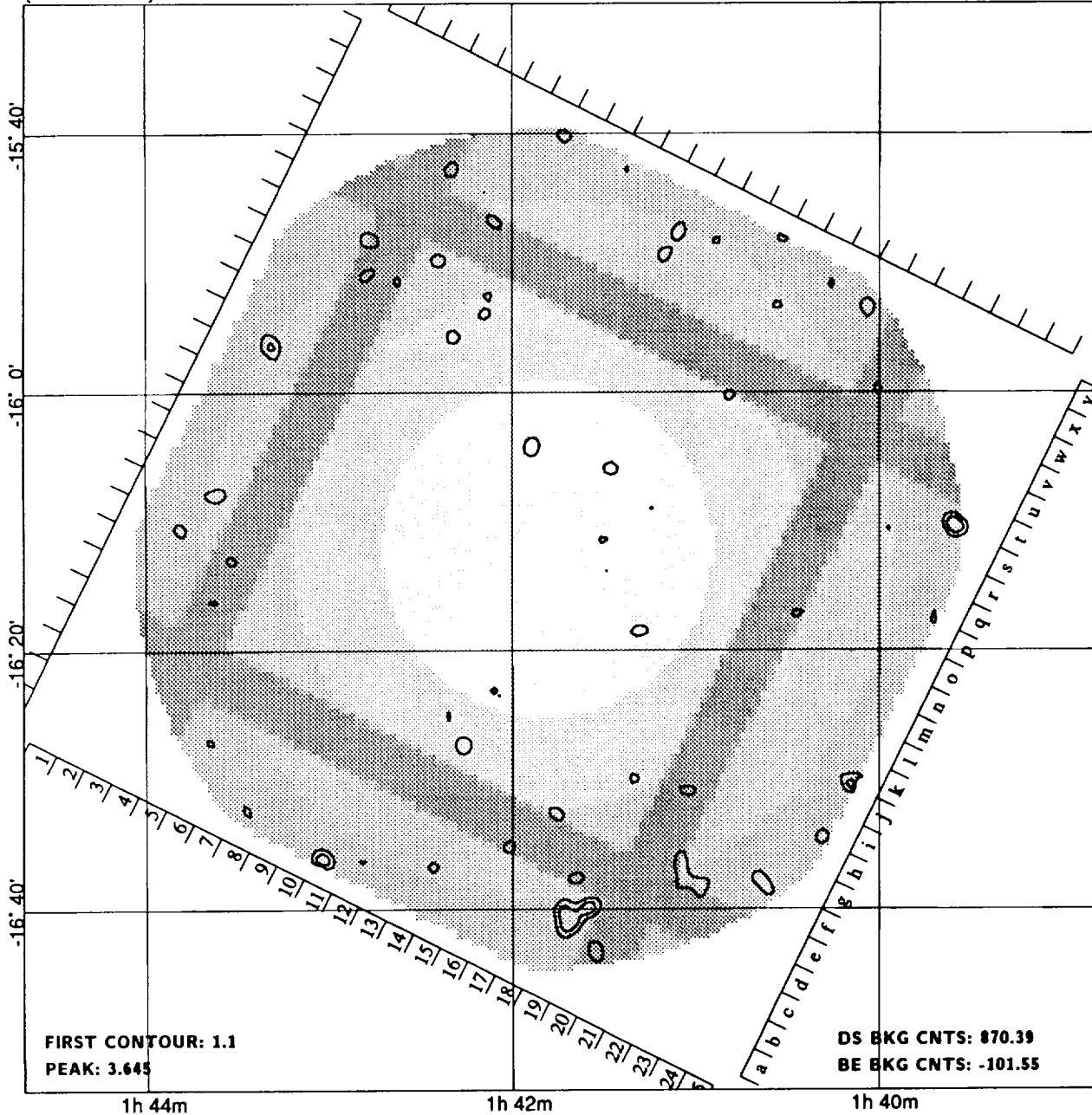
DATE: 1980/106 - 1980/106
LIVETIME: 1317.9s
ROLL ANGLE: 5.1°

NH: $2.7E+20$
REF/ID:
FIELD FLAGS:

(1h 41m)

I 3104

(1h 41m)



COHERENT SAMPLING OF NEARBY STARS: TAU CET

FIELD CENTER: $01^{\text{h}}41^{\text{m}}45.0^{\text{s}}$ $-16^{\circ}11'59''$ (B1950)
 $01^{\text{h}}44^{\text{m}}10.4^{\text{s}}$ $-15^{\circ}56'56''$ (J2000)
 $l: 173.19$ $b: -73.43$

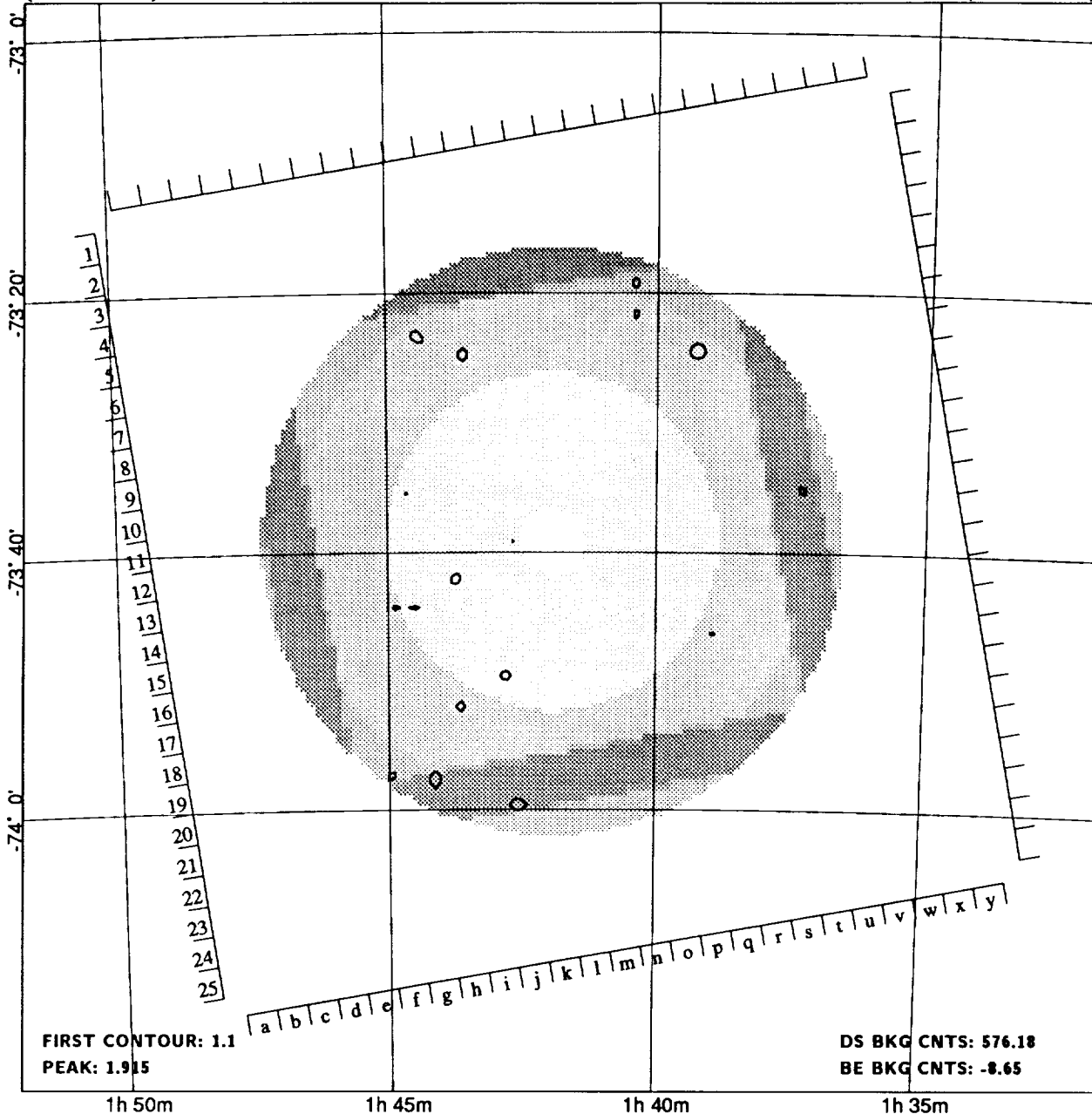
DATE: 1979/191 - 1979/191
 LIVETIME: 705.3s
 ROLL ANGLE: -63.5°

NH: $1.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(1h 41m)

I 626

(1h 41m)



SMC SURVEY

FIELD CENTER: $01^h 41^m 45.6^s$ $-73^\circ 39' 43''$ (B1950)
 $01^h 42^m 41.8^s$ $-73^\circ 24' 38''$ (J2000)
 $l: 297.95$ $b: -43.22$

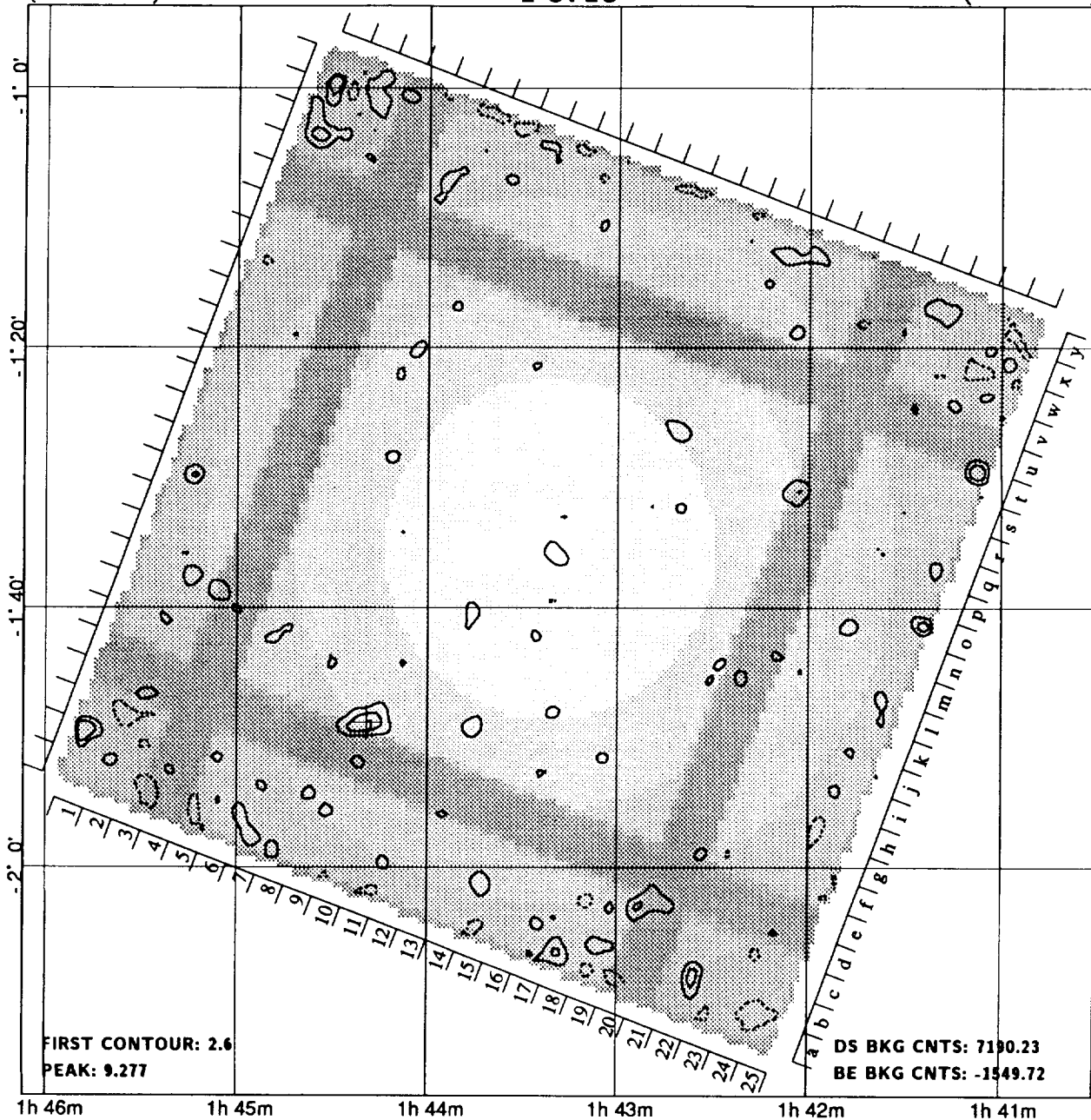
DATE: 1979/118 - 1979/118
 LIVETIME: 466.9s
 ROLL ANGLE: -9.8°

NH: $4.9E+20$
 REF/ID:
 FIELD FLAGS:

(1h 43m)

I 3718

(1h 43m)



0143-015 ,QUASAR SURVEY

FIELD CENTER: $01^h 43^m 19.0^s -01^\circ 35' 35''$ (B1950)
 $01^h 45^m 52.0^s -01^\circ 20' 36''$ (J2000)
 $l: 152.05 \quad b: -61.10$

DATE: 1979/201 - 1979/201
 LIVETIME: 5826.4s
 ROLL ANGLE: -69.4°

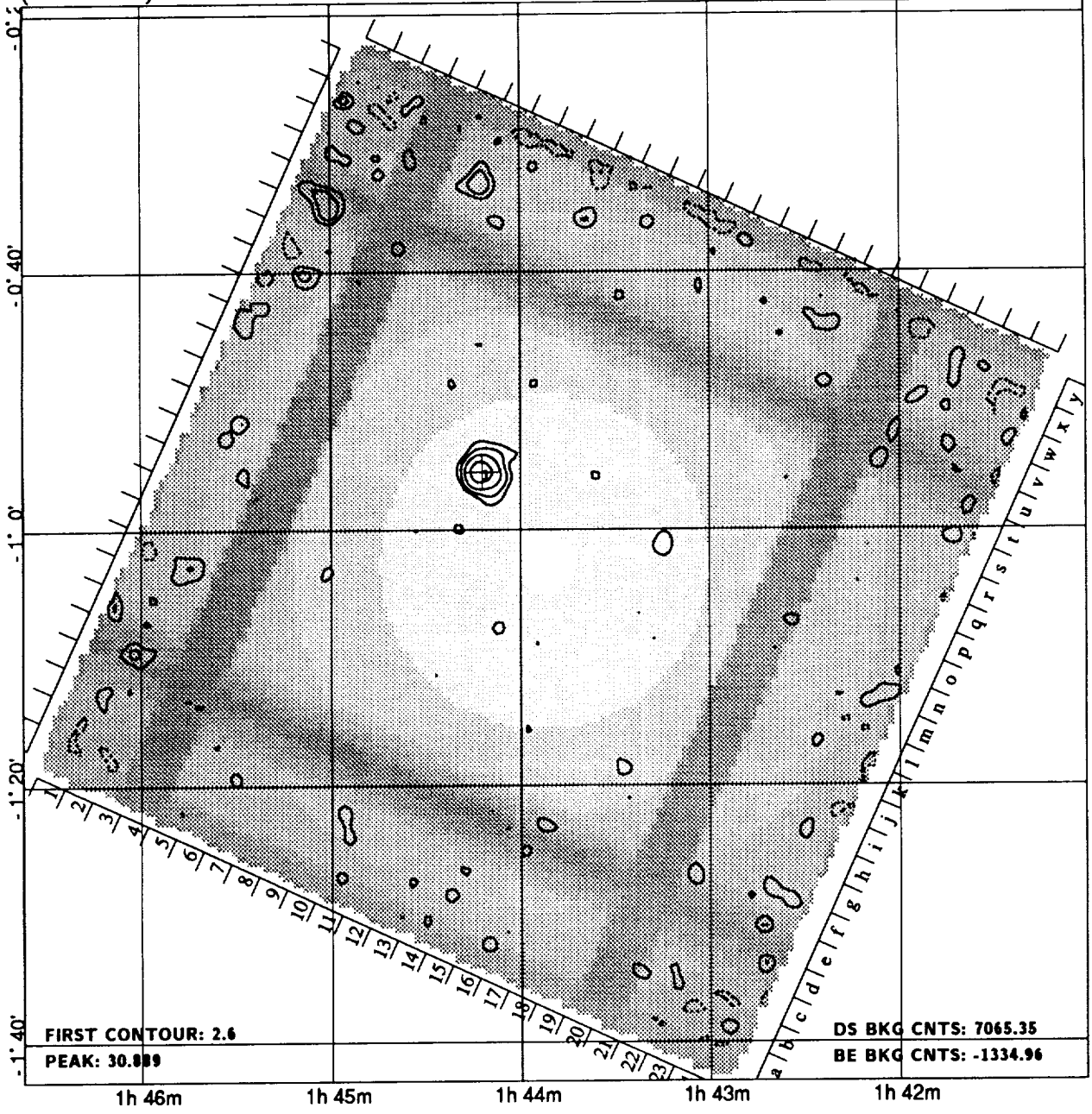
NH: $3.0E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
475	1	01 44 19.3	-01 48 49	55	*0.0070	0.0018	21.0	9.0	3.8	1.1	703	20.2	H

(1h 43m)

I 3714

(1h 43m)



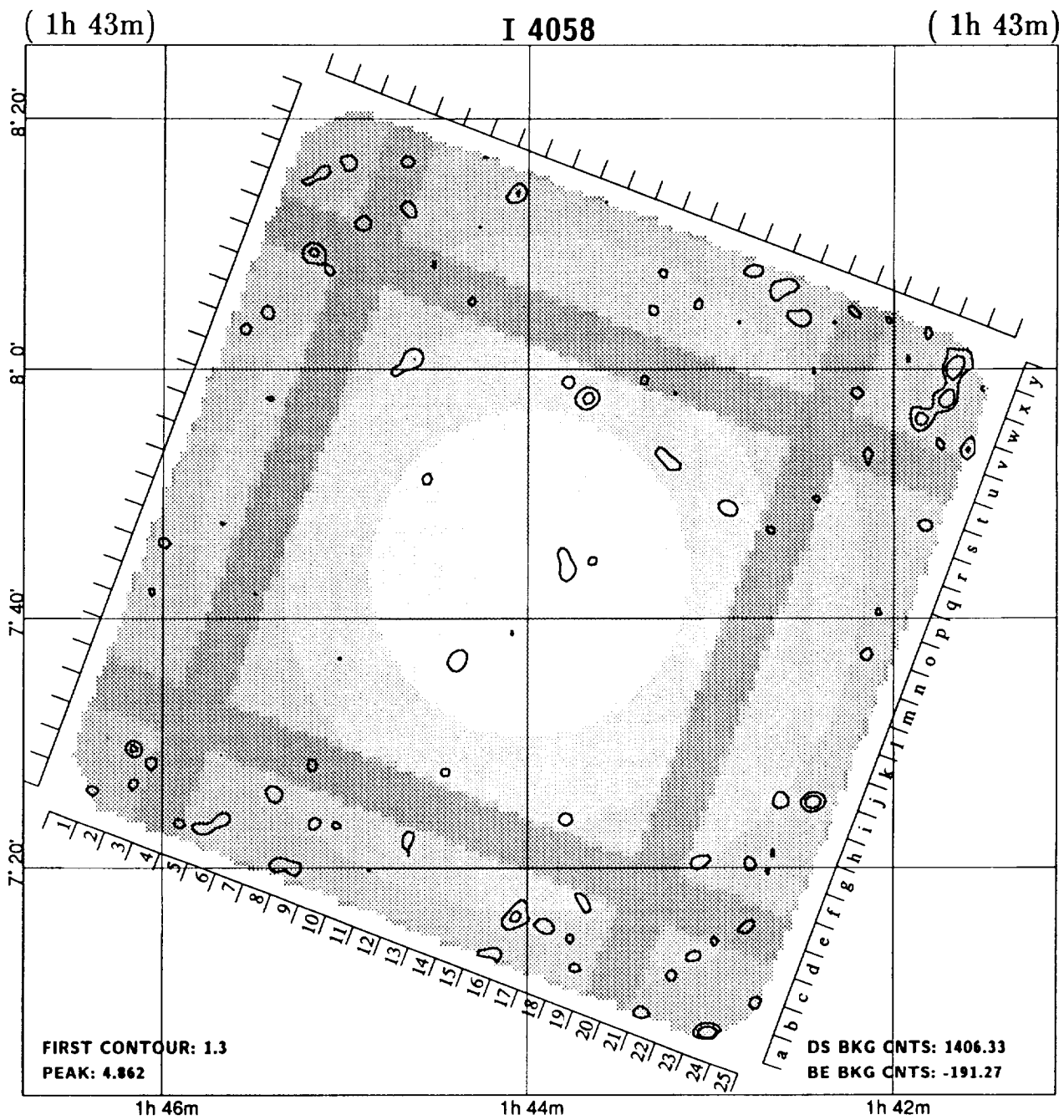
0143-010 , QUASAR SURVEY

FIELD CENTER: $01^h 43^m 49.0^s -01^{\circ} 01' 05''$ (B1950)
 $01^h 46^m 22.3^s -00^{\circ} 46' 07''$ (J2000)
 $l: 151.78 \quad b: -60.53$

DATE: 1979/202 - 1979/202
 LIVETIME: 5725.2s
 ROLL ANGLE: -65.5°

NH: $1.4E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
474	1	01 44 12.2	-00 55 32	38	0.0313	0.0030	122.3	13.7	10.5	1.2	0	8.3	H	AGN



PHL 1141, RADIO QUIET QUASAR WITH CONTINUOUS SPECTRUM

FIELD CENTER: 01^h43^m56.2^s 07°43'47" (B1950)
01^h46^m34.0^s 07°58'46" (J2000)
ℓ: 145.70 b: -52.44

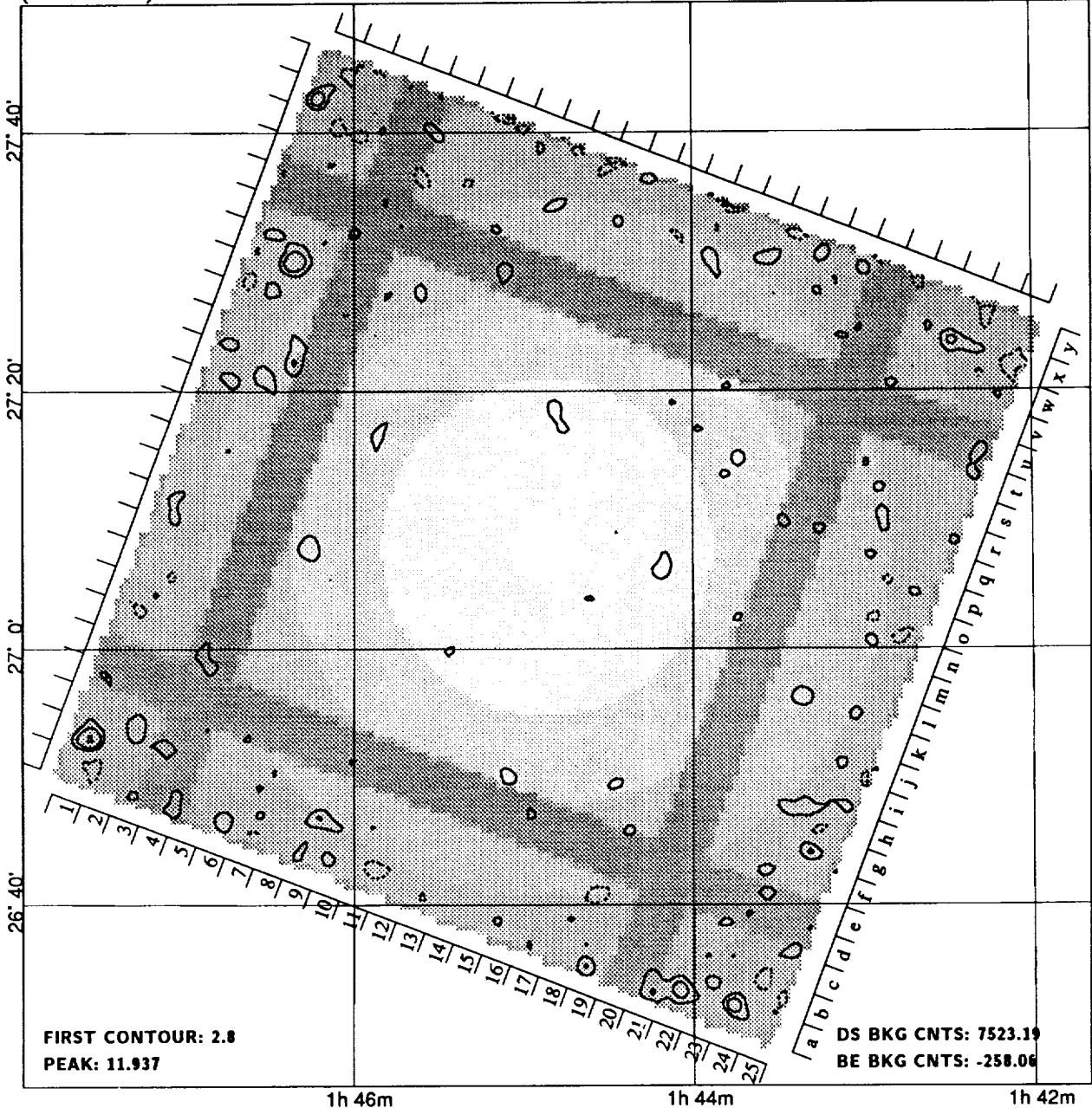
DATE: 1979/206 - 1979/206
LIVETIME: 1139.6s
ROLL ANGLE: -69.3°

NH: 4.6E+20
REF/ID:
FIELD FLAGS:

(1h 44m)

I 7756

(1h 44m)



1h 46m

1h 44m

1h 42m

N 672/IC 1727, BRIGHT NEARBY PAIRS OF GALAXIES

FIELD CENTER: 01^h44^m48.0^s 27°07'59" (B1950)
 01^h47^m37.1^s 27°22'56" (J2000)
 l : 137.97 b : -33.84

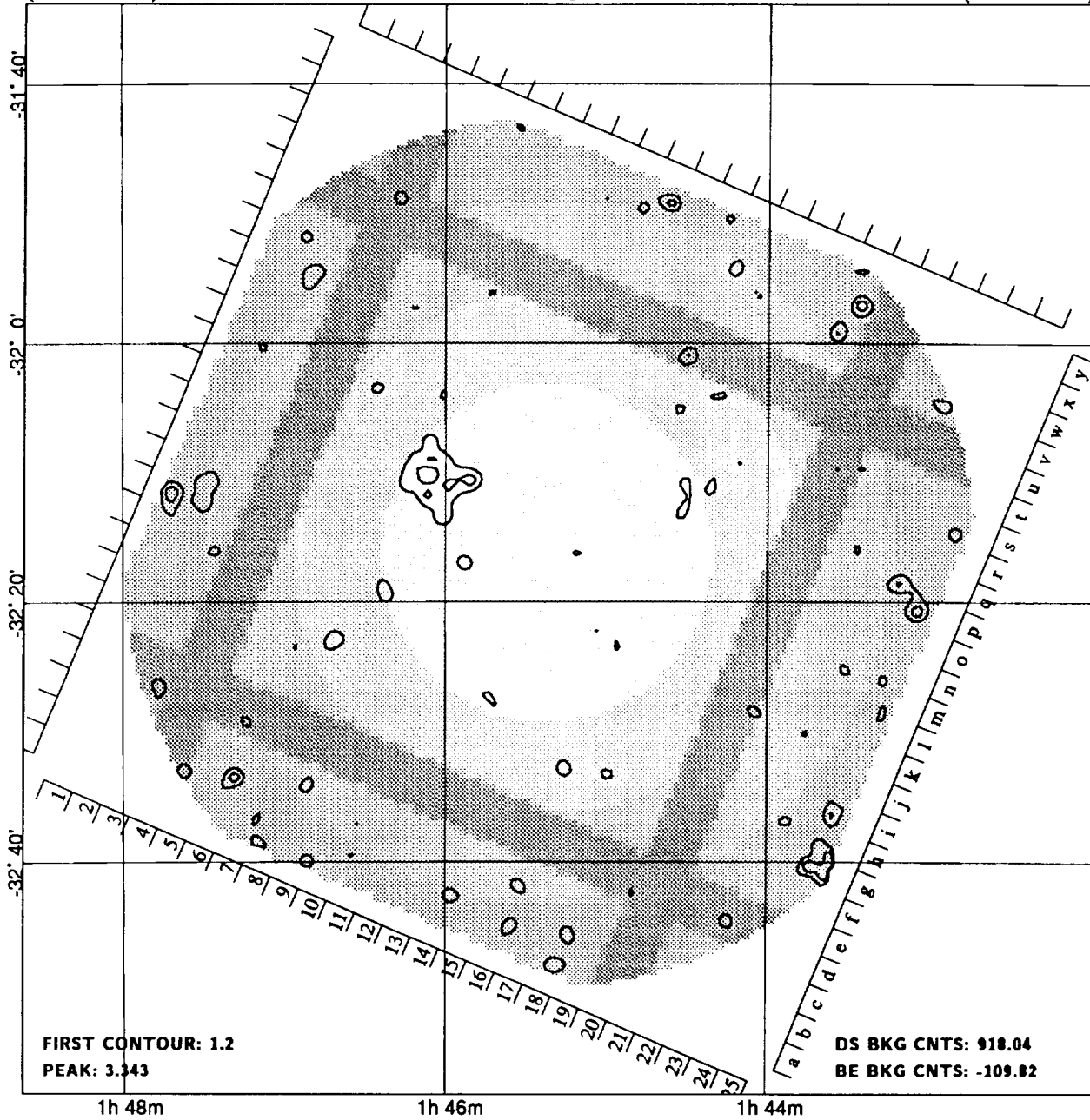
DATE: 1980/205 - 1980/205
 LIVETIME: 6096.2s
 ROLL ANGLE: -69.3°

NH: 7.2E+20
 REF/ID:
 FIELD FLAGS:

(1h 45m)

I 1822

(1h 45m)



01454-3216: X-RAY STUDY OF CLUSTERS OF GALAXIES

FIELD CENTER: $01^{\text{h}}45^{\text{m}}18.0^{\text{s}}$ $-32^{\circ}15'59''$ (B1950)
 $01^{\text{h}}47^{\text{m}}32.9^{\text{s}}$ $-32^{\circ}01'03''$ (J2000)
 $l: 238.14$ $b: -76.87$

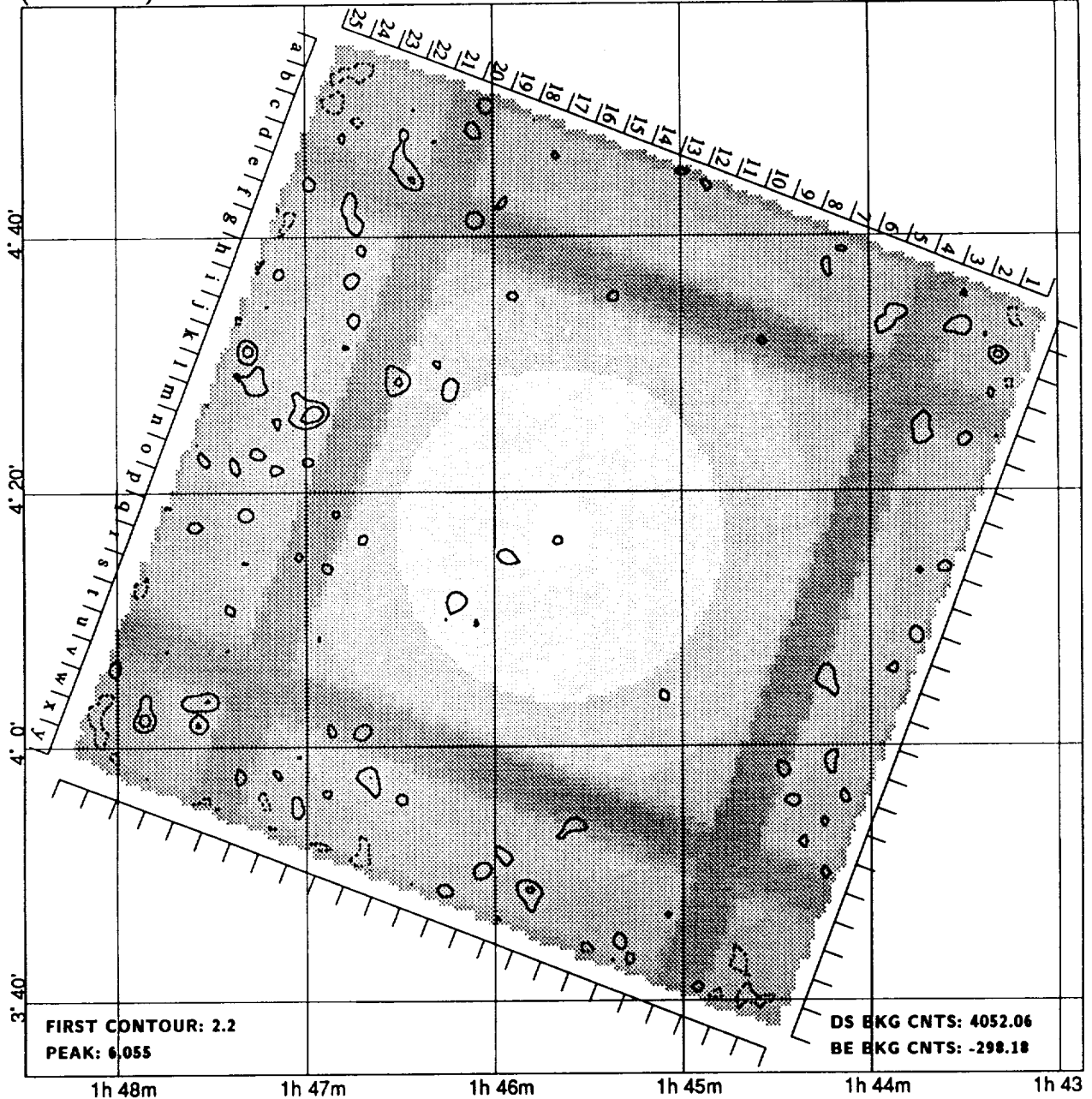
DATE: 1979/191 - 1979/191
 LIVETIME: 743.9s
 ROLL ANGLE: -67.2°

NH: $1.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(1h 45m)

I 5115

(1h 45m)



FIRST CONTOUR: 2.2
PEAK: 6.055

DS BKG CNTS: 4052.06
BE BKG CNTS: -298.18

1h 48m 1h 47m 1h 46m 1h 45m 1h 44m 1h 43

QSO 0145+042(UM139)

FIELD CENTER: 01^h45^m41.0^s 04°16'17" (B1950)
01^h48^m17.1^s 04°31'13" (J2000)
 l : 148.53 b : -55.50

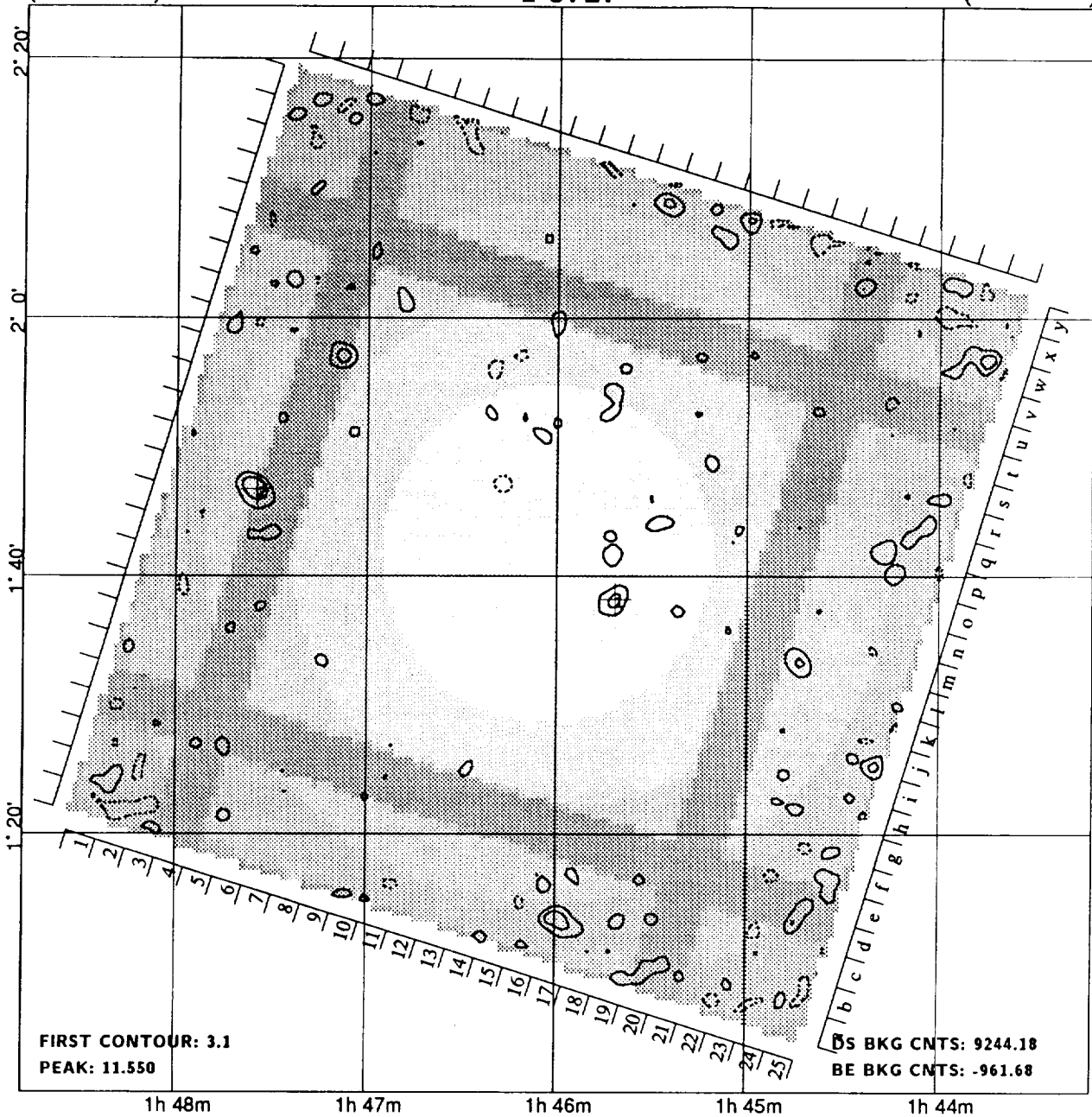
DATE: 1980/ 17 - 1980/ 17
LIVETIME: 3283.5s
ROLL ANGLE: 110.9°

NH: 3.7E+20
REF/ID:
FIELD FLAGS:

(1h 46m)

I 3727

(1h 46m)



0146+017, QUASAR SURVEY

FIELD CENTER: $01^h 46^m 00.0^s$ $01^\circ 41' 59''$ (B1950)
 $01^h 48^m 34.7^s$ $01^\circ 56' 54''$ (J2000)
 $l: 150.52$ $b: -57.83$

DATE: 1979/204 - 1979/204
 LIVETIME: 7490.8s
 ROLL ANGLE: -72.9°

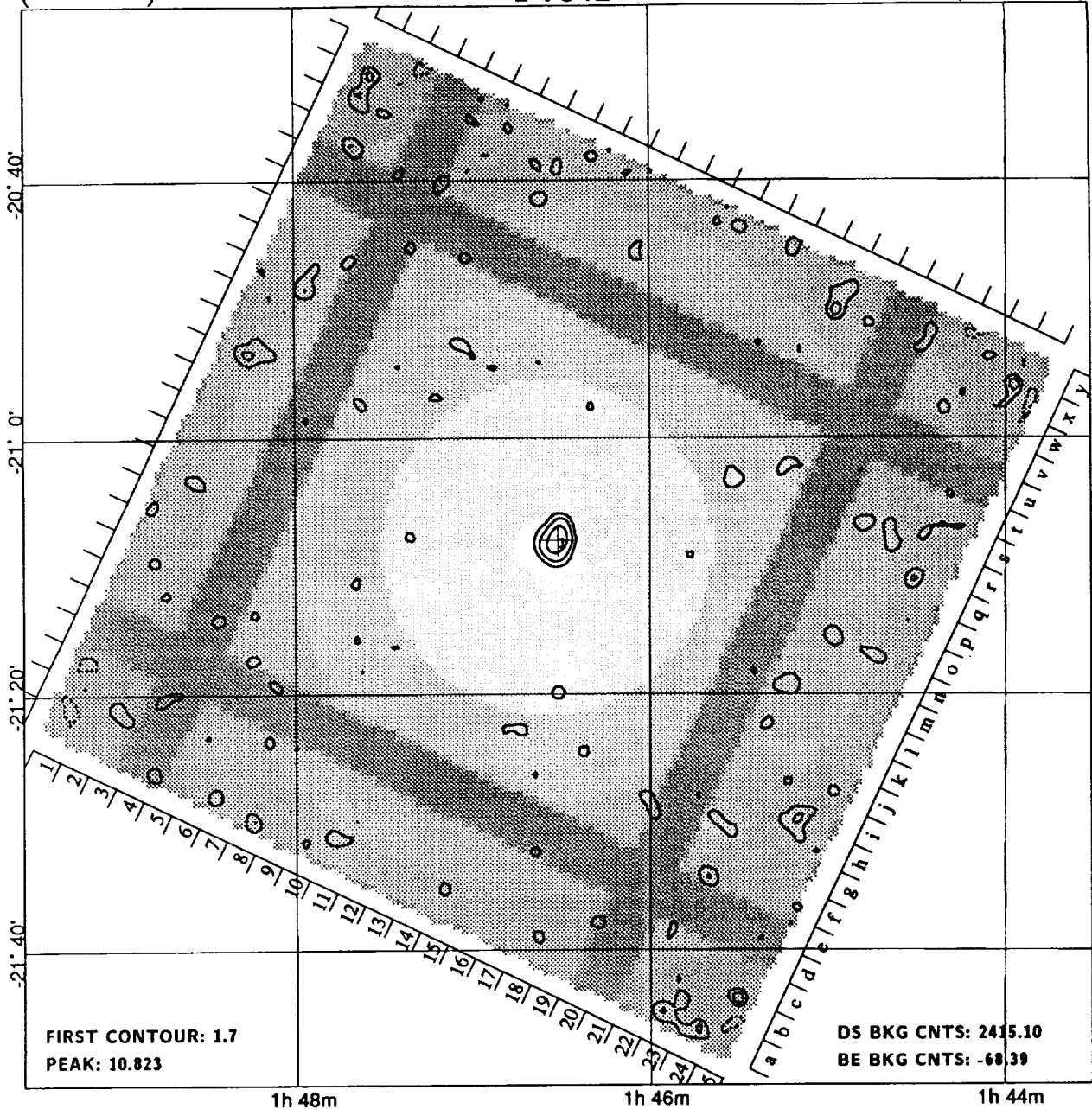
NH: $2.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
480	1	01 45 41.6	01 38 13	43	0.0047	0.0013	24.6	19.4	3.7	0.7	0	5.9	H
486	2	01 47 34.8	01 46 45	54	*0.0073	0.0018	24.6	13.4	4.0	0.8	804	24.4	H

(1h 46m)

I 7842

(1h 46m)



TW CET,SURVEY OF W URSAE MAJORIS STARS

FIELD CENTER: $01^h 46^m 31.2^s$ $-21^\circ 08' 23''$ (B1950)
 $01^h 48^m 53.3^s$ $-20^\circ 53' 29''$ (J2000)
 $l: 190.57$ $b: -75.49$

DATE: 1980/173 - 1980/173
 LIVETIME: 1957.0s
 ROLL ANGLE: -64.6°

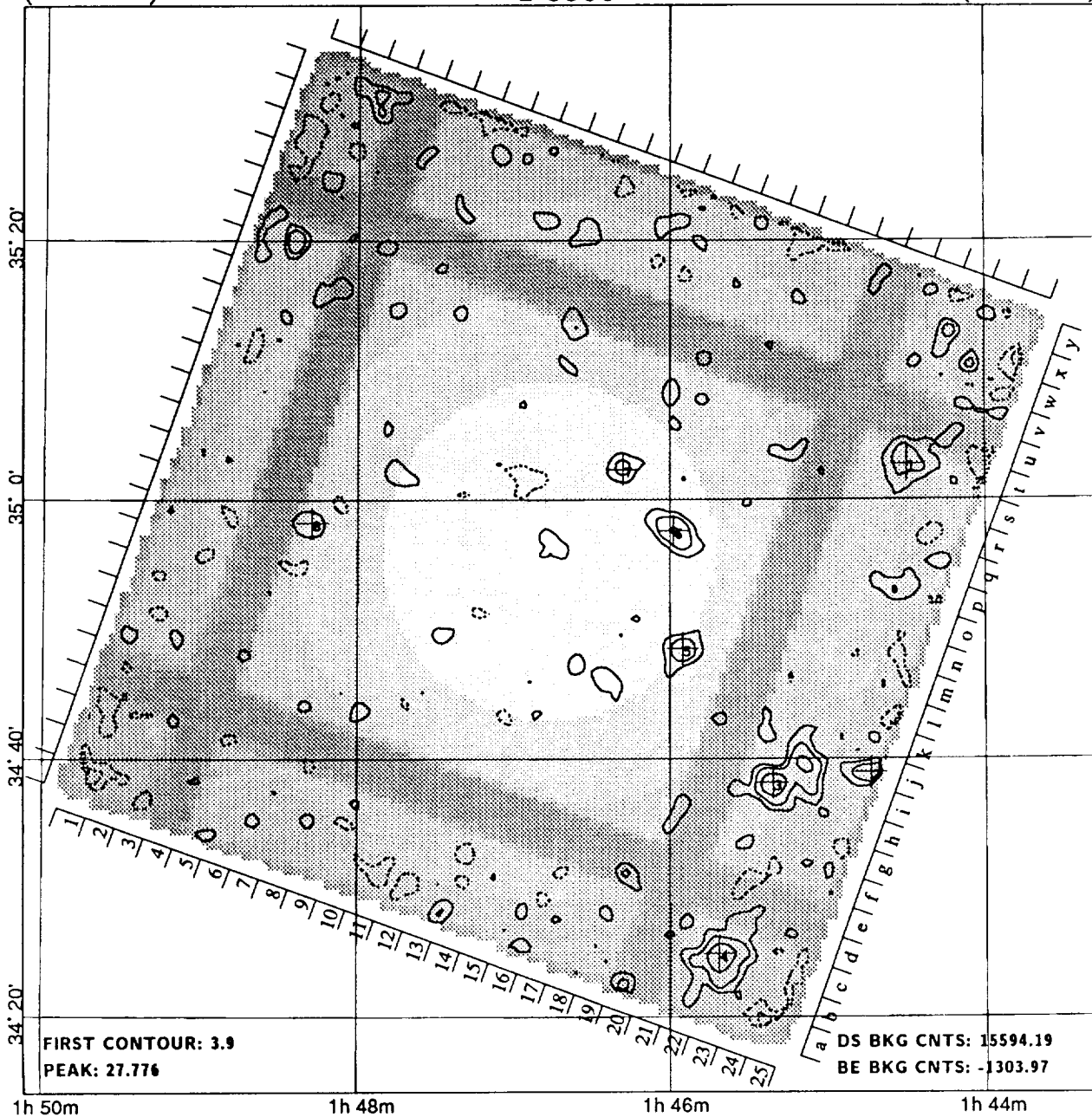
NH: $1.3E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
484	1	01 46 31.1	-21 07 59	35	0.0290	0.0048	42.3	5.7	6.1	1.0	0	0.4	H	S

(1h 46m)

I 8366

(1h 46m)



A 262, HOT GAS & ACTIVE GALAXIES IN ABELL CLUSTERS

FIELD CENTER: 01^h46^m43.0^s 34°56'12" (B1950)
 01^h49^m38.1^s 35°11'05" (J2000)
 l : 136.16 b : -26.19

DATE: 1980/203 - 1980/206
 LIVETIME: 12636.4s
 ROLL ANGLE: -70.2°

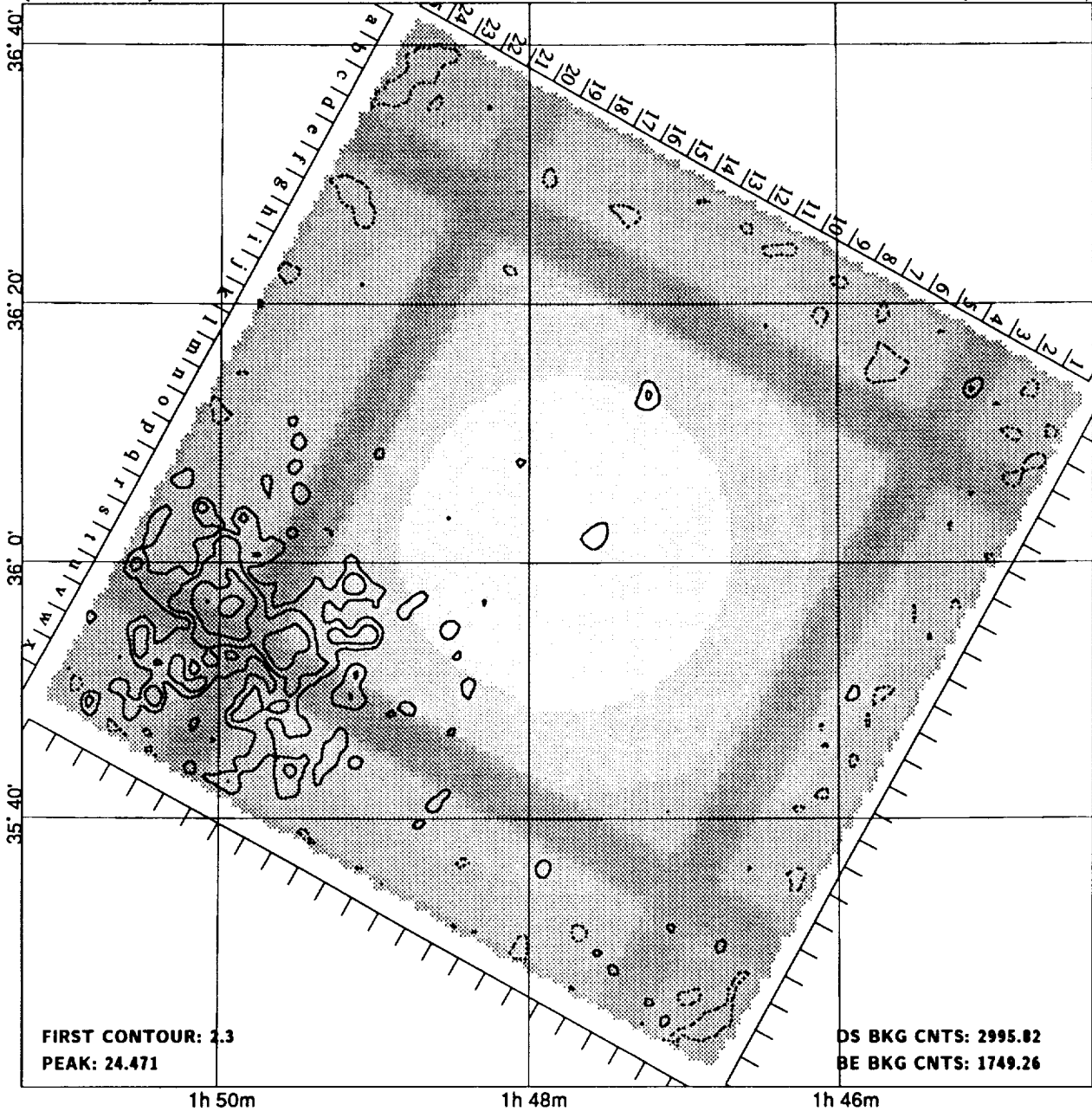
NH: 5.0E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
476	1	01 44 29.7	35 02 44	60	*0.0064	0.0015	30.0	20.0	4.2	1.5	601	28.2	H
477	2	01 44 43.4	34 38 55	55	*0.0100	0.0022	33.6	22.4	4.5	0.9	703	29.9	EH
478	3	01 45 20.6	34 38 07	50	0.0116	0.0017	63.0	21.0	6.9	2.3	0	24.5	H
479	4	01 45 41.3	34 24 49	51	0.0108	0.0021	39.2	19.8	5.1	1.8	0	33.8	H
481	5	01 45 55.2	34 48 28	42	0.0058	0.0011	46.1	28.9	5.3	0.9	0	12.3	H
482	6	01 45 58.7	34 57 31	41	0.0073	0.0011	61.1	29.9	6.4	1.2	0	9.3	H
483	7	01 46 18.0	35 02 21	43	0.00386	0.00091	33.2	27.8	4.3	0.7	0	8.0	
488	8	01 48 17.5	34 58 10	57	0.0036	0.0010	24.3	21.7	3.6	0.6	500	19.2	

(1h 47m)

I 7559

(1h 47m)



FIELD CENTER: $01^h 47^m 48.8^s$ $36^\circ 01' 14''$ (B1950)
 $01^h 50^m 44.9^s$ $36^\circ 16' 05''$ (J2000)
 $l: 136.10$ $b: -25.08$

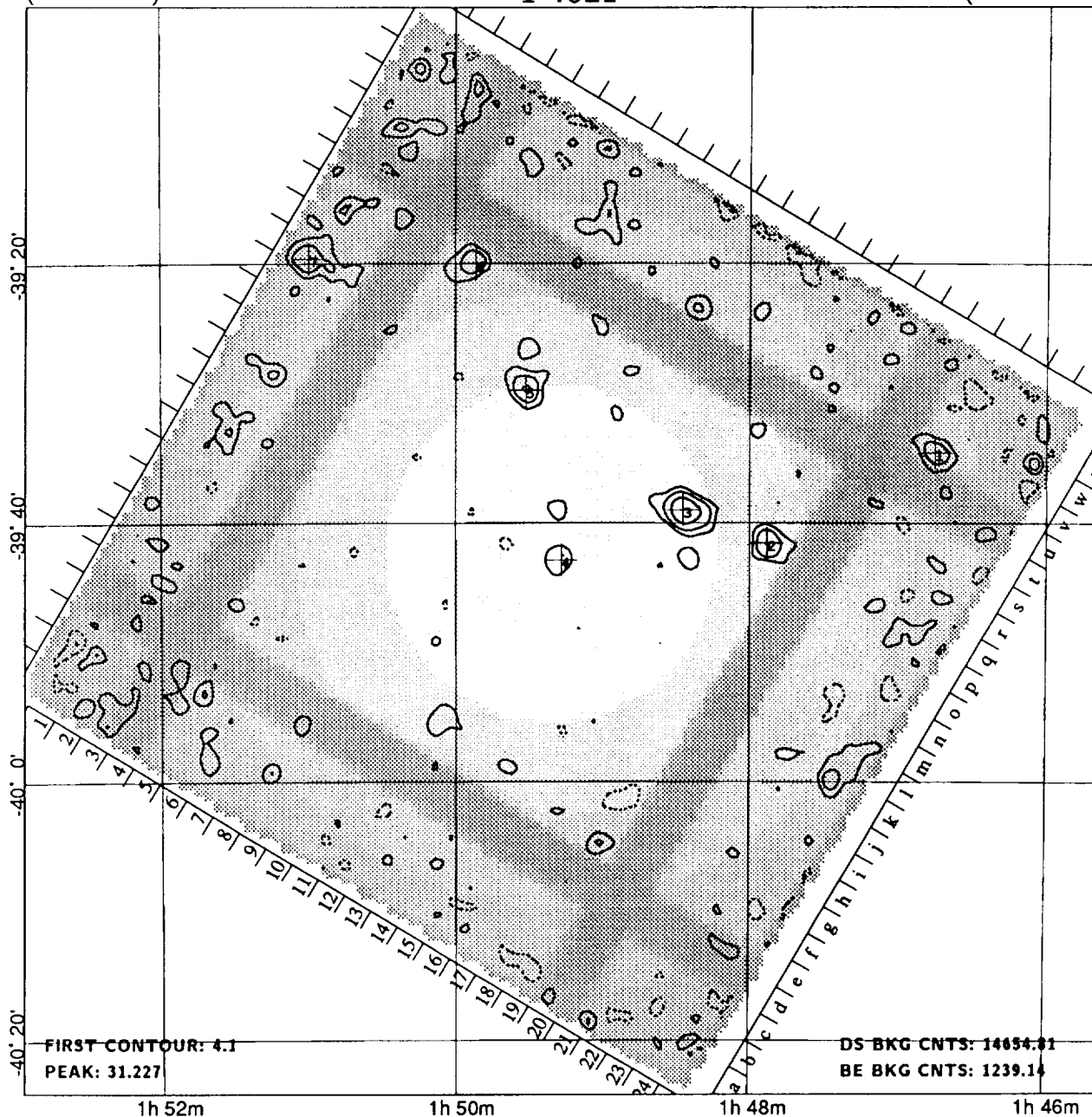
DATE: 1980/ 44 - 1980/ 44
 LIVETIME: 2427.6s
 ROLL ANGLE: 110.9°

NH: $5.2E+20$
 REF/ID:
 FIELD FLAGS: LS

(1h 49m)

I 4021

(1h 49m)



QUASAR Q 0149-397

FIELD CENTER: $01^{\text{h}}49^{\text{m}}17.0^{\text{s}} -39^{\circ}42'16''$ (B1950)
 $01^{\text{h}}51^{\text{m}}25.2^{\text{s}} -39^{\circ}27'28''$ (J2000)
 $l: 261.40 \quad b: -72.47$

DATE: 1980/179 - 1980/179
 LIVETIME: 11875.2s
 ROLL ANGLE: -59.3°

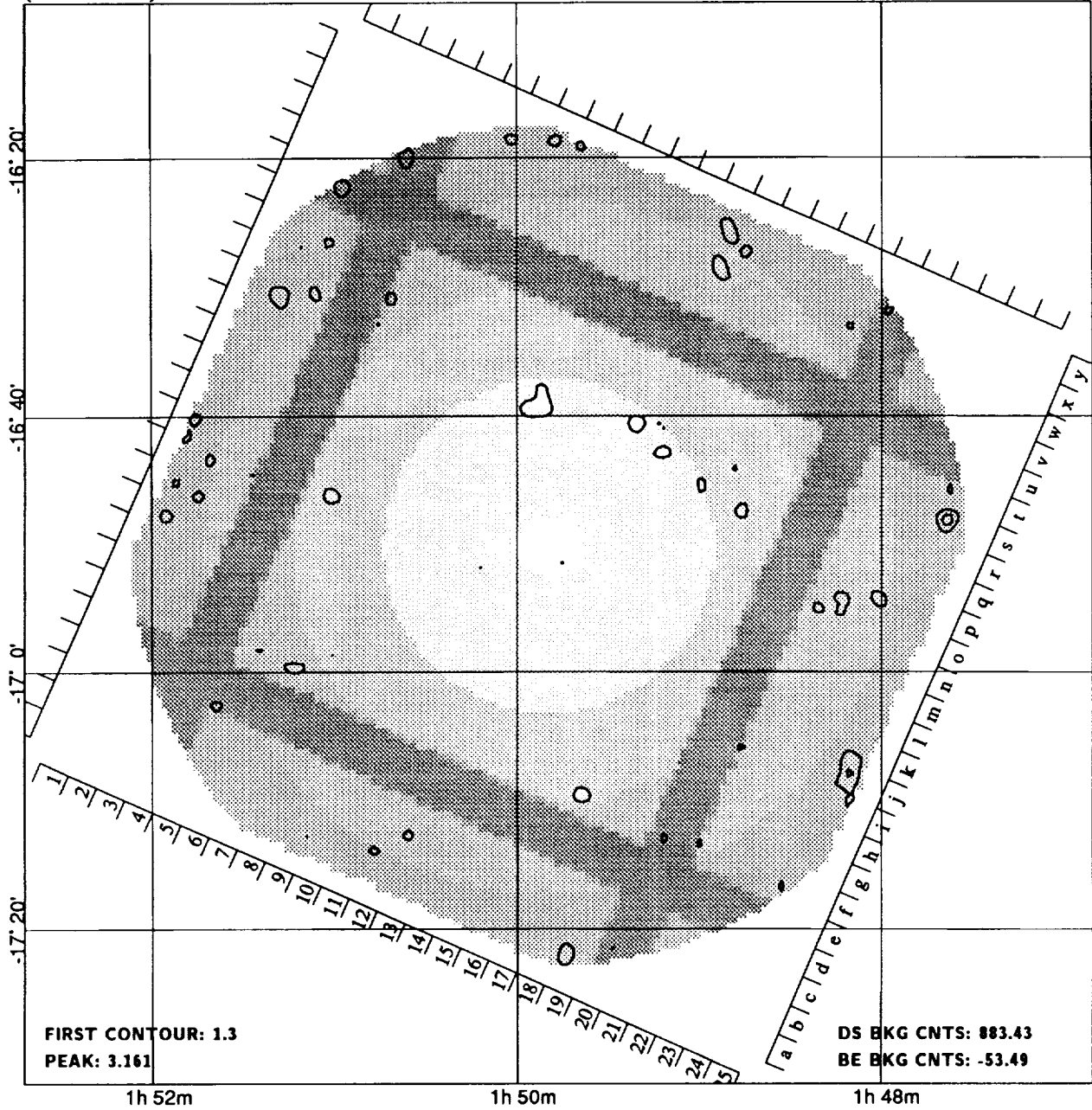
NH: $1.6\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
485	1	01 46 45.0	-39 34 32	61	*0.0061	0.0016	24.2	15.8	3.8	0.9	902	30.2	H
487	2	01 47 52.9	-39 41 33	50	0.0074	0.0014	49.5	33.5	5.4	0.8	100	16.1	H
489	3	01 48 27.0	-39 39 00	38	0.0133	0.0015	103.8	36.2	8.8	1.1	0	10.3	H
491	4	01 49 16.8	-39 42 51	36	0.00408	0.00099	36.1	40.9	4.1	0.6	0	0.2	H
492	5	01 49 31.3	-39 29 47	41	0.0067	0.0012	50.2	34.8	5.4	0.9	0	13.2	H
494	6	01 49 51.7	-39 19 59	55	*0.0054	0.0013	29.4	24.6	4.0	0.9	401	23.3	H
500	7	01 50 59.8	-39 19 38	55	0.0074	0.0017	31.0	23.0	4.2	1.5	400	30.4	H

(1h 49m)

I 2481

(1h 49m)



0149-16M: SURVEY OF NEARBY RADIO PULSARS

FIELD CENTER: $01^{\text{h}}49^{\text{m}}46.0^{\text{s}}$ $-16^{\circ}49'59''$ (B1950)
 $01^{\text{h}}52^{\text{m}}10.4^{\text{s}}$ $-16^{\circ}35'12''$ (J2000)
 $l: 179.19$ $b: -72.43$

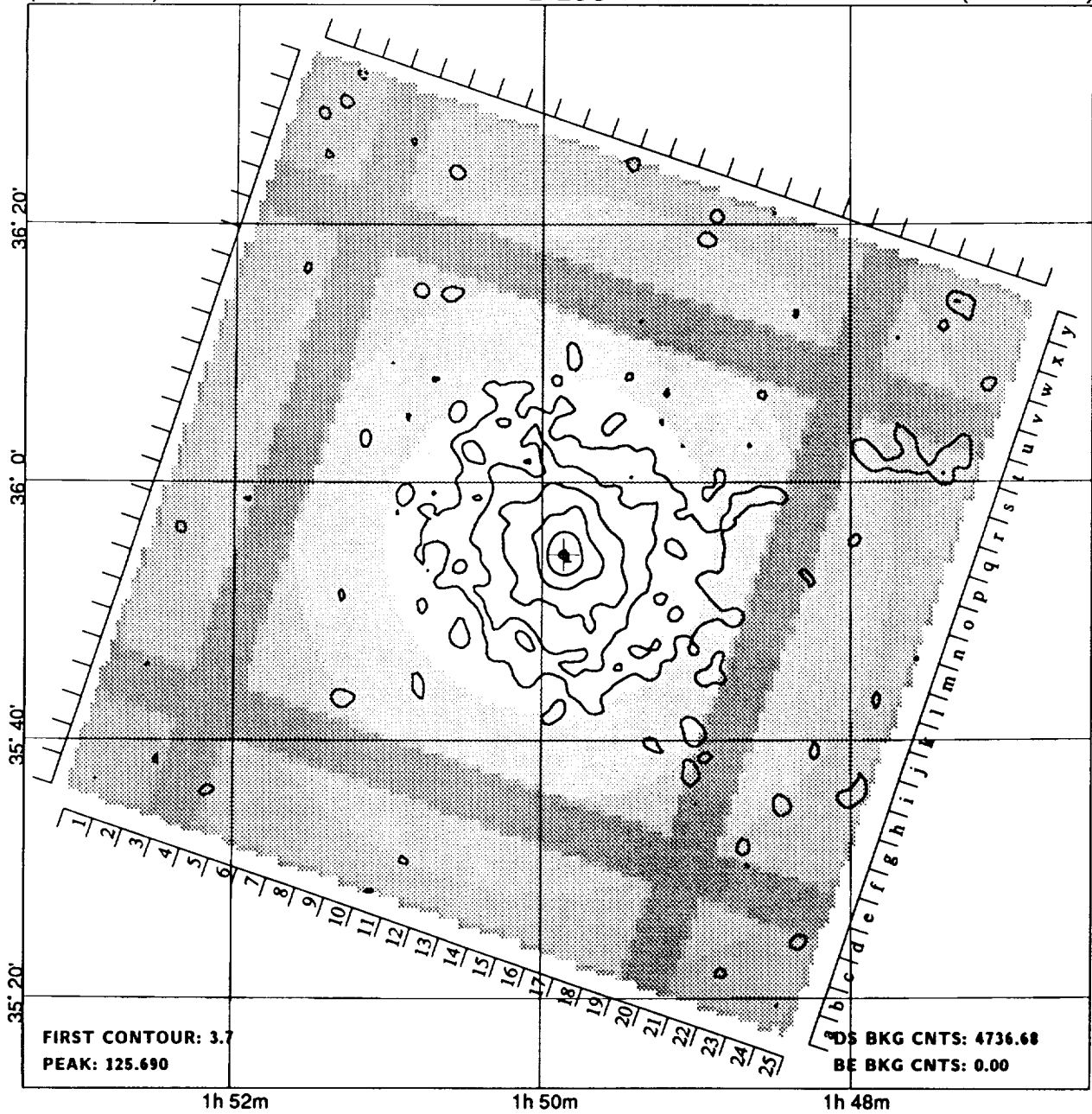
DATE: 1979/191 - 1979/191
 LIVETIME: 715.9s
 ROLL ANGLE: -66.3°

NH: $1.4\text{E}+20$
 REF/ID: !
 FIELD FLAGS:

(1h 49m)

I 295

(1h 49m)



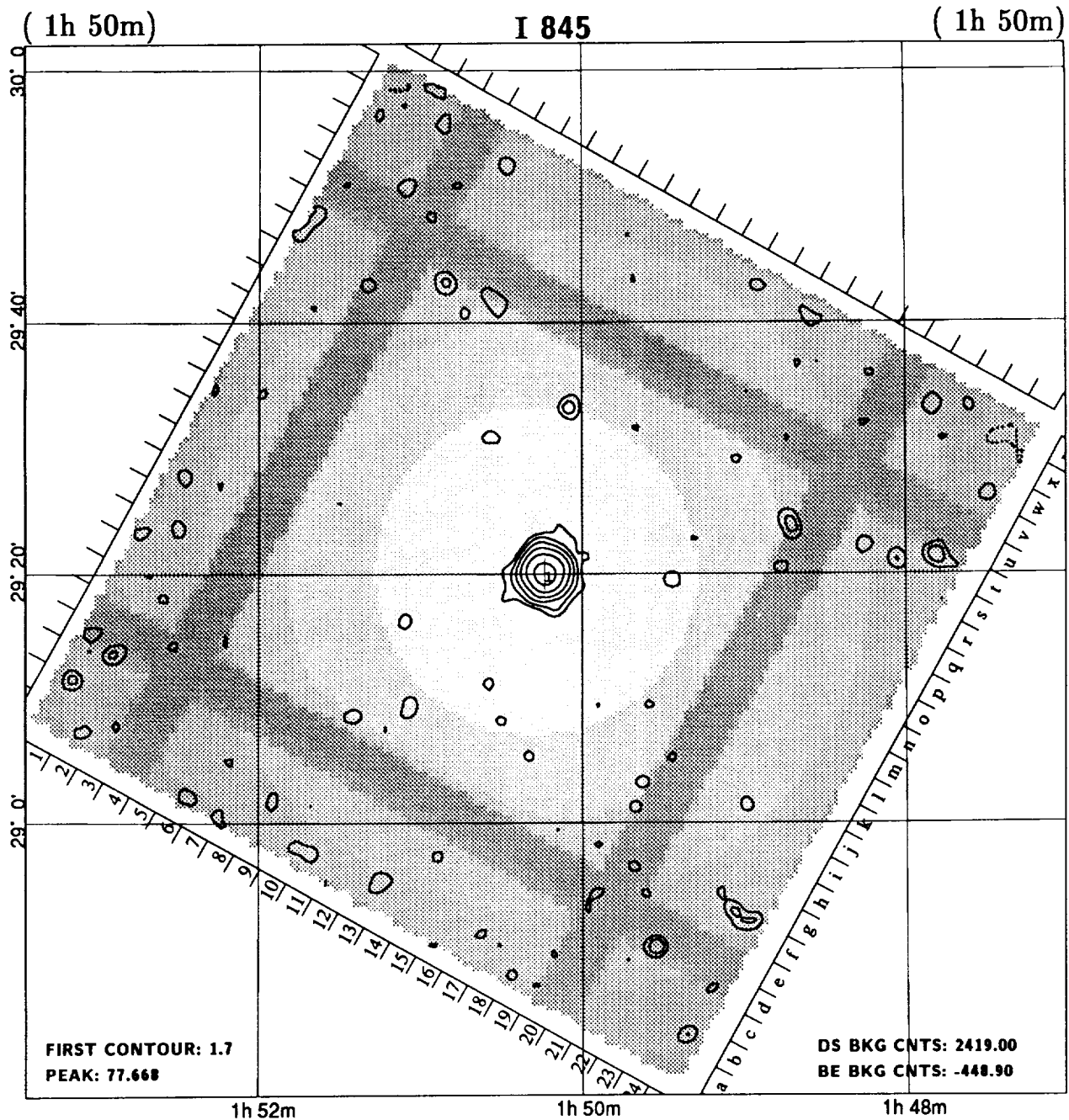
A262 DETAILED CLUSTER STUDY

FIELD CENTER: $01^{\text{h}}49^{\text{m}}54.0^{\text{s}}$ $35^{\circ}54'59''$ (B1950)
 $01^{\text{h}}52^{\text{m}}50.5^{\text{s}}$ $36^{\circ}09'45''$ (J2000)
 $l: 136.58$ $b: -25.08$

DATE: 1979/212 - 1979/212
LIVETIME: 3838.3s
ROLL ANGLE: -71.3°

NH: $5.3E+20$
REF/ID:
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
493	1L	01 49 51.6	35 54 25	31	0.125	0.010	357.1	238.9	12.0	6.2	0	0.8		CLG



ALPHA TRI STELLAR OBSERVATIONS, F STARS

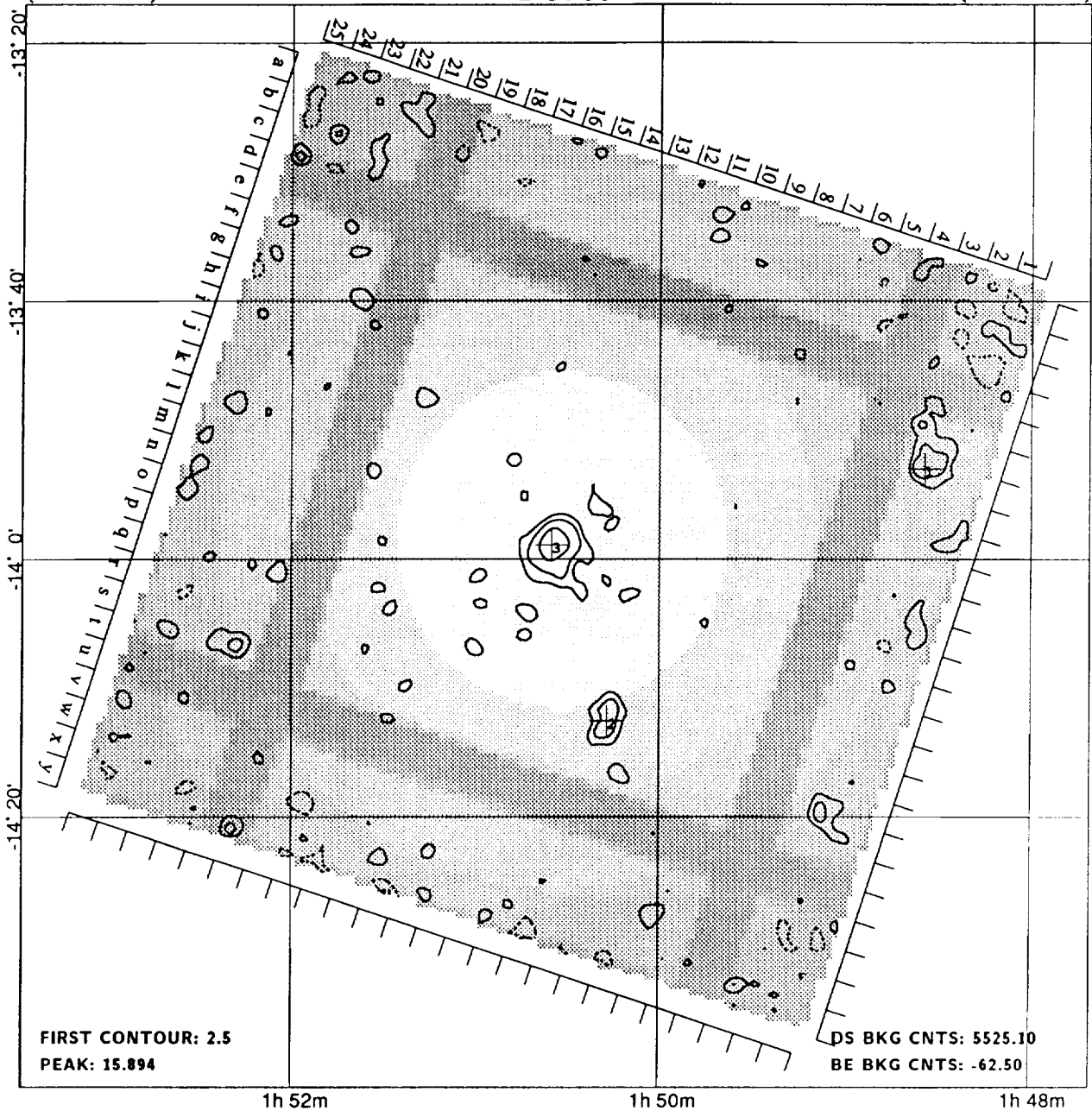
FIELD CENTER: 01 ^h 50 ^m 13.4 ^s 29°20'09" (B1950) 01 ^h 53 ^m 04.8 ^s 29°34'55" (J2000) $l: 138.64$ $b: -31.40$	DATE: 1979/202 - 1979/202 LIVETIME: 1960.2s ROLL ANGLE: -60.9°	NH: 5.3E+20 REF/ID: FIELD FLAGS:
--	---	---

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
495	1	01 50 14.0	29 19 59	31	0.241	0.013	351.3	4.7	18.6	1.4	0	0.2	H	S

(1h 50m)

I 5769

(1h 50m)



NORMAL GALAXIES: N720

FIELD CENTER: $01^h 50^m 34.0^s$ $-13^\circ 59' 05''$ (B1950)
 $01^h 53^m 00.0^s$ $-13^\circ 44' 20''$ (J2000)
 $l: 173.02$ $b: -70.36$

DATE: 1980/ 22 - 1980/ 22
 LIVETIME: 4477.1s
 ROLL ANGLE: 108.1°

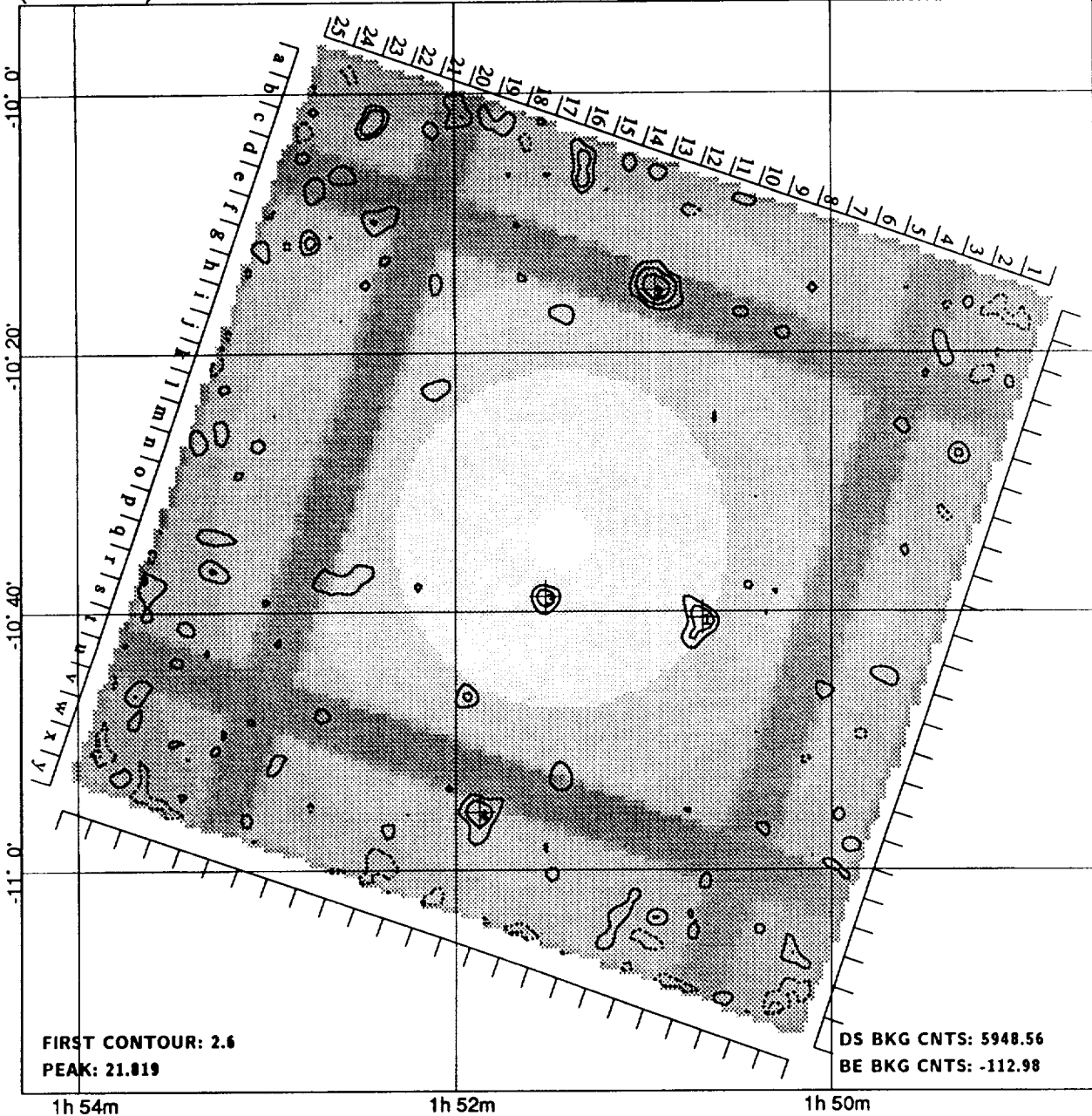
NH: $1.4E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
490	1	01 48 34.2	-13 53 01	55	0.0111	0.0031	18.2	7.8	3.6	1.6	400	29.7	H
496	2	01 50 16.9	-14 12 35	43	0.0116	0.0024	31.3	11.7	4.8	1.3	0	13.1	H
497	3	01 50 35.0	-13 58 56	34	0.0223	0.0028	74.1	13.9	7.9	1.8	0	0.4	H G

(1h 51m)

I 5179

(1h 51m)



STAR ZETA CET,CORRELATION OF CORONAL ACTIVITY WITH BINARY PERIOD

FIELD CENTER: 01^h51^m27.0^s -10°34'59" (B1950)
 01^h53^m54.9^s -10°20'16" (J2000)
 l : 167.14 b : -67.67

DATE: 1980/ 21 - 1980/ 21
 LIVETIME: 4820.3s
 ROLL ANGLE: 109.0°

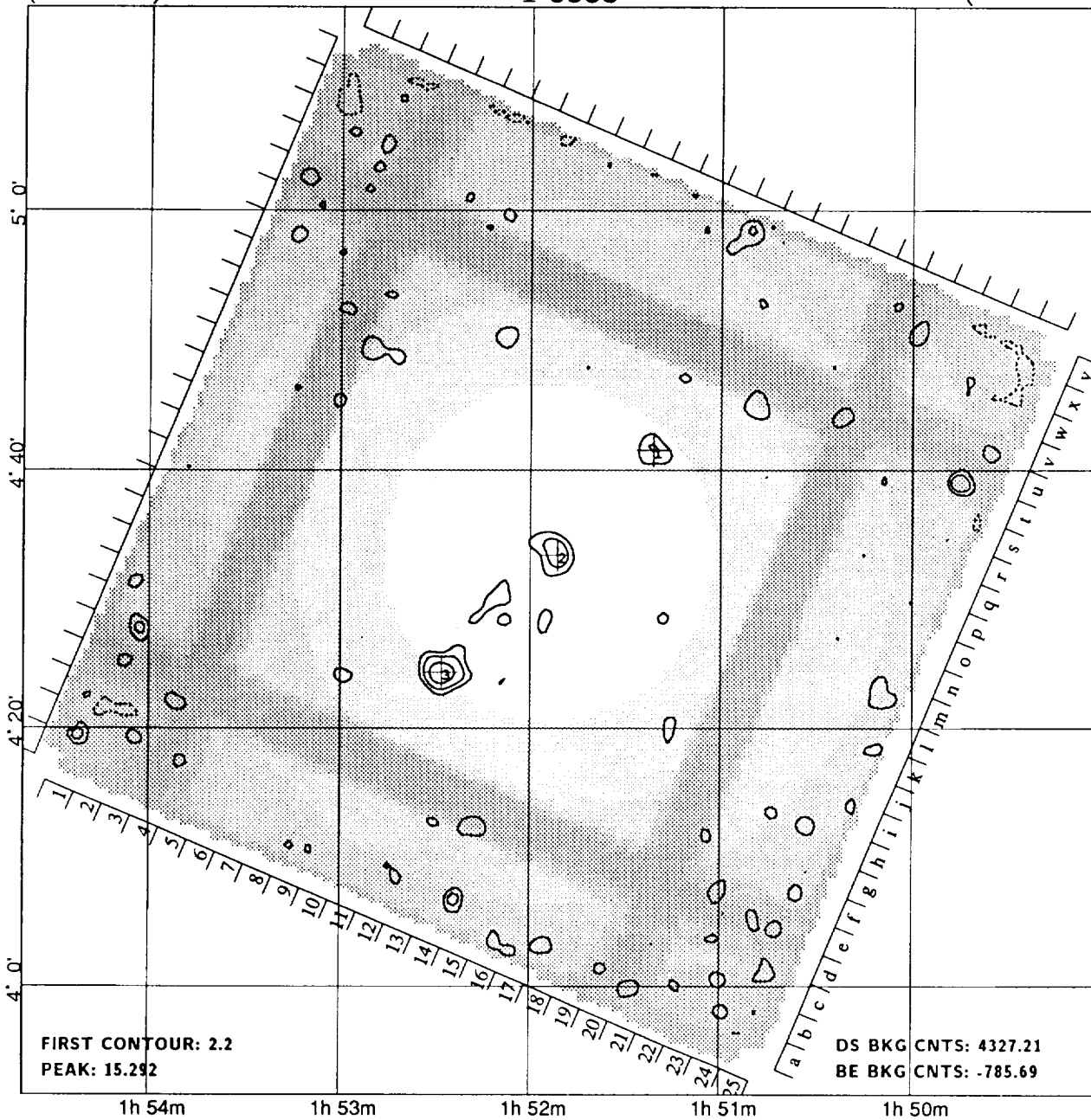
NH: 2.1E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
498	1	01 50 40.9	-10 40 26	42	0.0092	0.0021	28.1	11.9	4.4	0.9	0	12.2	H	
499	2	01 50 56.0	-10 15 08	50	*0.0200	0.0031	48.2	6.8	6.5	1.0	1509	21.4	H	Q
502	3	01 51 31.2	-10 38 49	36	0.0071	0.0018	24.7	14.3	4.0	0.6	0	4.3	H	
504	4	01 51 52.4	-10 55 28	55	*0.0095	0.0024	22.0	8.0	4.0	1.1	704	21.2	H	

(1h 51m)

I 8333

(1h 51m)



PHL 1226, LOW & INTERMEDIATE REDSHIFT QSO'S W/FeII EMISSION

FIELD CENTER: 01^h51^m51.0^s 04°33'37" (B1950)
 01^h54^m27.3^s 04°48'20" (J2000)
l: 150.79 *b*: -54.62

DATE: 1980/194 - 1980/196
 LIVETIME: 3506.4s
 ROLL ANGLE: -67.1°

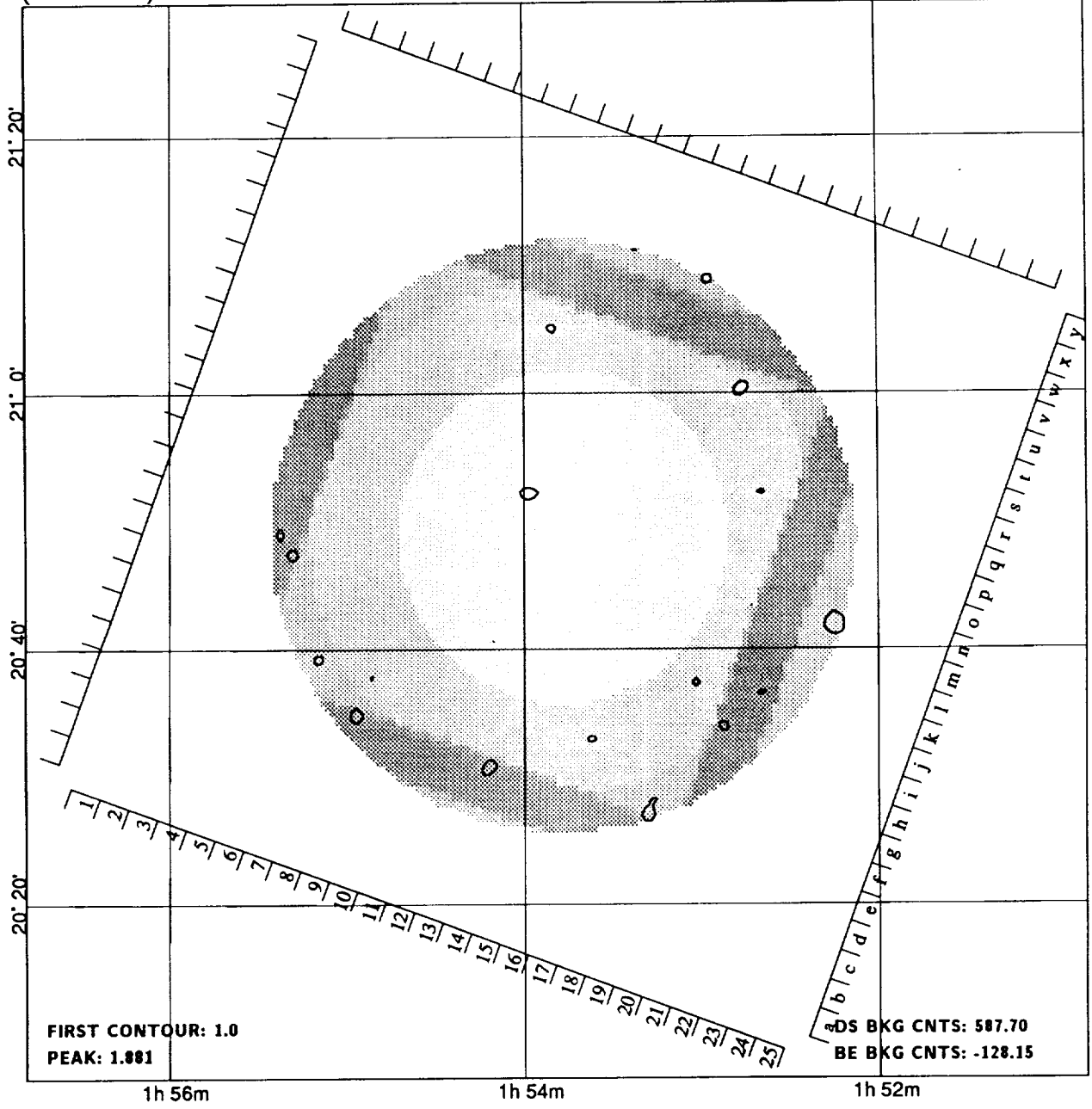
NH: 4.2E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
501	1	01 51 21.2	04 41 31	47	0.0081	0.0022	18.4	7.6	3.6	0.7	0	10.8	H
503	2	01 51 51.4	04 33 25	36	0.0114	0.0024	29.8	8.2	4.8	1.0	0	0.6	H
505	3	01 52 28.0	04 24 17	41	0.0214	0.0034	47.4	7.6	6.4	1.1	0	13.2	H

(1h 53m)

I 3029

(1h 53m)

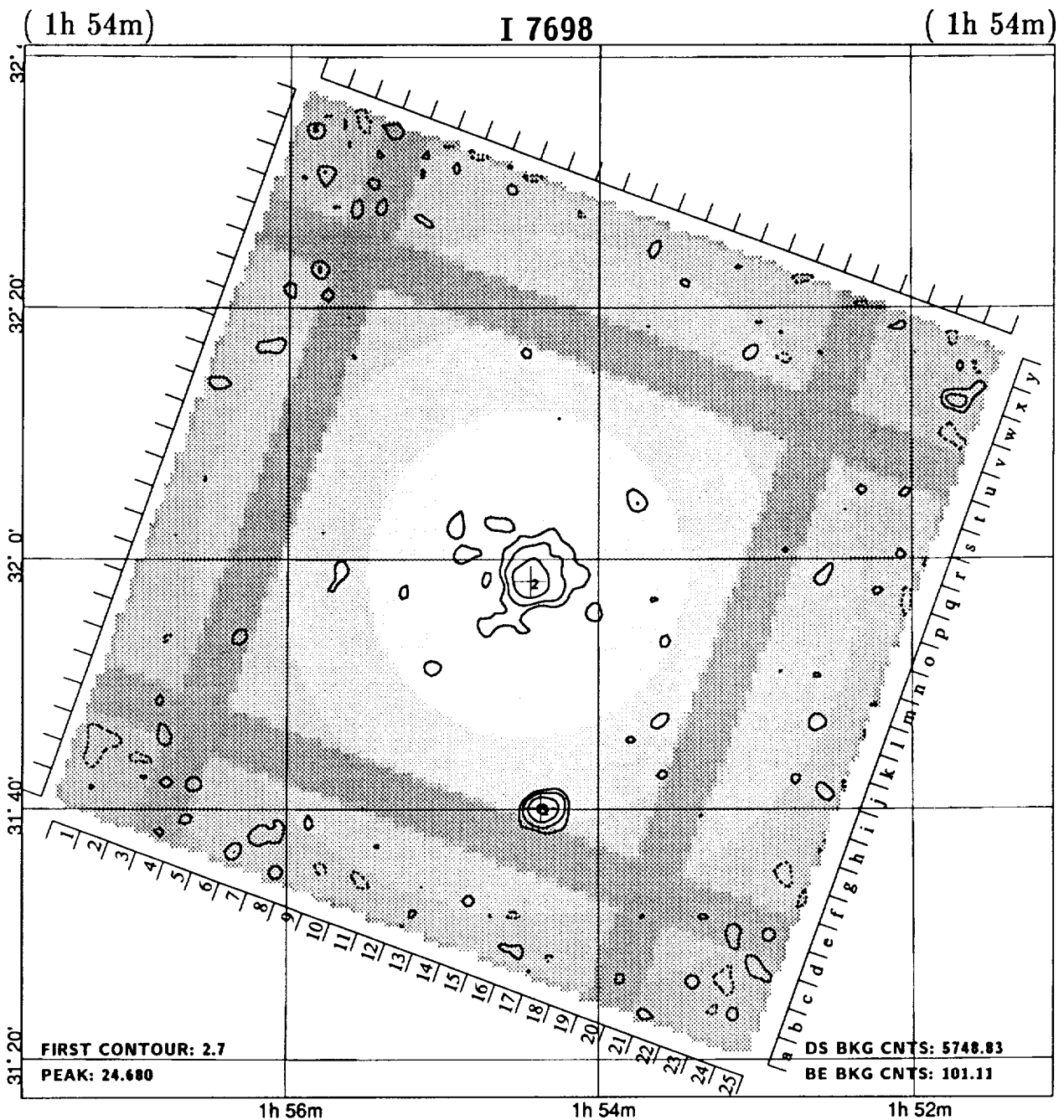


4C20.09: HIGH REDSHIFT CLUSTERS OF GALAXIES

FIELD CENTER: $01^{\text{h}}53^{\text{m}}49.0^{\text{s}}$ $20^{\circ}48'29''$ (B1950)
 $01^{\text{h}}56^{\text{m}}35.1^{\text{s}}$ $21^{\circ}03'08''$ (J2000)
 $l: 142.70$ $b: -39.31$

DATE: 1979/203 - 1979/203
 LIVETIME: 476.2s
 ROLL ANGLE: -70.0°

NH: $6.7E+20$
 REF/ID:
 FIELD FLAGS:



ABELL 278, CLUSTERS OF GALAXIES

FIELD CENTER: 01^h54^m24.0^s 31°58'59" (B1950)
 01^h57^m18.0^s 32°13'36" (J2000)
 l : 138.78 b : -28.61

DATE: 1980/207 - 1980/208
 LIVETIME: 4658.4s
 ROLL ANGLE: -70.0°

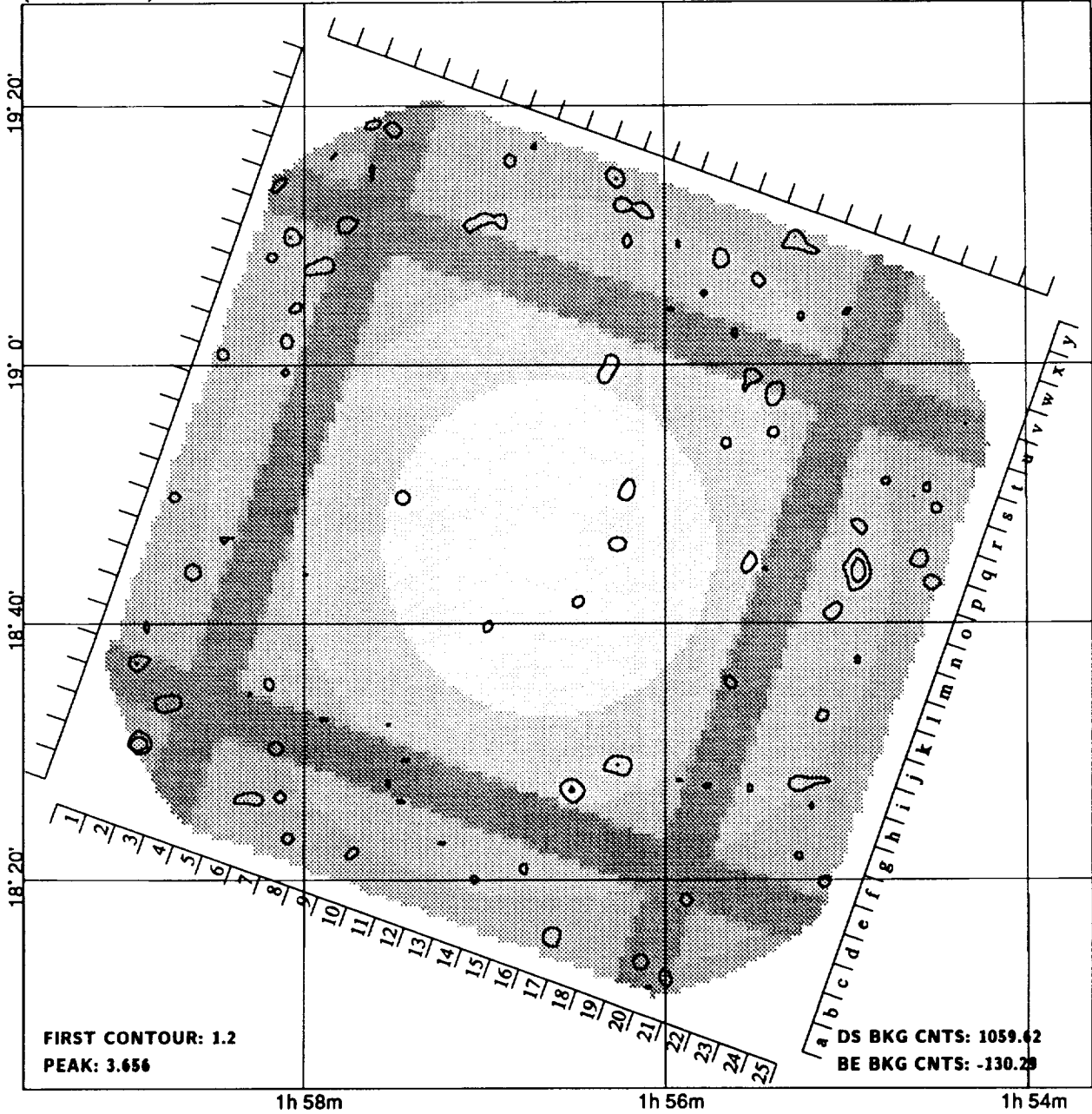
NH: 5.0E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
506	1	01 54 22.3	31 40 07	50	*0.0256	0.0035	63.5	10.5	7.4	1.0	501	18.8	H
507	2	01 54 26.3	31 58 14	32	0.0296	0.0031	102.6	14.4	9.5	2.3	0	0.9	H

(1h 56m)

I 464

(1h 56m)



NGC 772 ABNORMAL GALAXIES SURVEY

FIELD CENTER: $01^{\text{h}}56^{\text{m}}35.4^{\text{s}}$ $18^{\circ}45'59''$ (B1950)
 $01^{\text{h}}59^{\text{m}}20.4^{\text{s}}$ $19^{\circ}00'32''$ (J2000)
 $l: 144.39$ $b: -41.02$

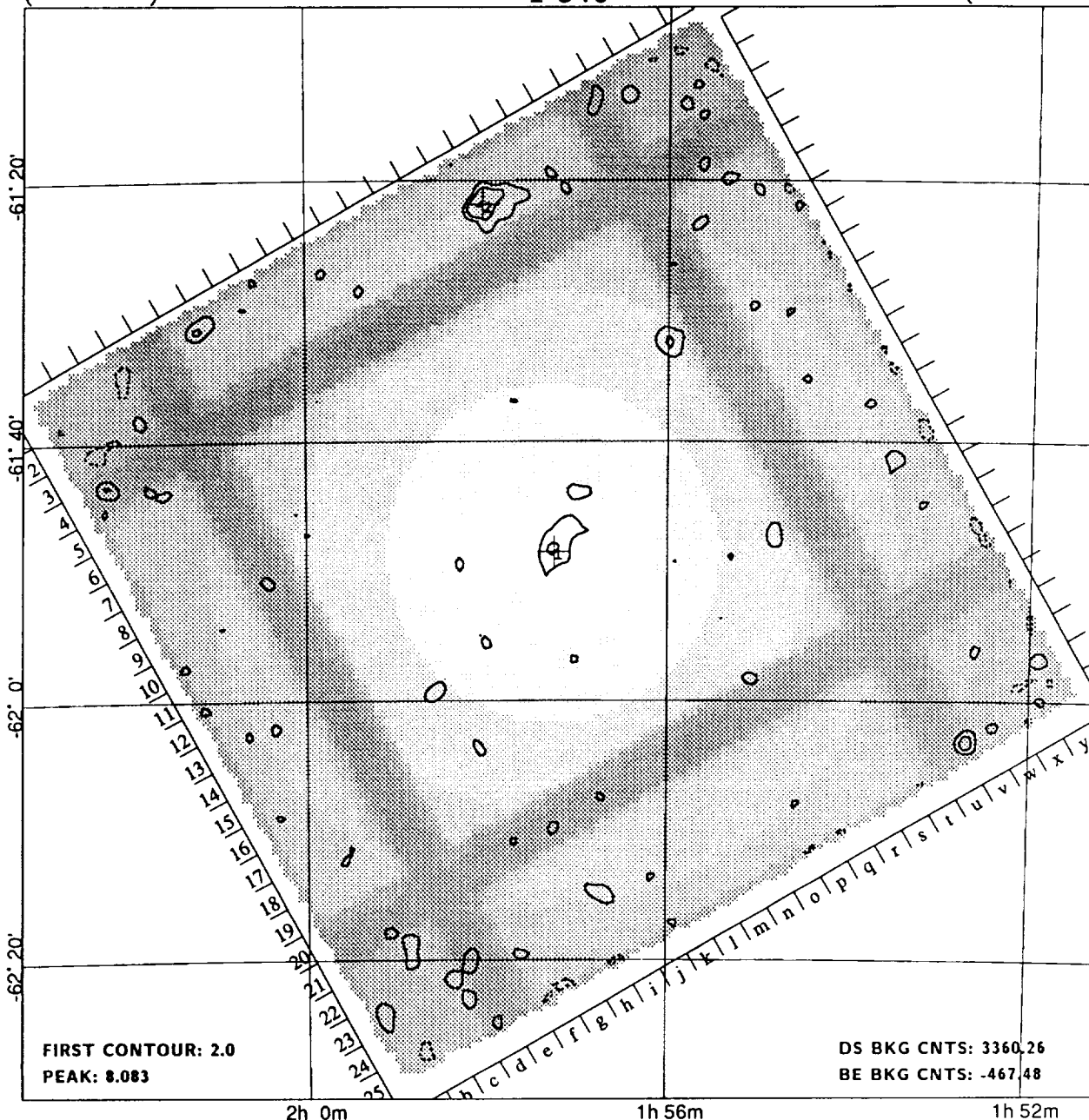
DATE: 1979/201 - 1979/201
 LIVETIME: 858.6s
 ROLL ANGLE: -70.3°

NH: $6.2\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(1h 57m)

I 846

(1h 57m)



ALPHA HYI STELLAR OBSERVATIONS, F STARS

FIELD CENTER: 01^h57^m11.7^s -61°48'44" (B1950)
 01^h58^m44.4^s -61°34'11" (J2000)
 l : 289.45 b : -53.76

DATE: 1979/144 - 1979/144
 LIVETIME: 2722.9s
 ROLL ANGLE: -29.4°

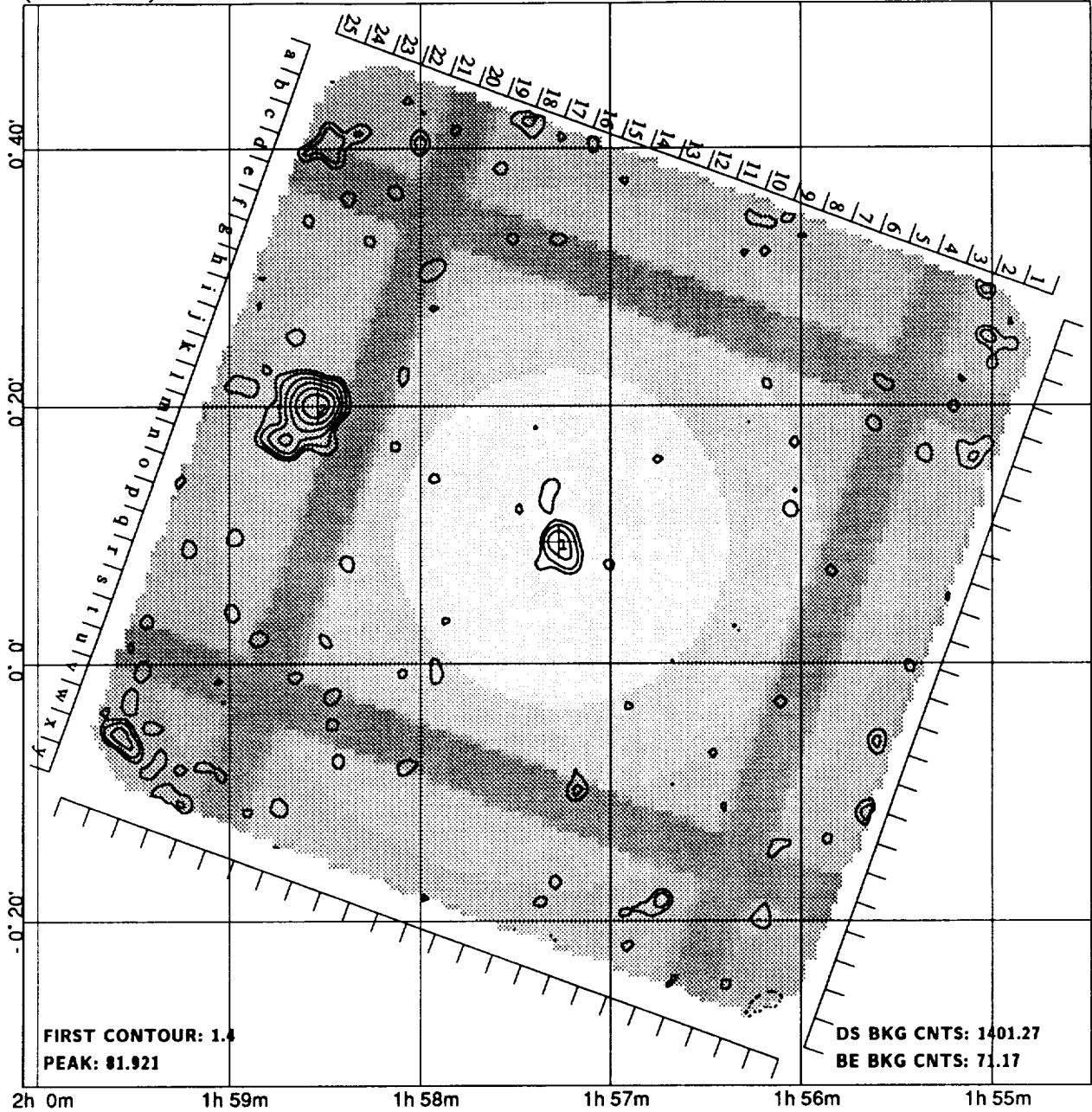
NH: 3.1E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC	ID
508	1	01 57 15.3	-61 48 35	41	0.0096	0.0025	19.5	6.5	3.8	1.1	0	0.4	H	S
512	2	01 58 02.5	-61 21 54	55	0.0162	0.0044	17.4	4.6	3.7	1.2	0	27.5	H	

(1h 57m)

I 5335

(1h 57m)



SURVEY OF BRIGHT QUASARS (PG)

FIELD CENTER: $01^h 57^m 16.6^s$ $00^{\circ} 09' 13''$ (B1950)
 $01^h 59^m 50.5^s$ $00^{\circ} 23' 45''$ (J2000)
 $l: 156.57$ $b: -57.94$

DATE: 1980/ 21 - 1980/ 21
 LIVETIME: 1135.5s
 ROLL ANGLE: 109.9°

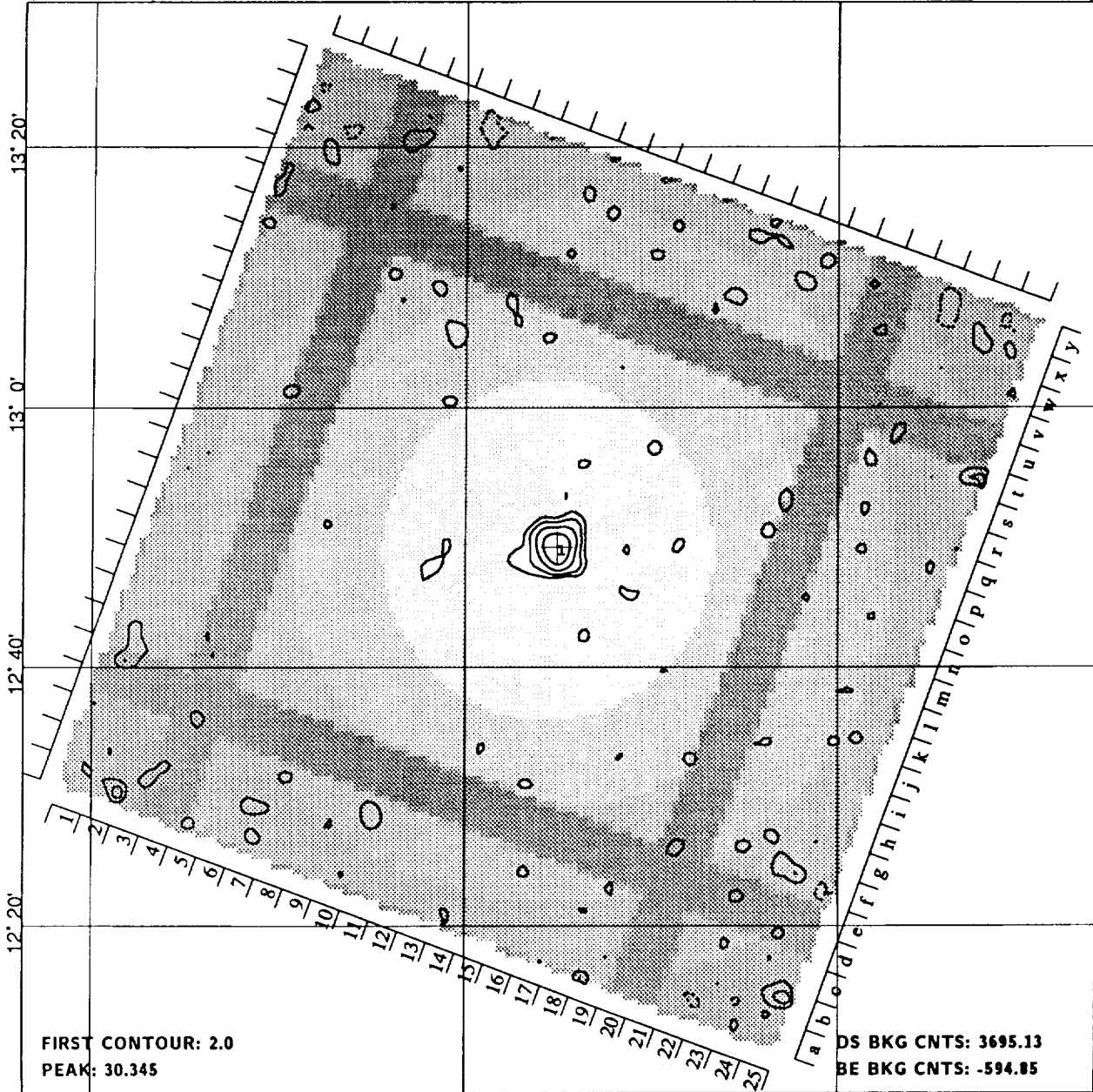
NH: $2.0E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
509	1	01 57 16.3	00 09 29	35	0.0368	0.0070	31.2	3.8	5.3	1.1	0	0.4	H Q
513	2	01 58 32.4	00 19 58	47	0.370	0.026	201.4	2.6	14.1	1.3	200	21.9	H

(1h 57m)

I 7710

(1h 57m)



2h 0m

1h 58m

1h 56m

L1159-16, NEARBY STARS

FIELD CENTER: $01^h 57^m 30.0^s$ $12^\circ 49' 11''$ (B1950)
 $02^h 00^m 11.4^s$ $13^\circ 03' 42''$ (J2000)
 $l: 147.64$ $b: -46.48$

DATE: 1980/196 - 1980/198
 LIVETIME: 2994.3s
 ROLL ANGLE: -69.9°

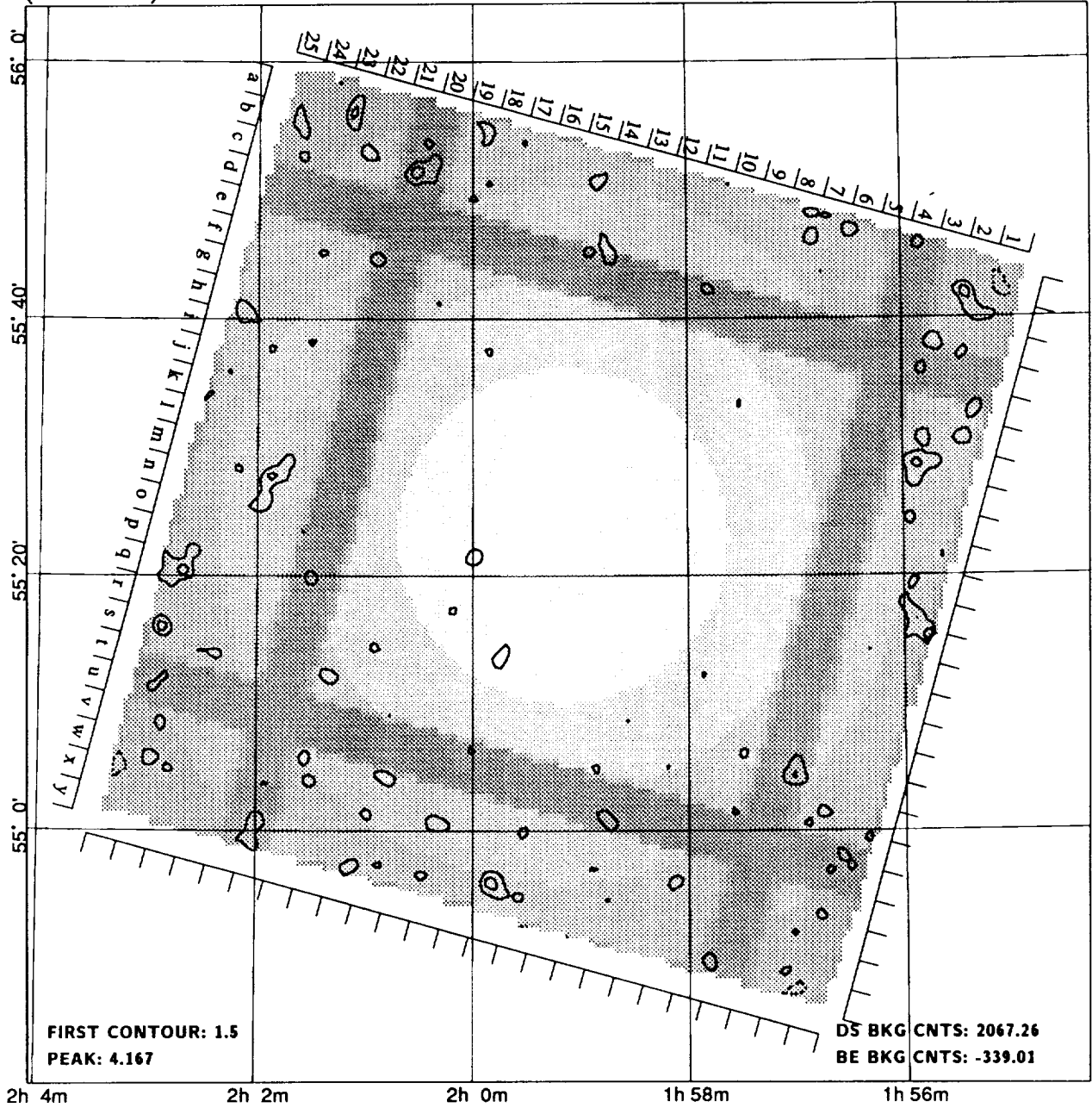
NH: $5.7E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
510	1	01 57 30.3	12 49 12	31	0.0604	0.0053	134.6	7.4	11.3	1.4	0	0.2	H	

(1h 59m)

I 3283

(1h 59m)



CANDIDATE X-RAY BINARY SOURCES: HD 12323

FIELD CENTER: $01^{\text{h}}59^{\text{m}}12.0^{\text{s}}$ $55^{\circ}22'29''$ (B1950)
 $02^{\text{h}}02^{\text{m}}34.7^{\text{s}}$ $55^{\circ}36'55''$ (J2000)
 $l: 132.92$ $b: -5.87$

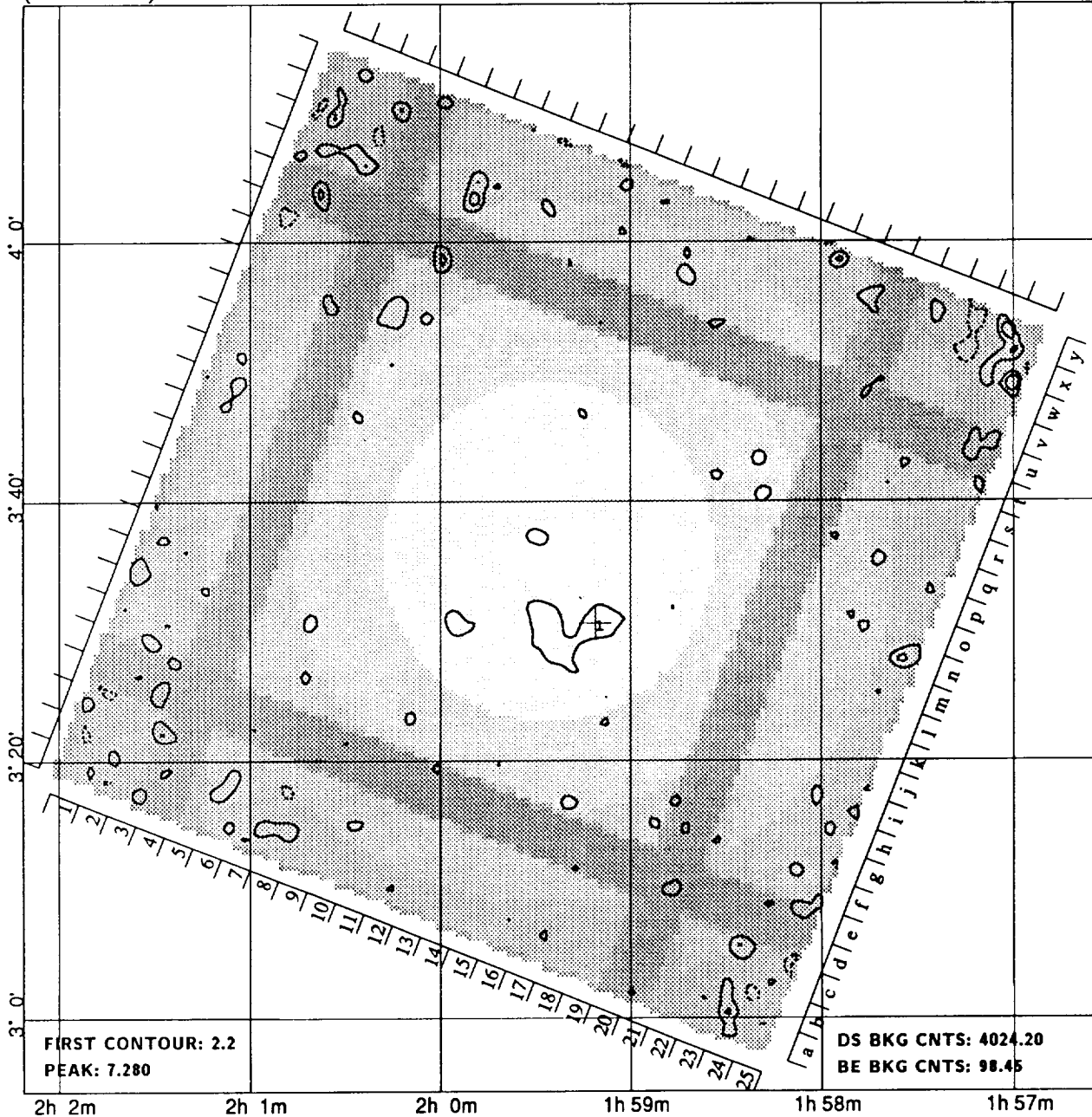
DATE: 1979/ 23 - 1979/ 23
 LIVETIME: 1675.2s
 ROLL ANGLE: 105.3°

NH: $2.6\text{E}+21$
 REF/ID:
 FIELD FLAGS:

(1h 59m)

I 8461

(1h 59m)



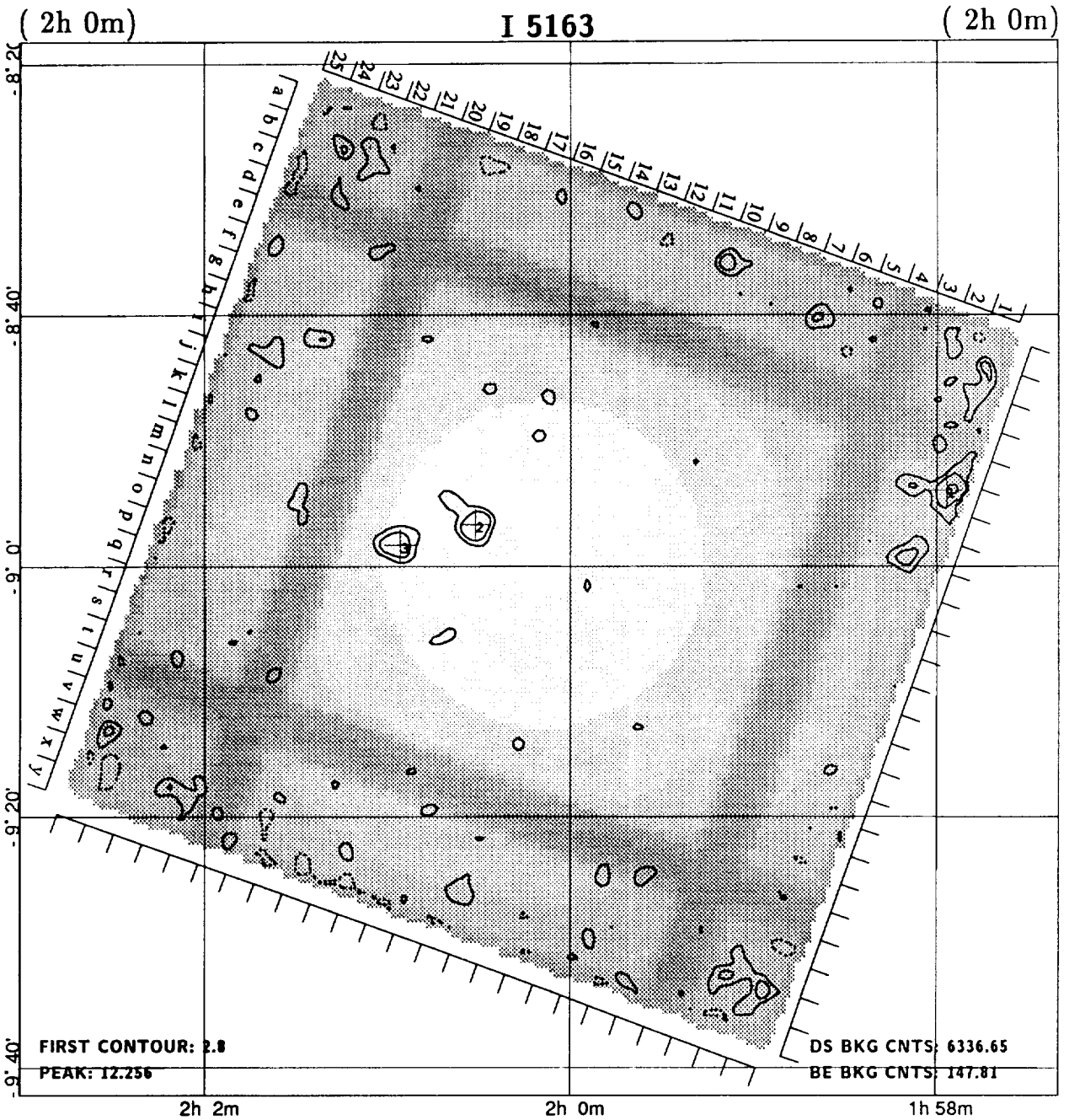
OPTICALLY SELECTED QSO'S: MCS 154

FIELD CENTER: $01^{\text{h}}59^{\text{m}}23.0^{\text{s}}$ $03^{\circ}36'17''$ (B1950)
 $02^{\text{h}}01^{\text{m}}58.9^{\text{s}}$ $03^{\circ}50'44''$ (J2000)
 $l: 154.43$ $b: -54.65$

DATE: 1980/195 - 1980/195
 LIVETIME: 3260.9s
 ROLL ANGLE: -68.6°

NH: $3.9\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
514	1	01 59 11.1	03 30 31	45	0.0091	0.0024	20.8	10.2	3.7	2.6	0	6.5		CLG



EMPTY FIELD (MISPOINT)

FIELD CENTER: 02^h00^m10.0^s -09°00'13" (B1950)
 02^h02^m38.5^s -08°45'48" (J2000)
 $l: 168.76$ $b: -65.09$

DATE: 1980/ 20 - 1980/ 20
LIVETIME: 5134.8s
ROLL ANGLE: 109.7°

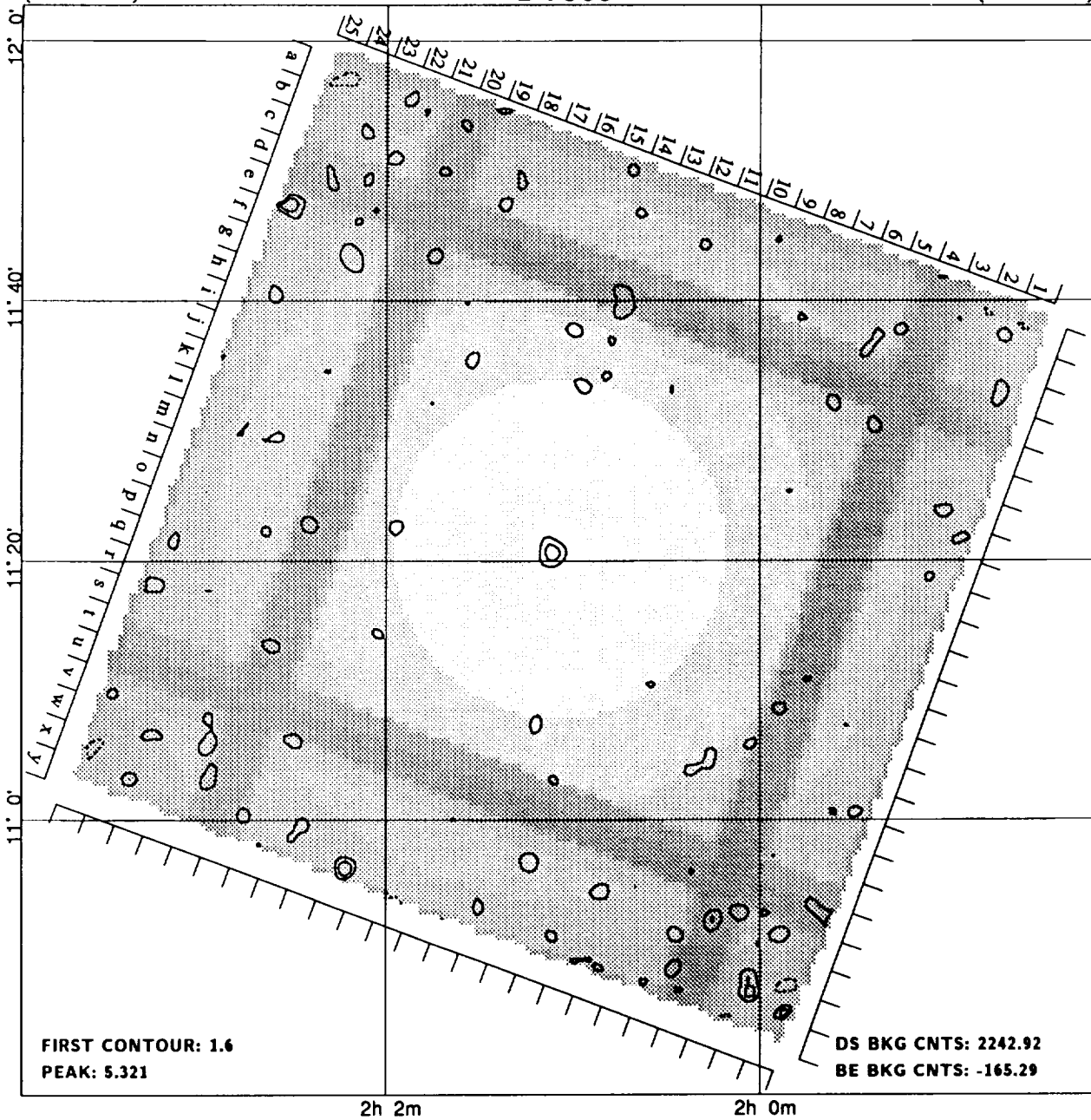
NH: 2.1E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
511	1	01 57 56.7	-08 53 56	55	0.0148	0.0038	22.0	9.0	4.0	1.5	700	33.3	H
516	2	02 00 31.4	-08 56 43	41	0.0127	0.0022	46.0	16.0	5.8	1.1	0	6.3	H
517	3	02 00 55.9	-08 58 21	42	0.0103	0.0021	34.0	13.0	5.0	0.9	0	11.5	H

(2h 1m)

I 7509

(2h 1m)



PKS 0201+113, IDENTIFICATION OF NEW BL LAC OBJECTS

FIELD CENTER: 02^h01^m05.2^s 11°20'44" (B1950)
 02^h03^m45.8^s 11°35'07" (J2000)
 l : 149.68 b : -47.50

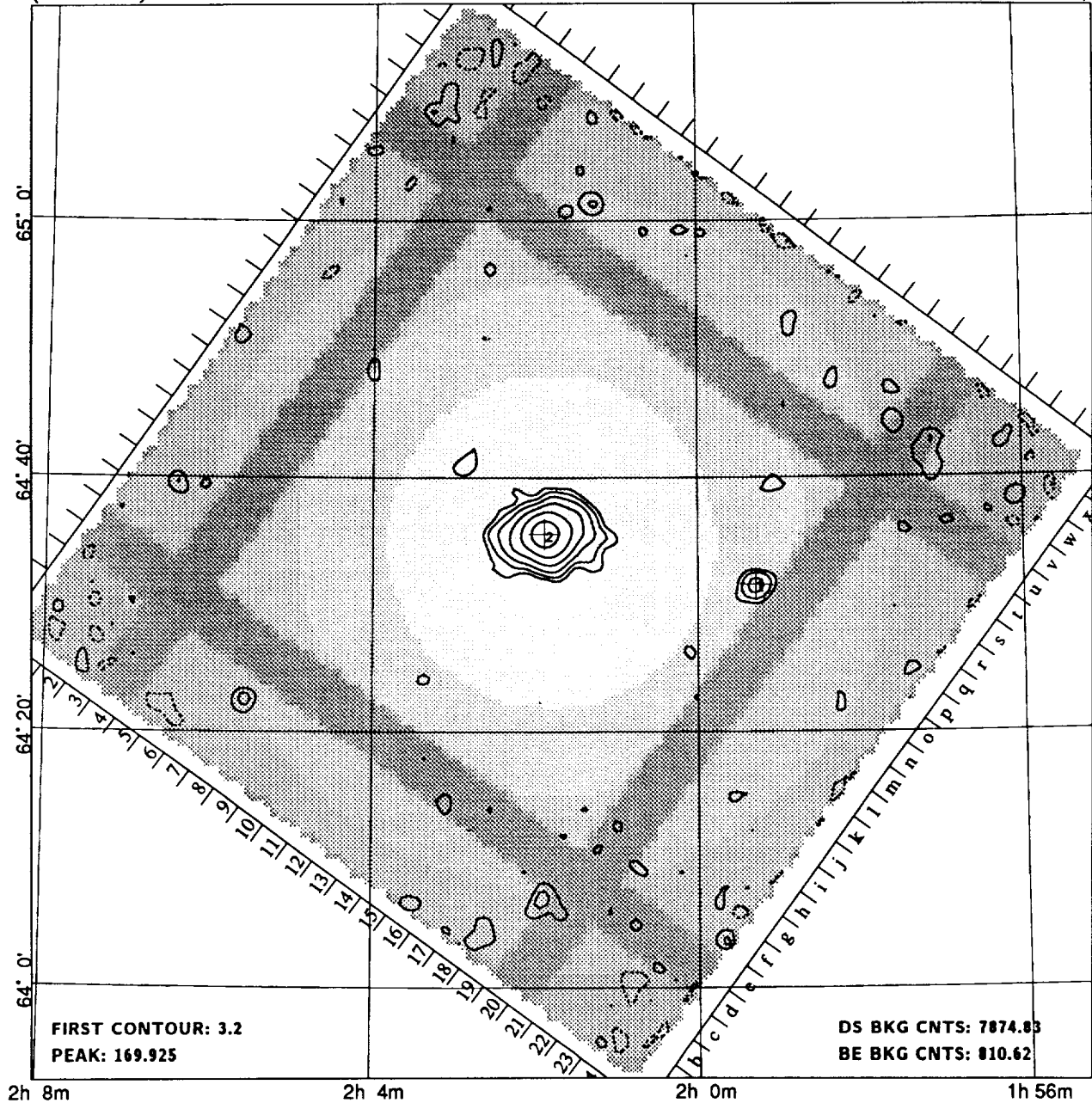
DATE: 1990/ 10 - 1990/ 10
 LIVETIME: 1817.5s
 ROLL ANGLE: 110.3°

NH: 6.1E+20
 REF/ID:
 FIELD FLAGS:

(2h 1m)

I 1658

(2h 1m)



CRAB-LIKE SNR 3C58

FIELD CENTER: $02^h 01^m 40.0^s$ $64^\circ 34' 59''$ (B1950)
 $02^h 05^m 26.3^s$ $64^\circ 49' 19''$ (J2000)
 $l: 130.70$ $b: 3.07$

DATE: 1979/239 - 1979/239
 LIVETIME: 6381.2s
 ROLL ANGLE: -54.0°

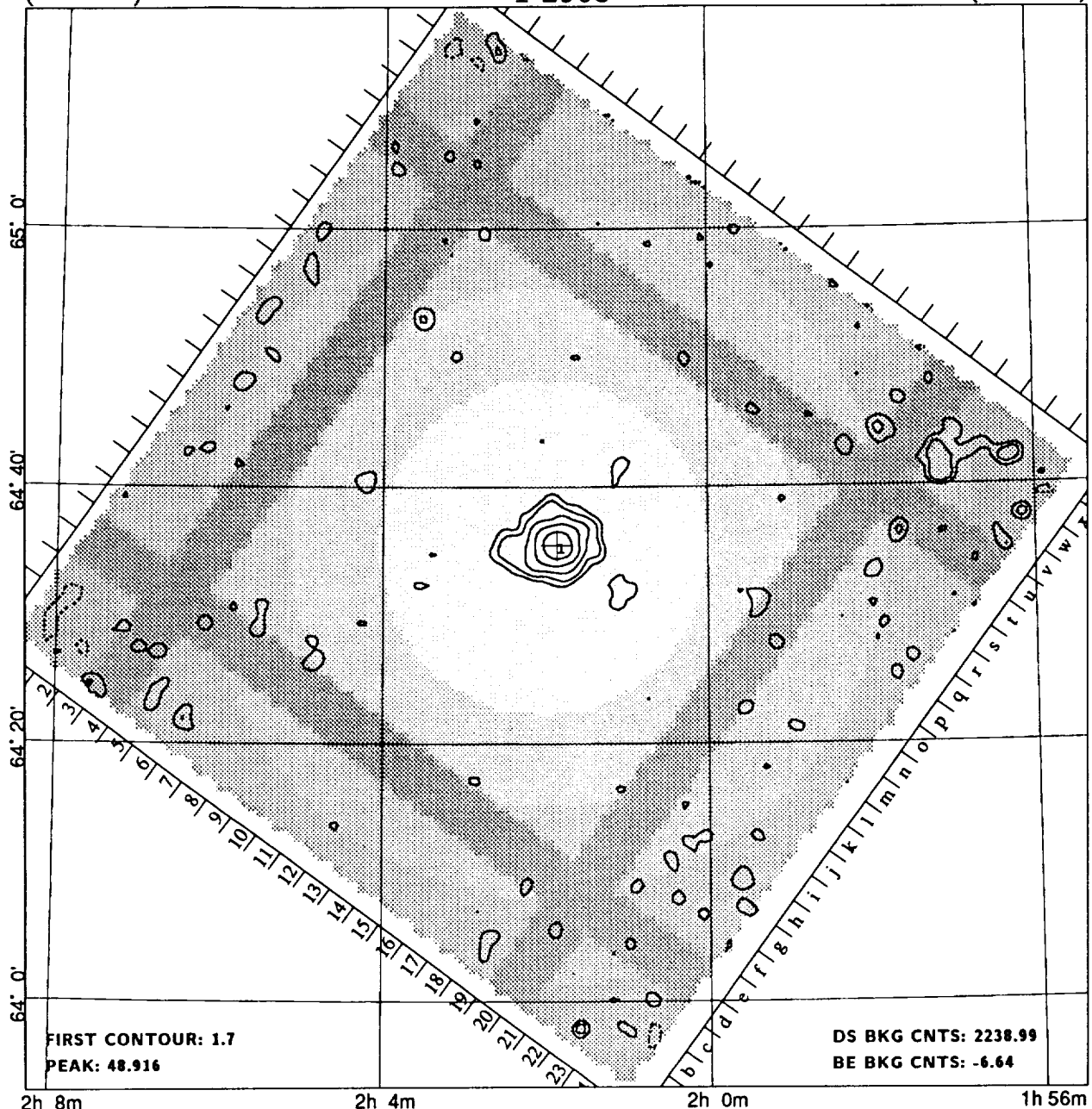
NH: $6.5E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
515	1	01 59 17.2	64 31 34	50	0.0132	0.0022	48.1	15.9	6.0	0.8	400	15.5	H	
518	2	02 01 53.3	64 35 33	31	0.1553	0.0058	737.9	20.1	26.8	2.0	0	1.6	AH	SNR

(2h 1m)

I 2903

(2h 1m)



HISTORICAL SUPERNOVAE: SN 1181? IN G130.7+3.1(3C58)

FIELD CENTER: 02^h01^m53.0^s 64°35'17" (B1950)
 02^h05^m39.4^s 64°49'36" (J2000)
 l : 130.72 b : 3.08

DATE: 1979/239 - 1979/239
 LIVETIME: 1814.3s
 ROLL ANGLE: -54.0°

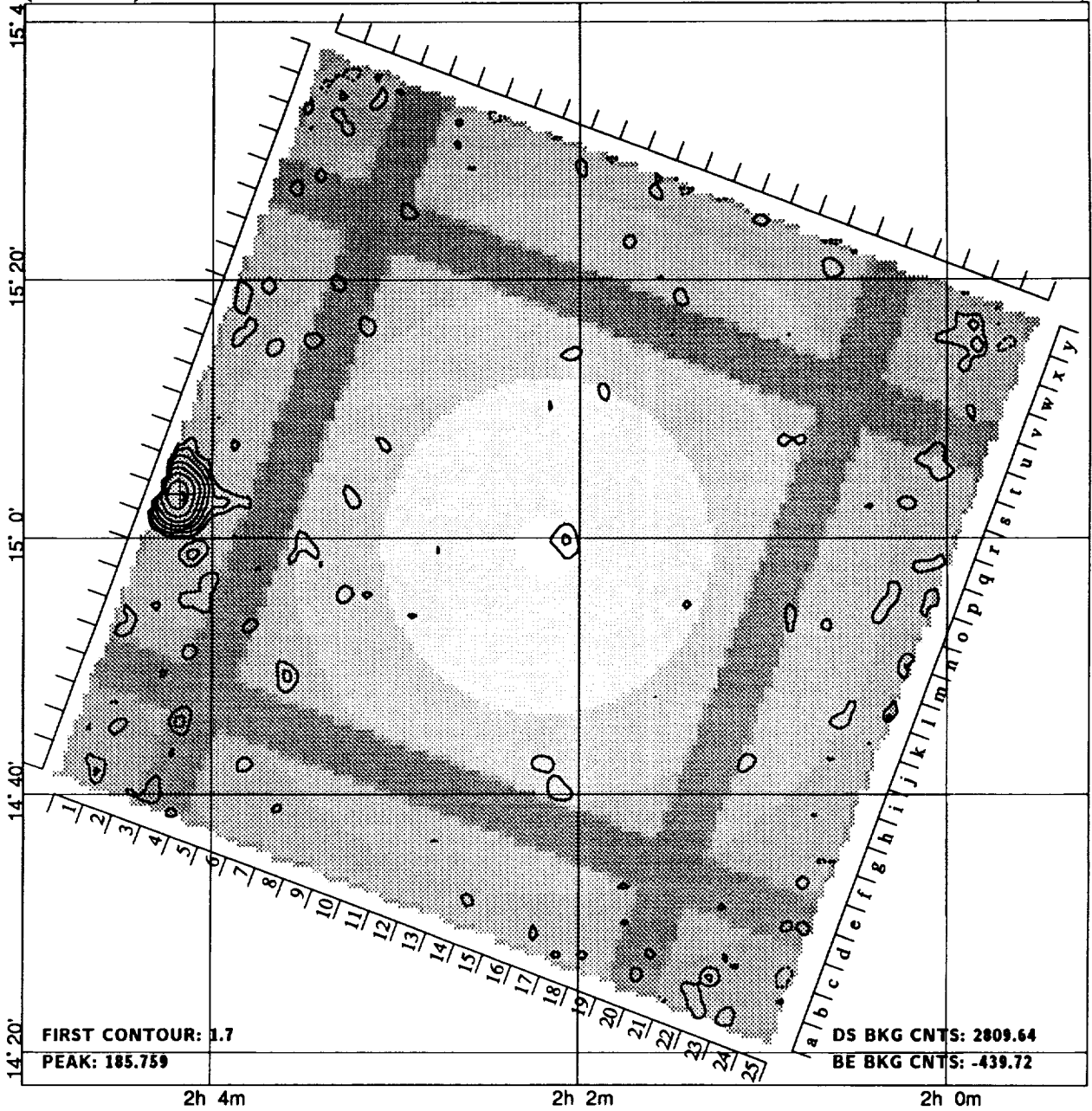
NH: 6.5E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
518	1	02 01 51.4	64 35 25	31	0.163	0.011	219.4	5.6	14.6	1.8	0	0.2	AH	SNR

(2h 2m)

I 7284

(2h 2m)



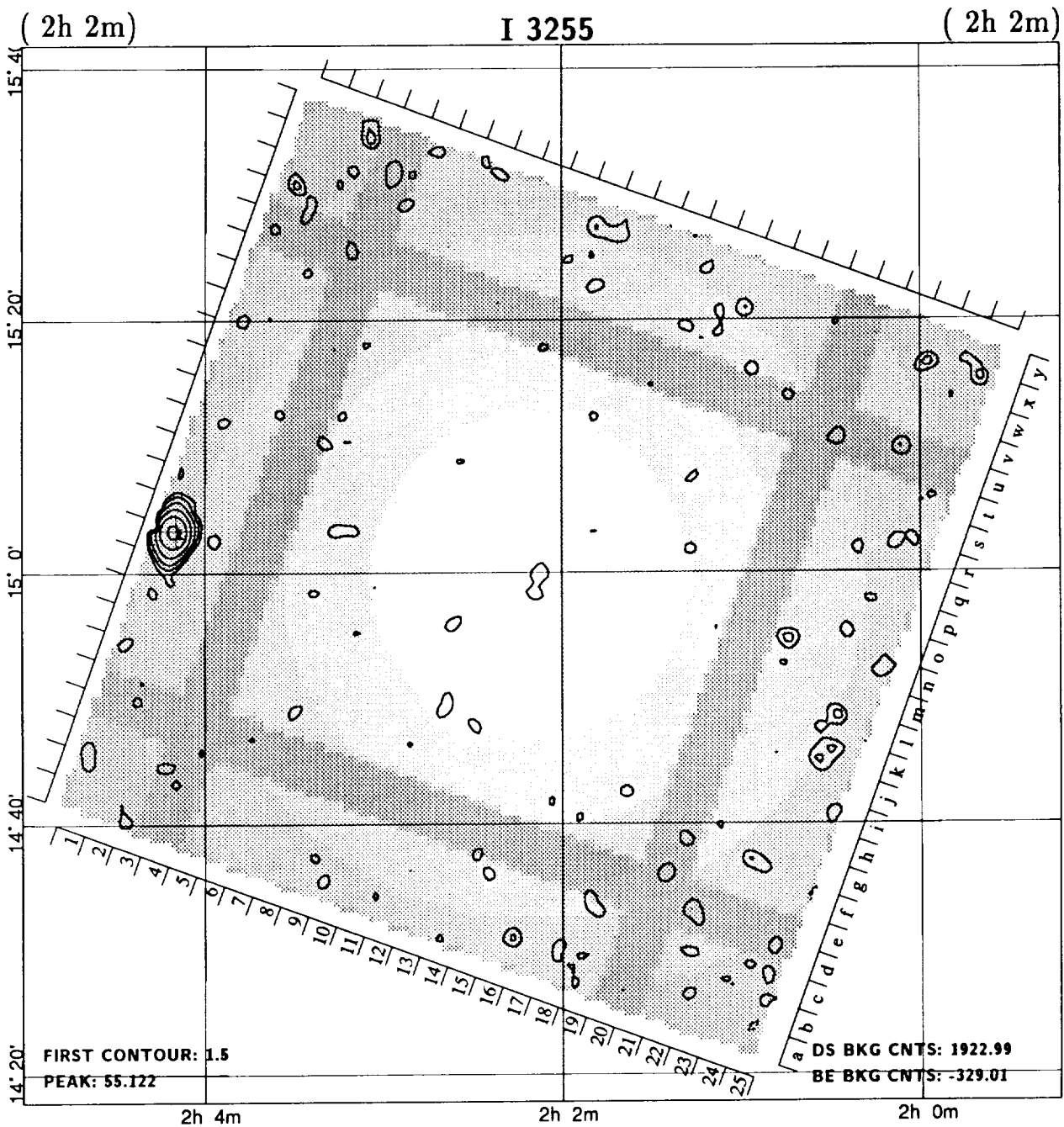
0202+14, LOW FREQ. VAR. EXTRAGAL. RADIO SOURCE

FIELD CENTER: 02^h02^m07.3^s 14°59'29" (B1950)
 02^h04^m50.3^s 15°13'50" (J2000)
 l : 147.93 b : -44.05

DATE: 1980/217 - 1980/217
 LIVETIME: 2276.7s
 ROLL ANGLE: -69.7°

NH: 5.9E+20
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
522	1	02 04 10.6	15 03 27	47	0.450 0.024	360.7	3.3	18.9	1.2	500	30.0	AH S



0202+14: EXTRAGALACTIC STRONG MILLIMETER SOURCES

FIELD CENTER: $02^h 02^m 07.4^s$ $14^\circ 59' 50''$ (B1950)
 $02^h 04^m 50.4^s$ $15^\circ 14' 11''$ (J2000)
 $l: 147.93$ $b: -44.04$

DATE: 1979/203 - 1979/204
 LIVETIME: 1559.2s
 ROLL ANGLE: -70.2°

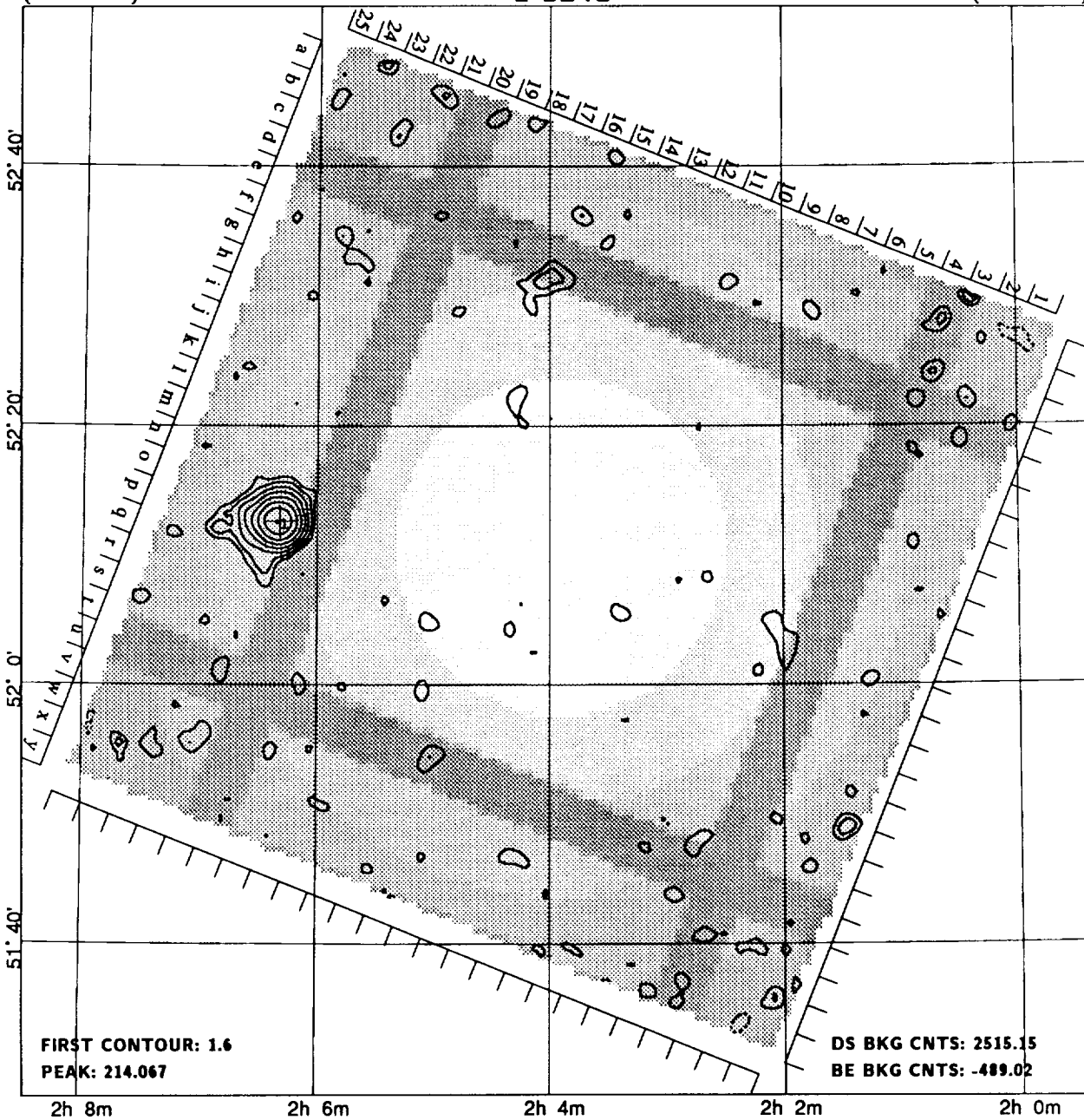
NH: $5.8E+20$
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	FLG
522	1	02 04 09.8	15 03 23	48	0.189	0.018	106.8	2.2	10.2	1.1	400	30.0	AH	S

(2h 3m)

I 1241

(2h 3m)



H & CHI PERSEI GALACTIC PLANE SURVEY

FIELD CENTER: 02^h03^m57.9^s 52°10'20" (B1950)
 02^h07^m16.7^s 52°24'35" (J2000)
 l : 134.50 b : -8.75

DATE: 1979/ 33 - 1979/ 33
 LIVETIME: 2038.1s
 ROLL ANGLE: 111.5°

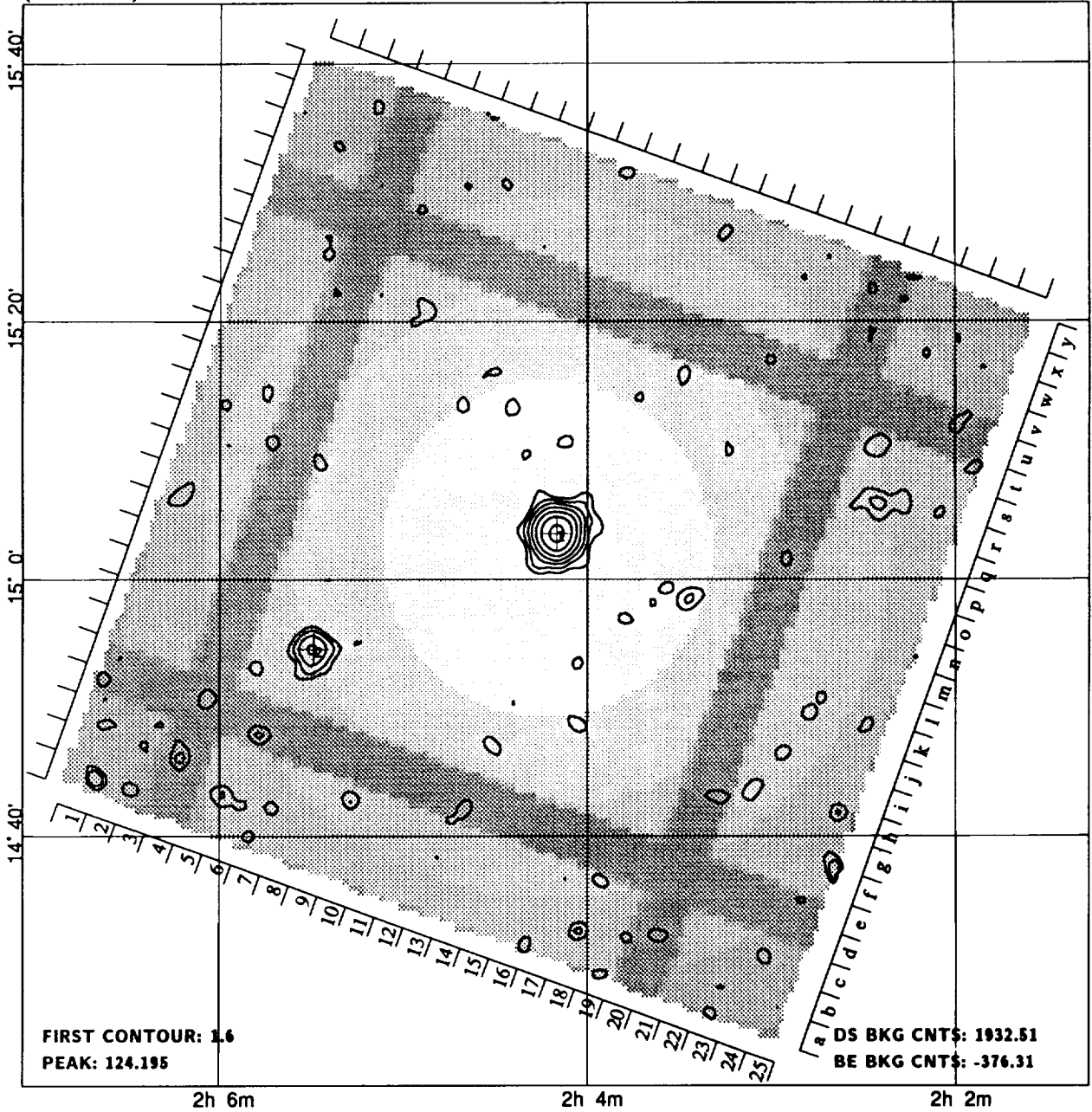
NH: 1.7E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
534	1	02 06 19.2	52 12 33	47	0.561	0.024	541.2	2.8	23.2	1.2	500	21.9	H	SY

(2h 4m)

I 3187

(2h 4m)



NOVA OR NOVA-LIKE OBJ.: TT ARI

FIELD CENTER: 02^h04^m10.0^s 15°02'36" (B1950)
 02^h06^m53.2^s 15°16'52" (J2000)
 l : 148.54 b : -43.81

DATE: 1979/204 - 1979/204
 LIVETIME: 1566.0s
 ROLL ANGLE: -70.3°

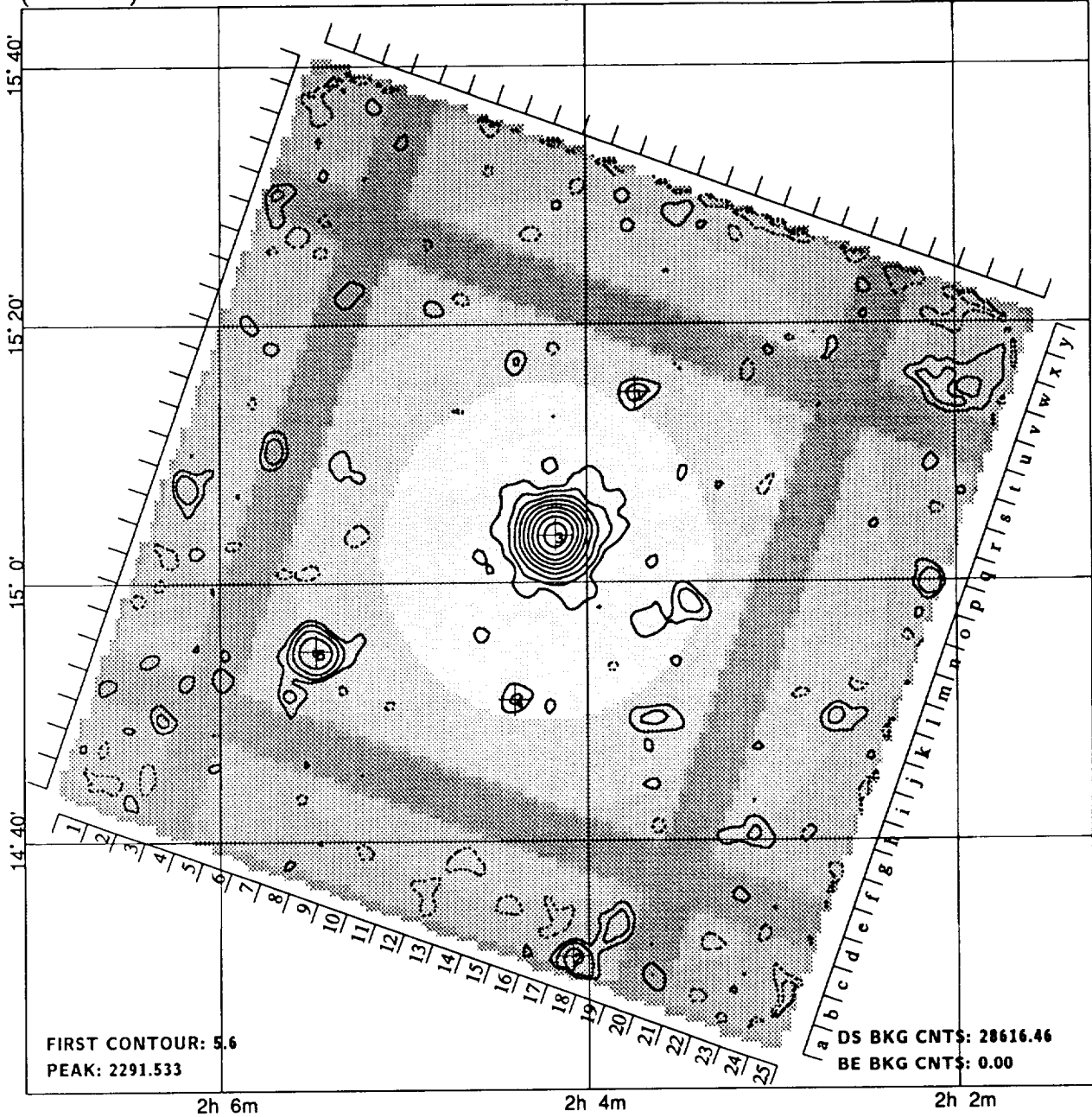
NH: 6.1E+20
 REF/ID: CV
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
522	1	02 04 10.2	15 03 33	31	0.460 0.020	533.7	3.3	23.0	1.2	0	0.9	AH	S
528	2	02 05 29.5	14 54 36	50	0.0444 0.0077	35.4	2.6	5.7	1.1	0	20.9	AH	

(2h 4m)

I 7614

(2h 4m)



TT ARI,CATAclySMIC VARIABLES

FIELD CENTER: 02^h04^m10.0^s 15°02'36" (B1950)
 02^h06^m53.2^s 15°16'52" (J2000)
l: 148.54 *b*: -43.81

DATE: 1980/201 - 1980/202
 LIVETIME: 23188.7s
 ROLL ANGLE: -70.4°

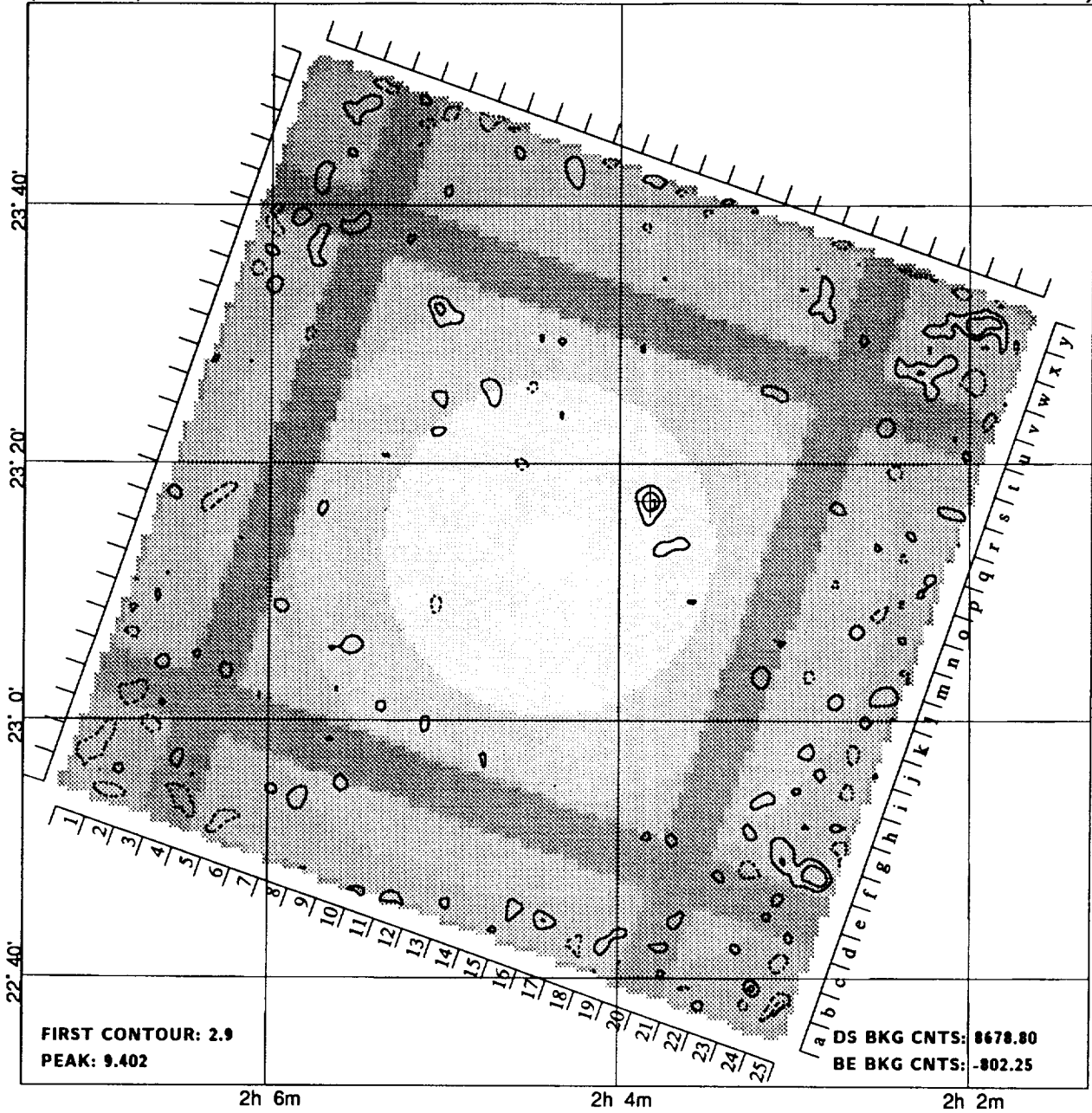
NH: 6.1E+20
 REF/ID: CV
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
519	1L	02 03 44.1	15 14 41	43	0.00369	0.00093	51.5	57.5	3.9	0.8	0	13.6		
521	2L	02 04 05.1	14 31 00	52	*0.0063	0.0017	50.8	43.7	3.8	1.6	501	31.6	I	
522	3L	02 04 10.3	15 03 40	31	0.5274	0.0065	9053.0	790.0	81.0	1.3	0	1.1	A	S
523	4L	02 04 23.9	14 50 56	42	0.00406	0.00090	60.5	58.5	4.4	0.7	0	12.3		
528	5L	02 05 28.7	14 54 39	47	0.0209	0.0018	249.5	85.5	11.5	1.3	0	20.6	A	

(2h 4m)

I 852

(2h 4m)



ALPHA ARI (HAMAL) STELLAR OBSERVATIONS, K STARS

FIELD CENTER: $02^{\text{h}}04^{\text{m}}20.9^{\text{s}}$ $23^{\circ}13'36''$ (B1950)
 $02^{\text{h}}07^{\text{m}}09.7^{\text{s}}$ $23^{\circ}27'51''$ (J2000)
 $l: 144.57$ $b: -36.20$

DATE: 1979/206 - 1979/206
 LIVETIME: 7032.7s
 ROLL ANGLE: -70.8°

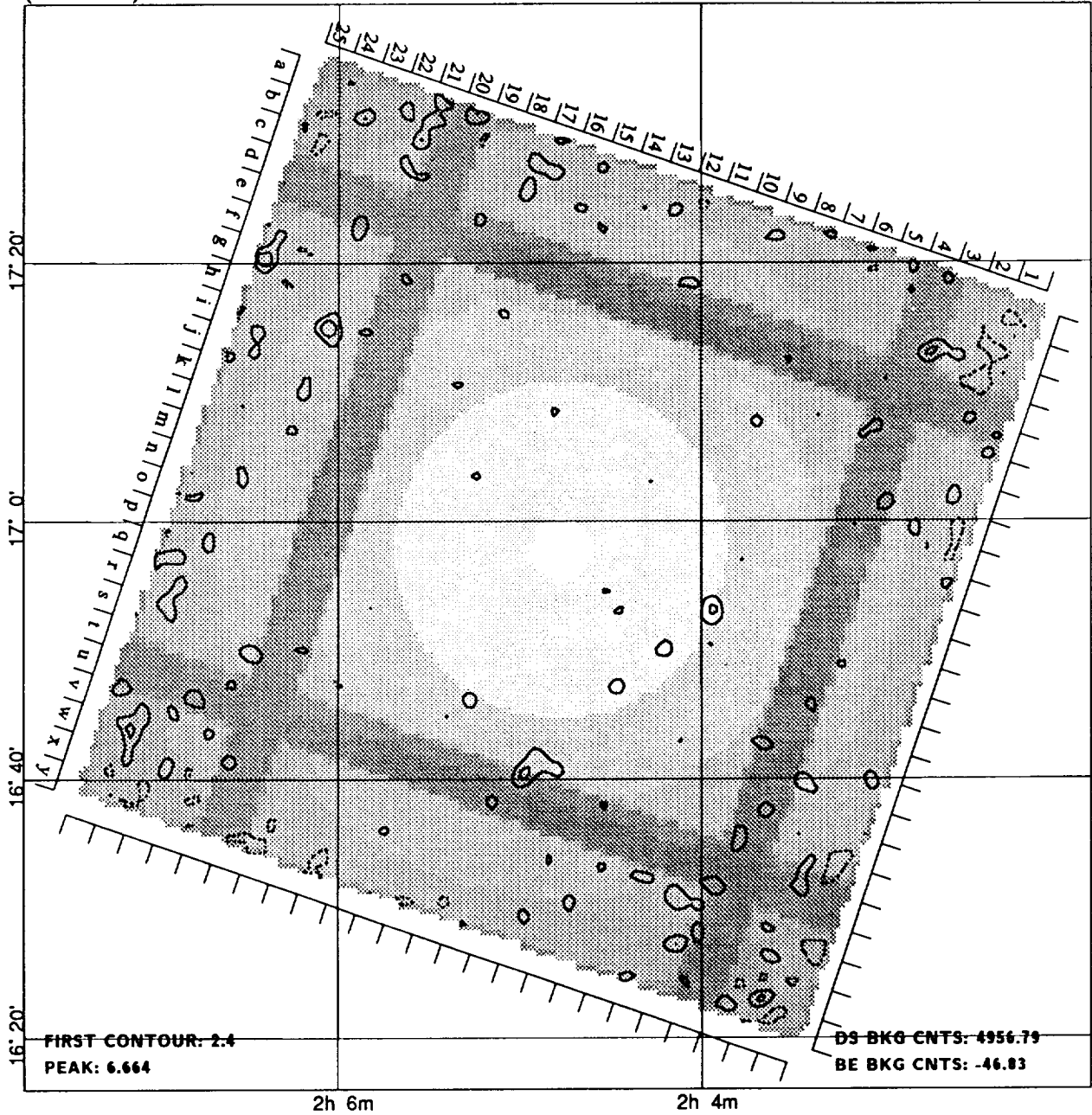
NH: $7.3E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
520	1	02 03 49.5	23 17 05	42	0.0053	0.0014	25.1	16.9	3.9	0.7	0	8.1	

(2h 4m)

I 6338

(2h 4m)



N 817, EMISSION LINE GALAXY SURVEY

FIELD CENTER: 02^h04^m48.0^s 16°57'59" (B1950)
 02^h07^m32.5^s 17°12'13" (J2000)
 l : 147.70 b : -41.98

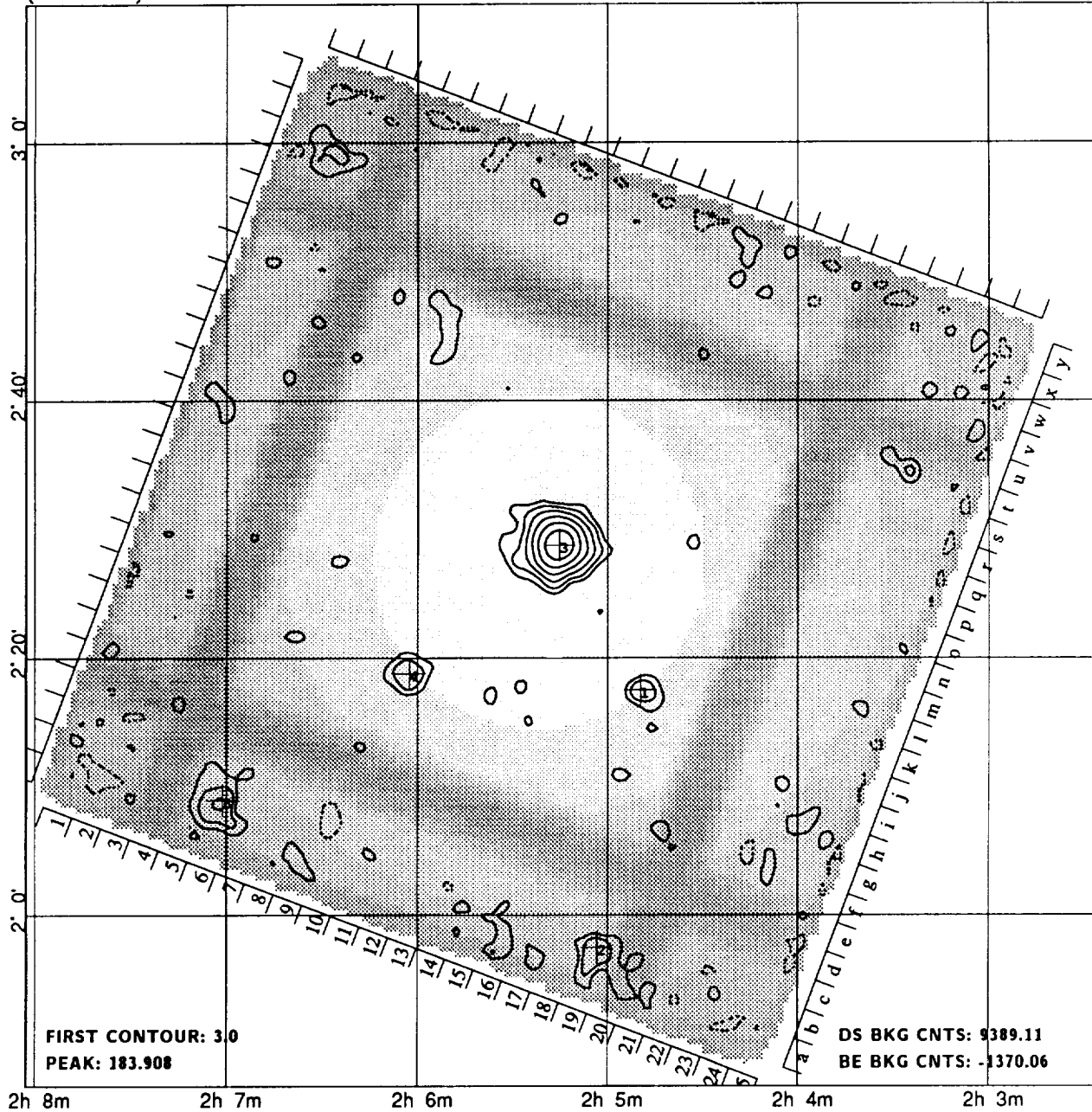
DATE: 1980/ 11 - 1980/ 11
 LIVETIME: 4016.6s
 ROLL ANGLE: 108.8°

NH: 6.7E+20
 REF/ID:
 FIELD FLAGS:

(2h 5m)

I 3978

(2h 5m)



NAB 0205+024, BRIGHT OPTICALLY-SELECTED QUASAR

FIELD CENTER: 02^h05^m14.6^s 02°28'42" (B1950)
 02^h07^m49.9^s 02°42'56" (J2000)
 l : 157.60 b : -54.93

DATE: 1979/201 - 1979/201
 LIVETIME: 7608.2s
 ROLL ANGLE: -69.4°

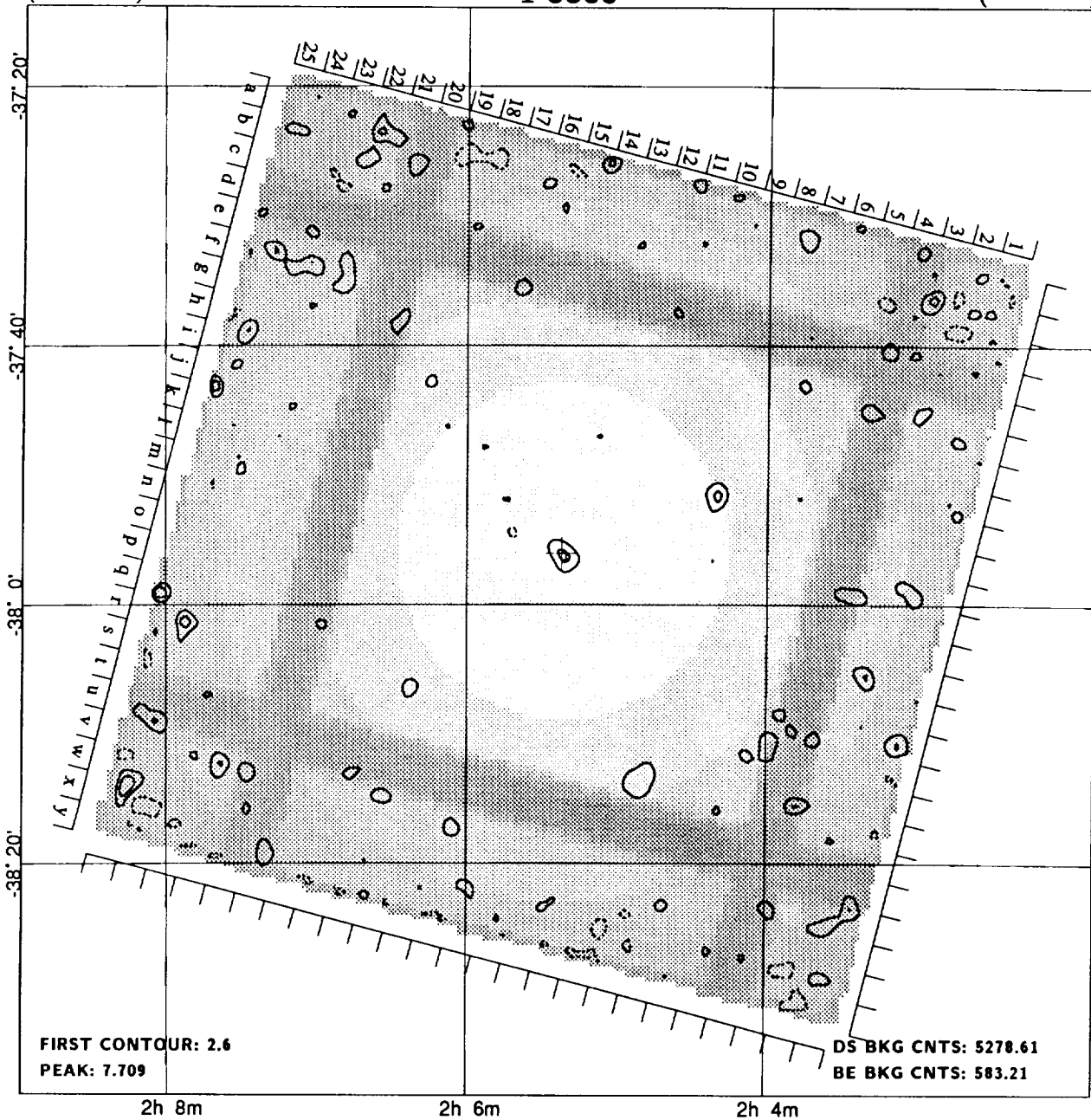
NH: 3.3E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
524	1	02 04 49.6	02 17 30	42	0.0069 0.0014	33.2	14.8	4.8	0.9	0	12.7	H	
525	2	02 05 03.3	01 57 26	55	*0.0101 0.0024	26.3	12.7	4.2	1.7	703	32.0	H	
526	3	02 05 15.2	02 28 47	31	0.1446 0.0051	813.7	19.3	28.2	1.5	0	0.2	H	Q
530	4	02 06 02.6	02 18 48	51	0.0087 0.0016	41.1	16.9	5.4	1.0	0	15.2	H	
536	5	02 07 01.3	02 08 52	56	0.0114 0.0025	28.7	10.3	4.6	1.7	0	32.8	H	

(2h 5m)

I 5388

(2h 5m)



0205-379, COMPLETION OF OSMER-SMITH SAMPLE

FIELD CENTER: 02^h05^m24.0^s -37°55'59" (B1950)
 02^h07^m30.6^s -37°41'45" (J2000)
 l : 251.16 b : -70.84

DATE: 1980/ 21 - 1980/ 22
 LIVETIME: 4277.4s
 ROLL ANGLE: 104.5°

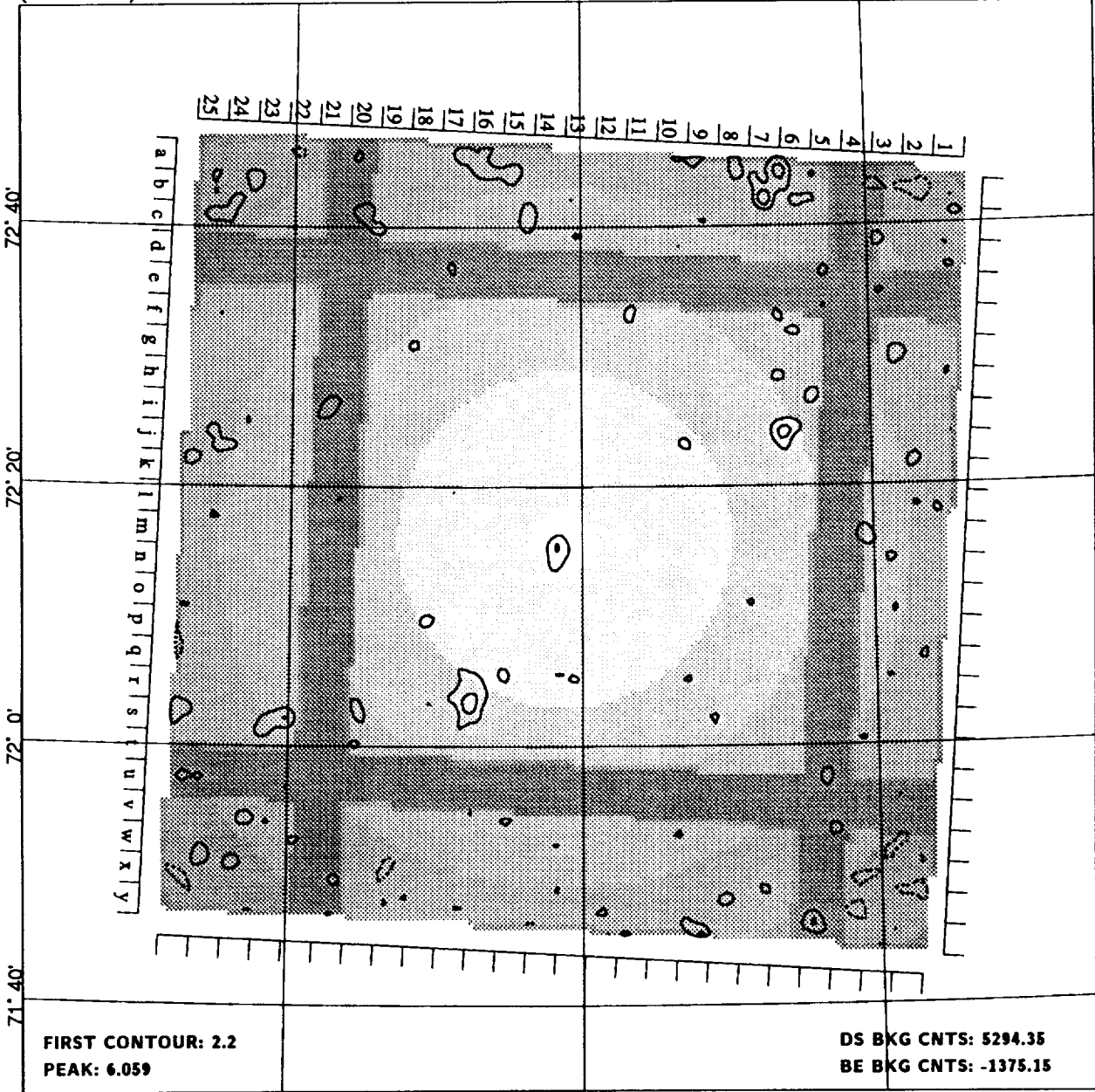
NH: 1.5E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
527	1	02 05 22.0	-37 55 58	37	0.0070	0.0019	22.4	14.6	3.7	0.7	0	0.4		Q

(2h 5m)

I 10240

(2h 5m)



EXTENDED EMISSION IN BL LAC OBJECTS

FIELD CENTER: $02^h 05^m 24.1^s$ $72^\circ 15' 25''$ (B1950)
 $02^h 09^m 49.0^s$ $72^\circ 29' 35''$ (J2000)
 $l: 128.82$ $b: 10.52$

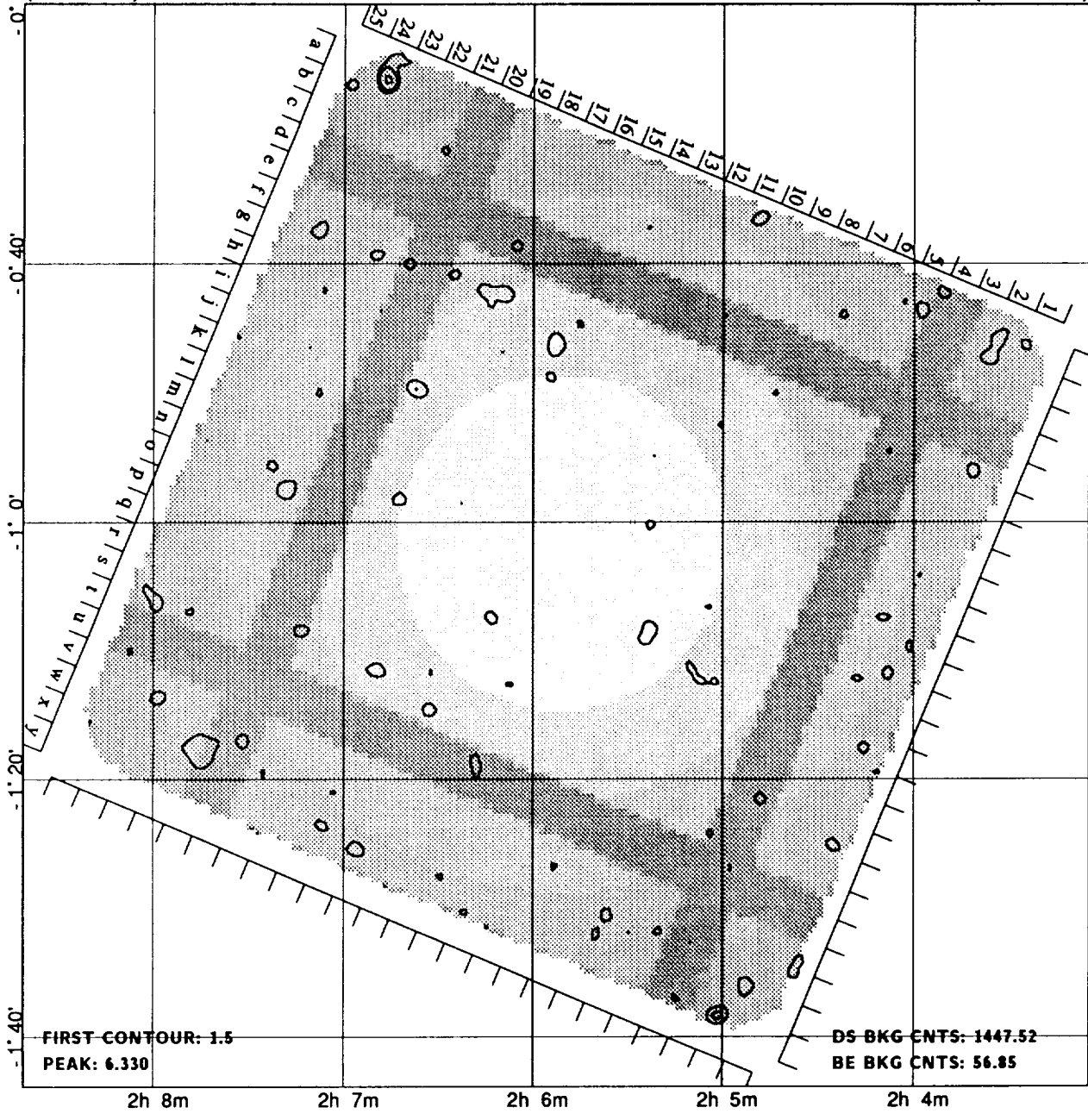
DATE: 1981/ 15 - 1981/ 15
 LIVETIME: 4290.1s
 ROLL ANGLE: 93.1°

NH: $3.1E+21$
 REF/ID:
 FIELD FLAGS:

(2h 5m)

I 5697

(2h 5m)



FIRST CONTOUR: 1.5
 PEAK: 6.330

DS BKG CNTS: 1447.52
 BE BKG CNTS: 56.85

FIELD CENTER: $02^h 05^m 53.0^s$ $-01^{\circ} 01' 56''$ (B1950)
 $02^h 08^m 26.2^s$ $-00^{\circ} 47' 44''$ (J2000)
 $l: 161.19$ $b: -57.83$

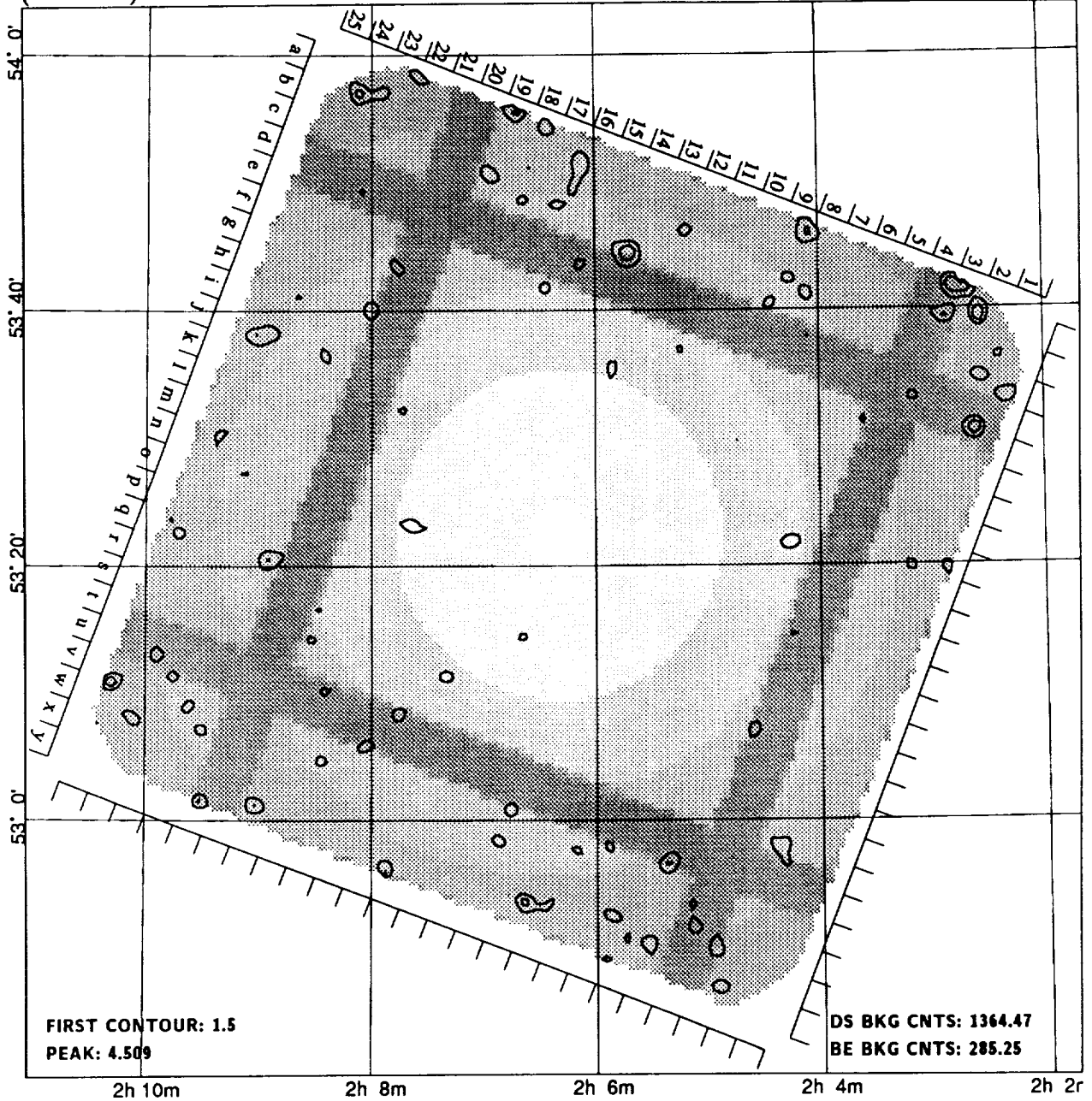
DATE: 1980/ 18 - 1980/ 19
 LIVETIME: 1173.0s
 ROLL ANGLE: 112.6°

NH: $2.7E+20$
 REF/ID:
 FIELD FLAGS:

(2h 6m)

I 1239

(2h 6m)



FIRST CONTOUR: 1.5
 PEAK: 4.509

DS BKG CNTS: 1364.47
 BE BKG CNTS: 285.25

H & CHI PERSEI GALACTIC PLANE SURVEY

FIELD CENTER: $02^h 06^m 23.0^s$ $53^\circ 22' 03''$ (B1950)
 $02^h 09^m 44.6^s$ $53^\circ 36' 13''$ (J2000)
 $l: 134.50$ $b: -7.50$

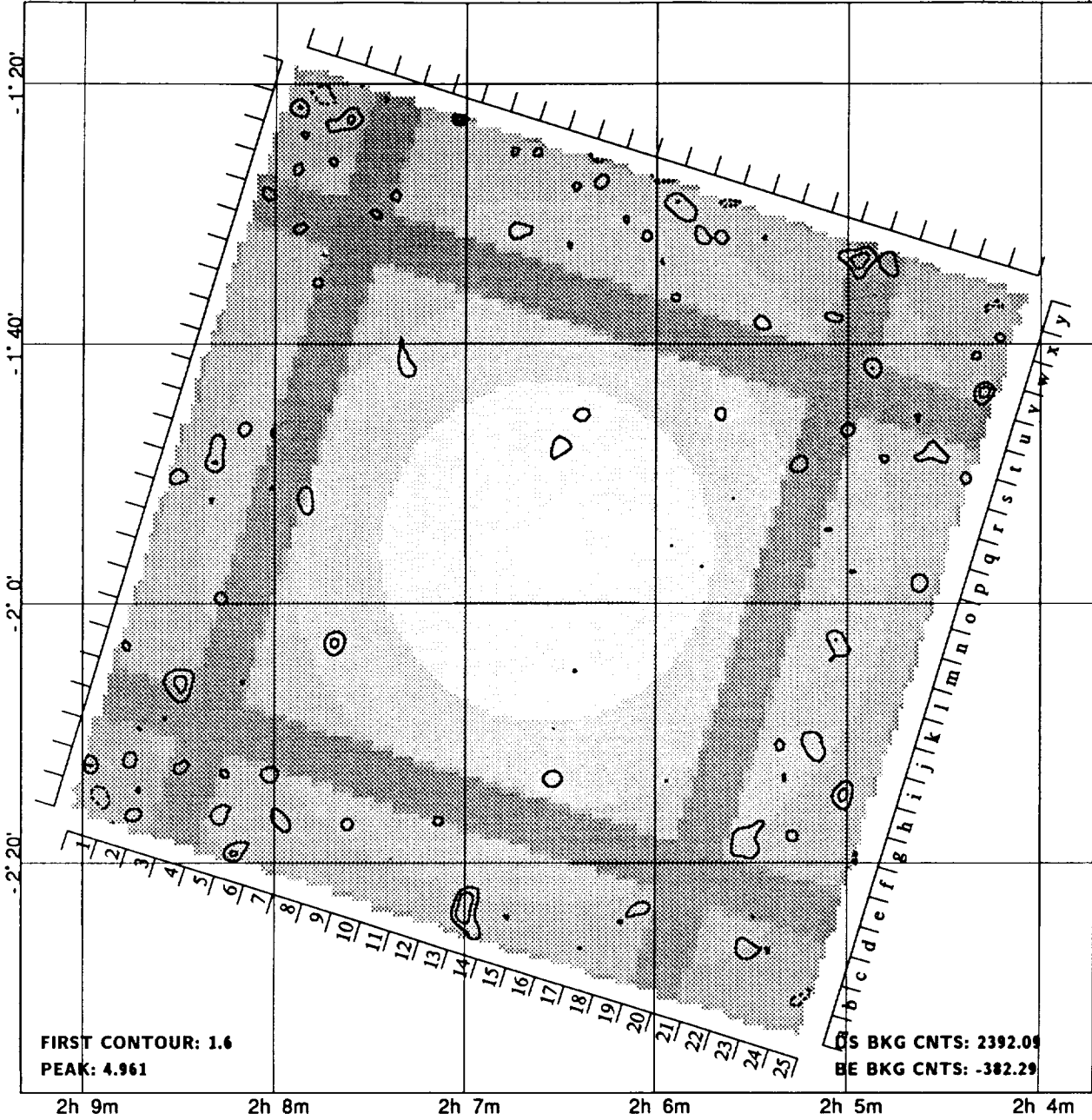
DATE: 1979/ 33 - 1979/ 33
 LIVETIME: 1105.7s
 ROLL ANGLE: 110.9°

NH: $1.9E+21$
 REF/ID:
 FIELD FLAGS:

(2h 6m)

I 7118

(2h 6m)



FIRST CONTOUR: 1.6
 PEAK: 4.961

S BKG CNTS: 2392.09
 BE BKG CNTS: -382.29

H0206-019, UNIDENTIFIED HEAO A2 SOURCE

FIELD CENTER: $02^{\text{h}}06^{\text{m}}31.2^{\text{s}}$ $-01^{\circ}55'47''$ (B1950)
 $02^{\text{h}}09^{\text{m}}03.8^{\text{s}}$ $-01^{\circ}41'37''$ (J2000)
 $l: 162.38$ $b: -58.49$

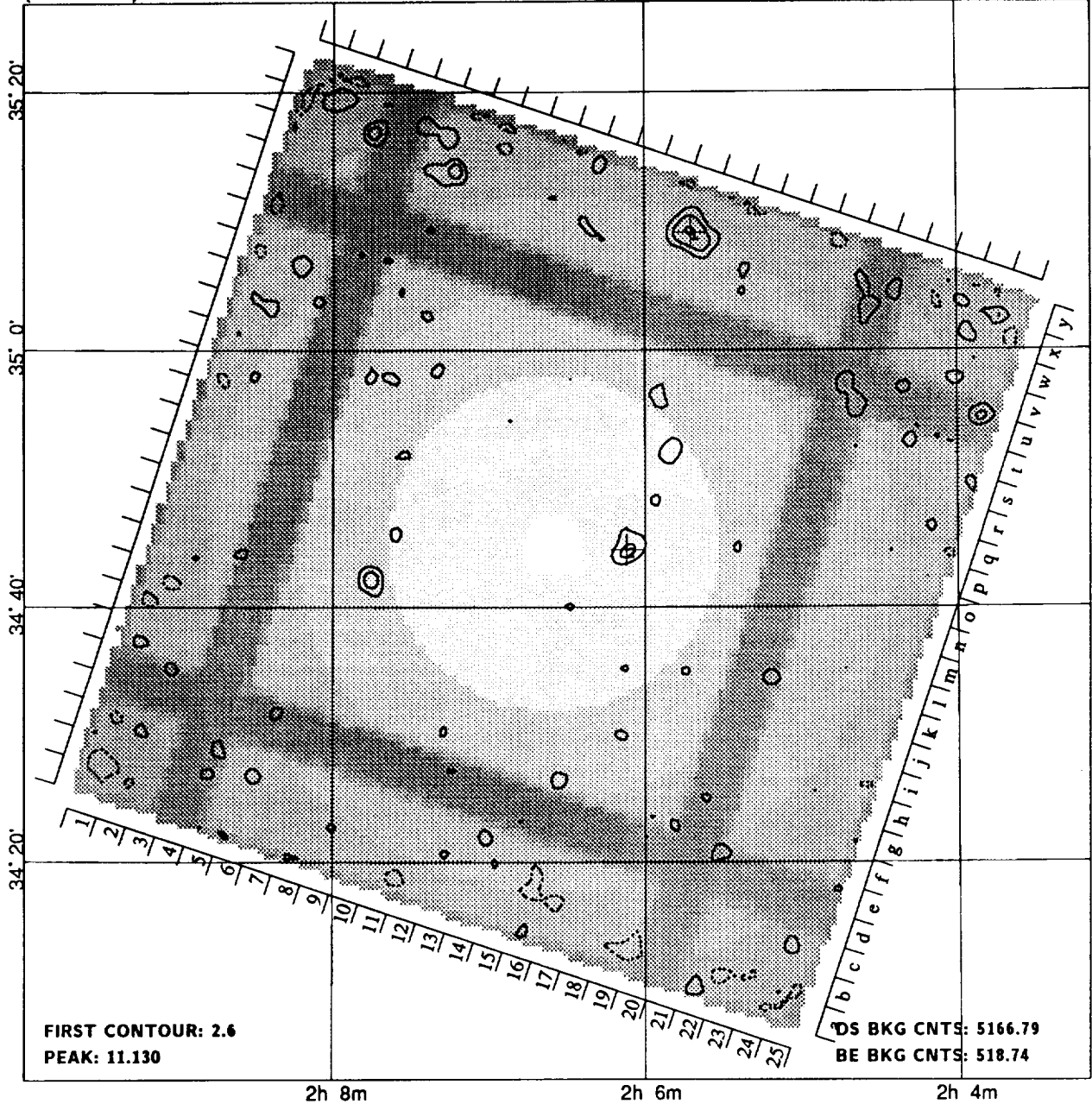
DATE: 1980/217 - 1980/217
 LIVETIME: 1938.4s
 ROLL ANGLE: -72.9°

NH: $2.6E+20$
 REF/ID:
 FIELD FLAGS:

(2h 6m)

I 5443

(2h 6m)



Beta TRI

FIELD CENTER: $02^h 06^m 33.6^s$ $34^\circ 45' 05''$ (B1950)
 $02^h 09^m 32.0^s$ $34^\circ 59' 15''$ (J2000)
 $l: 140.55$ $b: -25.20$

DATE: 1980/208 - 1980/208
 LIVETIME: 4186.8s
 ROLL ANGLE: -71.7°

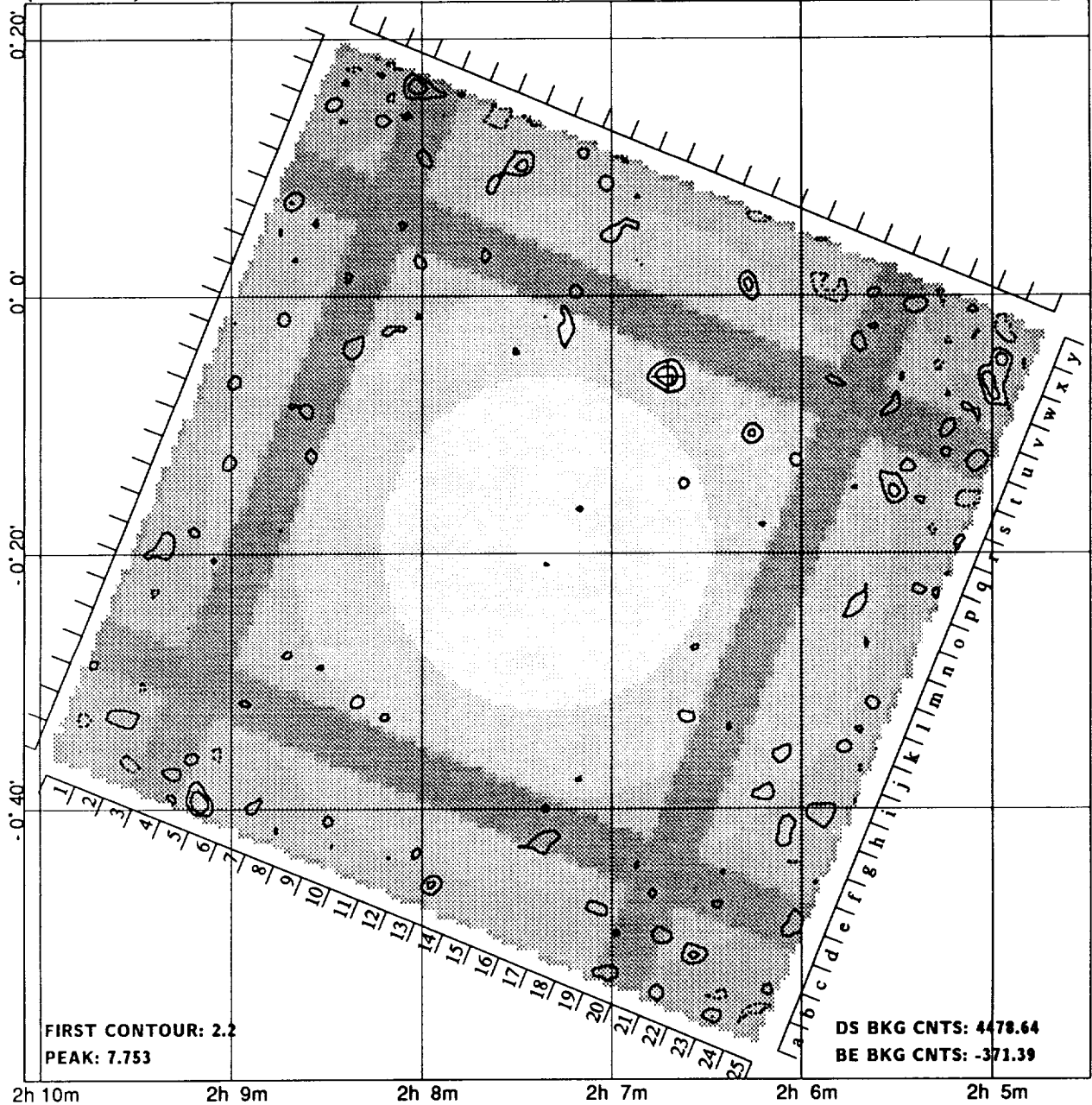
NH: $6.1E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
529	1	02 05 42.2	35 09 11	52	0.0166	0.0036	28.2	9.8	4.6	1.1	0	26.3	H
531	2	02 06 07.1	34 44 31	44	0.0093	0.0022	27.6	13.4	4.3	0.8	0	5.2	

(2h 7m)

I 8462

(2h 7m)



OPTICALLY SELECTED QSO'S: MCS 402

FIELD CENTER: $02^h 07^m 17.0^s$ $-00^\circ 19' 05''$ (B1950)
 $02^h 09^m 50.6^s$ $-00^\circ 04' 57''$ (J2000)
 $l: 161.00$ $b: -57.04$

DATE: 1980/194 - 1980/195
 LIVETIME: 3629.2s
 ROLL ANGLE: -67.9°

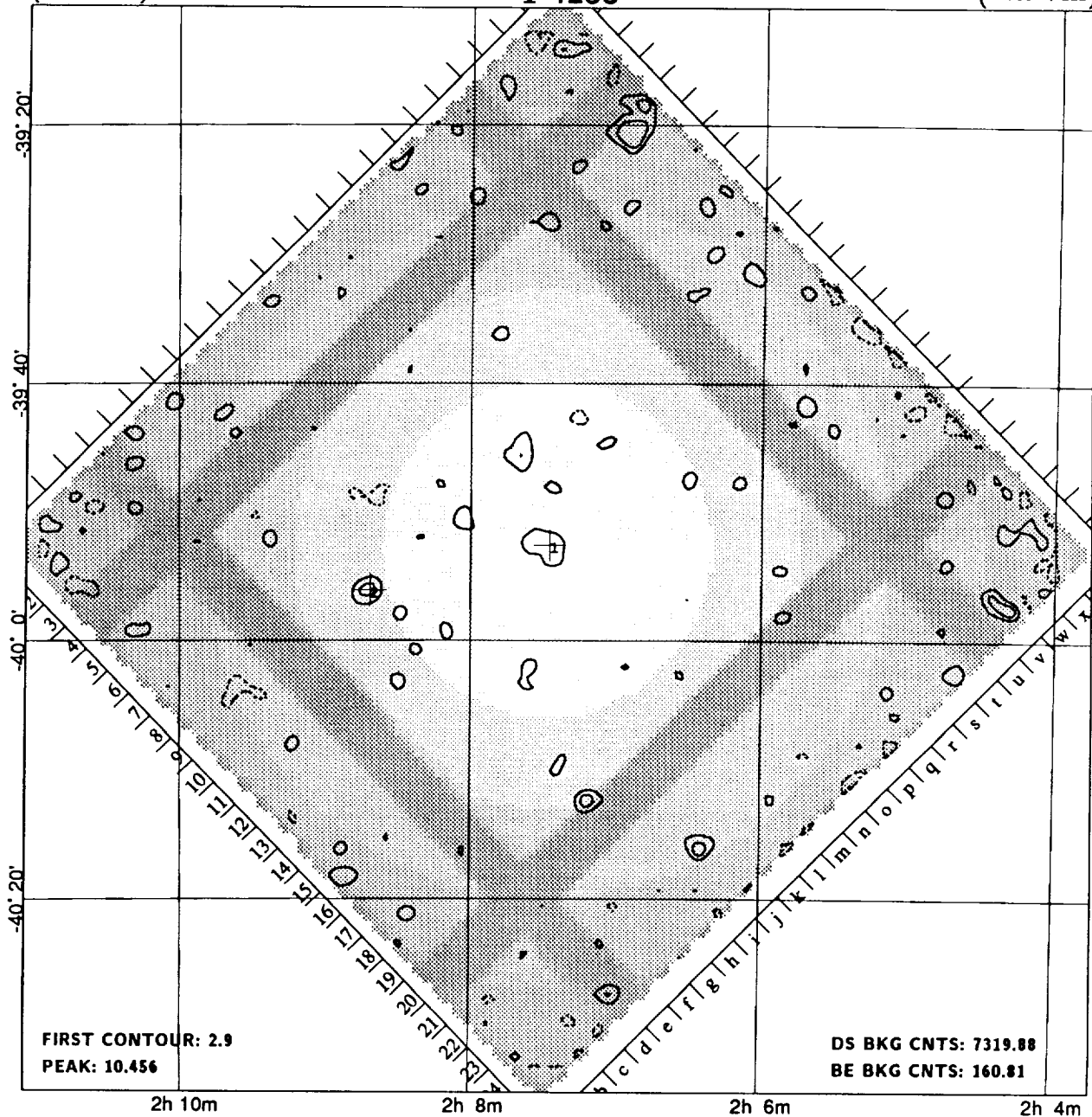
NH: $2.5E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
535	1	02 06 42.2	-00 06 17	53	0.0093	0.0025	19.2	7.8	3.7	0.8	300	15.4	

(2h 7m)

I 4253

(2h 7m)



OPTICALLY BRIGHT, RADIO-QUIET QSO

FIELD CENTER: $02^h 07^m 24.0^s$ $-39^\circ 52' 59''$ (B1950)
 $02^h 09^m 28.2^s$ $-39^\circ 38' 50''$ (J2000)
 $l: 255.59$ $b: -69.53$

DATE: 1979/167 - 1979/167
 LIVETIME: 5931.5s
 ROLL ANGLE: -44.7°

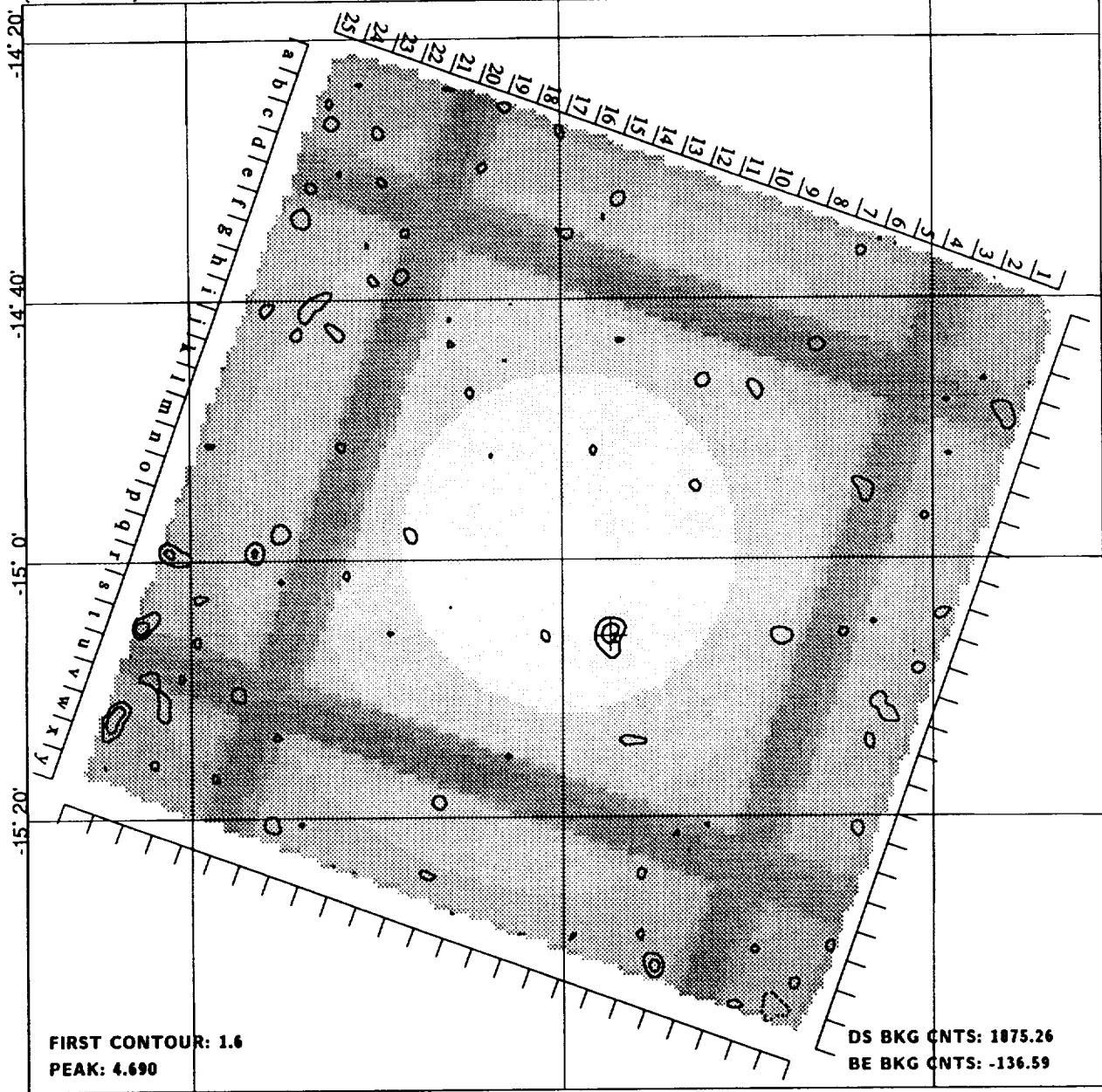
NH: $1.5E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
538	1	02 07 27.3	-39 52 35	41	0.0064	0.0015	28.2	17.8	4.2	1.0	0	0.8	H	Q
542	2	02 08 41.6	-39 56 03	52	0.0067	0.0018	23.7	15.3	3.8	0.6	0	15.1		

(2h 7m)

I 6729

(2h 7m)



FIRST CONTOUR: 1.6
PEAK: 4.690

DS BKG CNTS: 1875.26
BE BKG CNTS: -136.59

SEARCH FOR HIGH LX QSO'S: 4

FIELD CENTER: 02^h07^m58.8^s -14°59'04" (B1950)
02^h10^m23.1^s -14°44'57" (J2000)
ℓ: 182.94 b: -67.85

DATE: 1980/ 20 - 1980/ 20
LIVETIME: 1519.6s
ROLL ANGLE: 109.7°

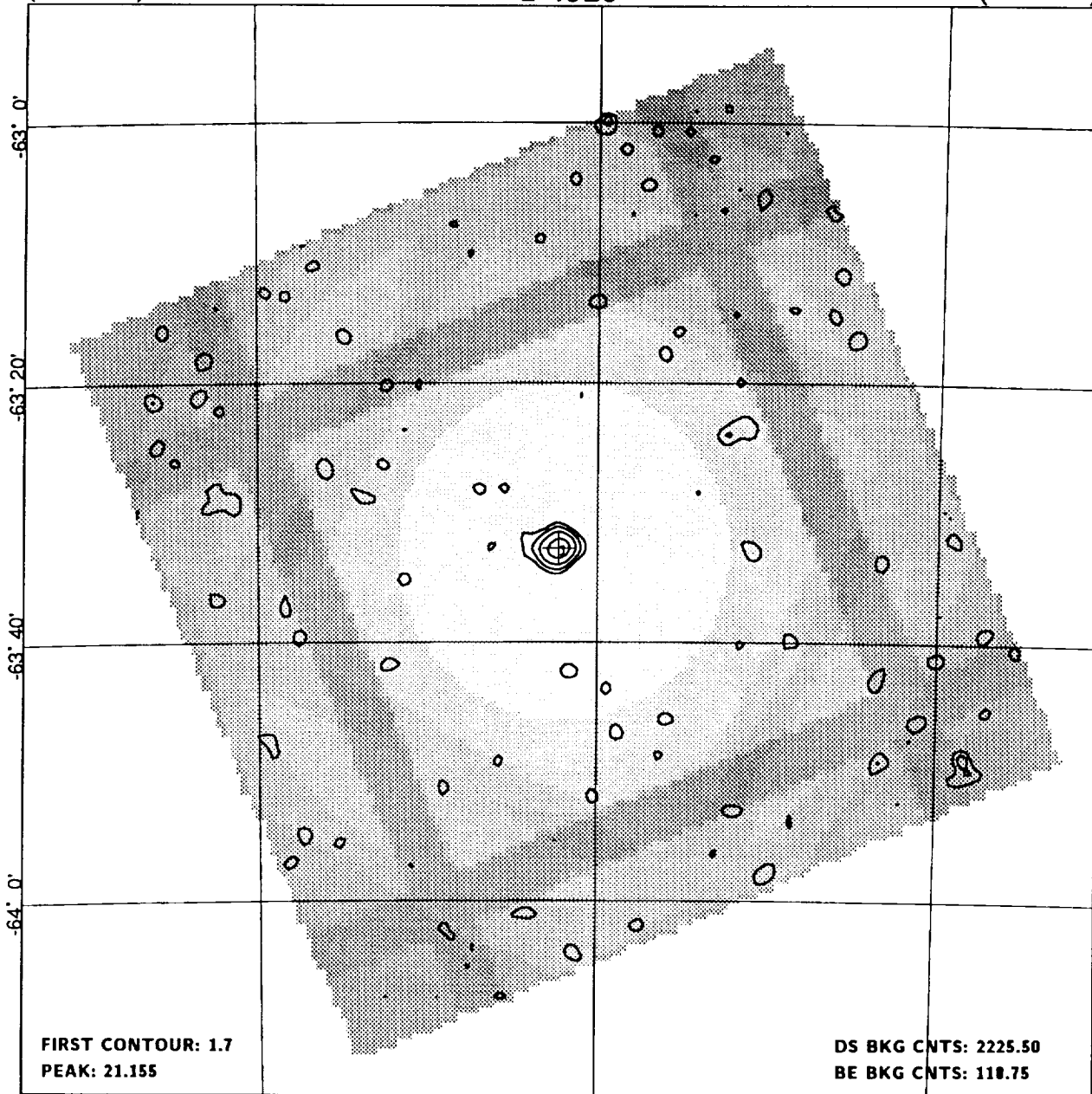
NH: 2.1E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
540	1	02 07 44.4	-15 05 56	46	0.0160	0.0044	16.8	4.2	3.7	0.7	0	7.5	H	

(2h 8m)

I 4920

(2h 8m)



CATAclysmic VARIABLE STARS: WX HYI

FIELD CENTER: 02^h08^m28.0^s -63°33'05" (B1950)
 02^h09^m50.4^s -63°18'57" (J2000)
 l : 288.89 b : -51.62

DATE: 1979/325 - 1980/ 1
 LIVETIME: 1803.4s

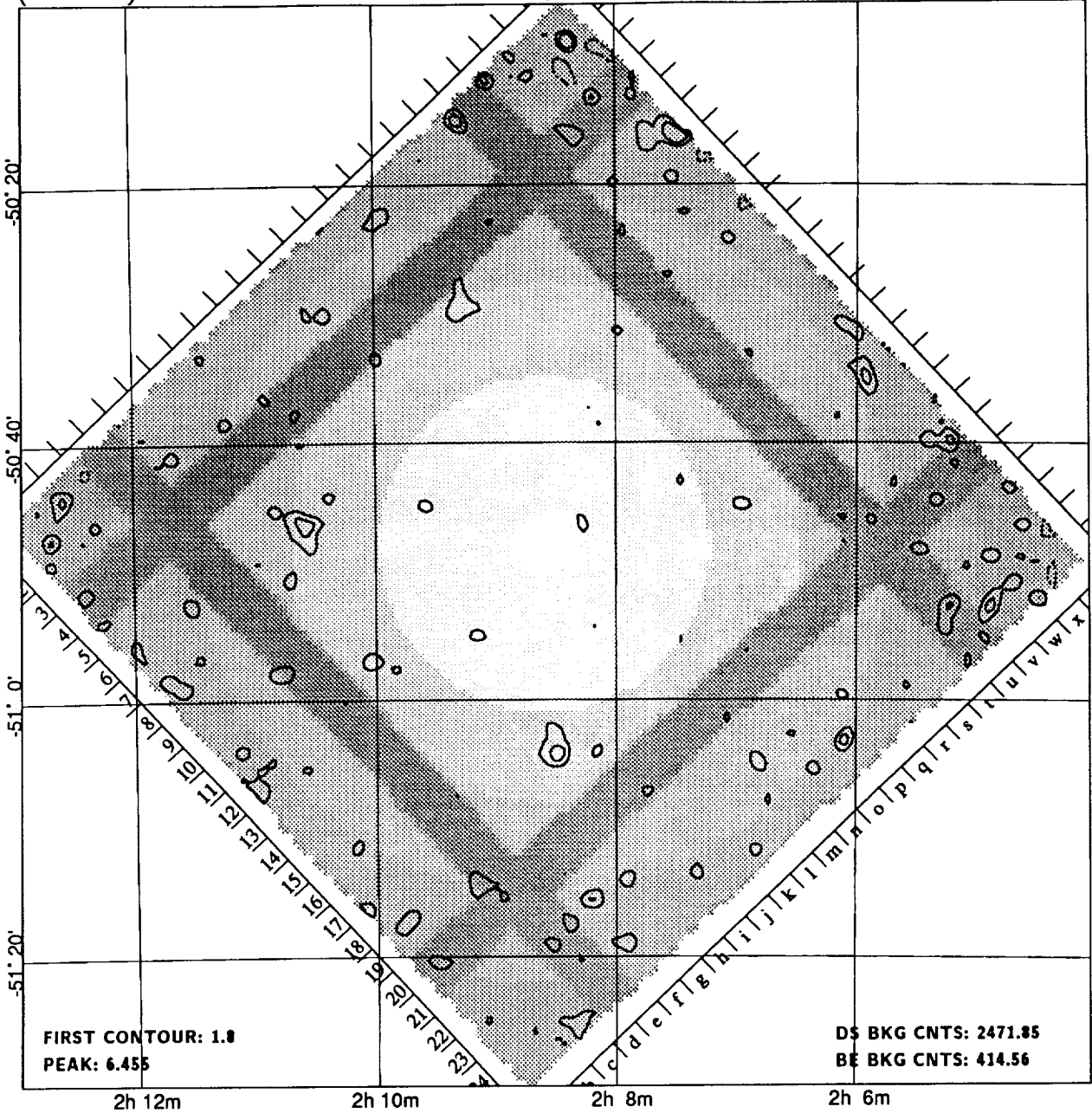
NH: 3.6E+20
 REF/ID: CV
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
541	1	02 08 27.5	-63 32 47	31	0.0611	0.0070	82.2	5.8	8.8	1.1	0	0.4	H	CV

(2h 8m)

I 8382

(2h 8m)



CLUSTER 197, ADDITIONAL SOUTHERN HIGH REDSHIFT CLUSTERS

FIELD CENTER: $02^h 08^m 30.0^s$ $-50^\circ 47' 59''$ (B1950)
 $02^h 10^m 20.1^s$ $-50^\circ 33' 52''$ (J2000)
 $l: 275.60$ $b: -62.17$

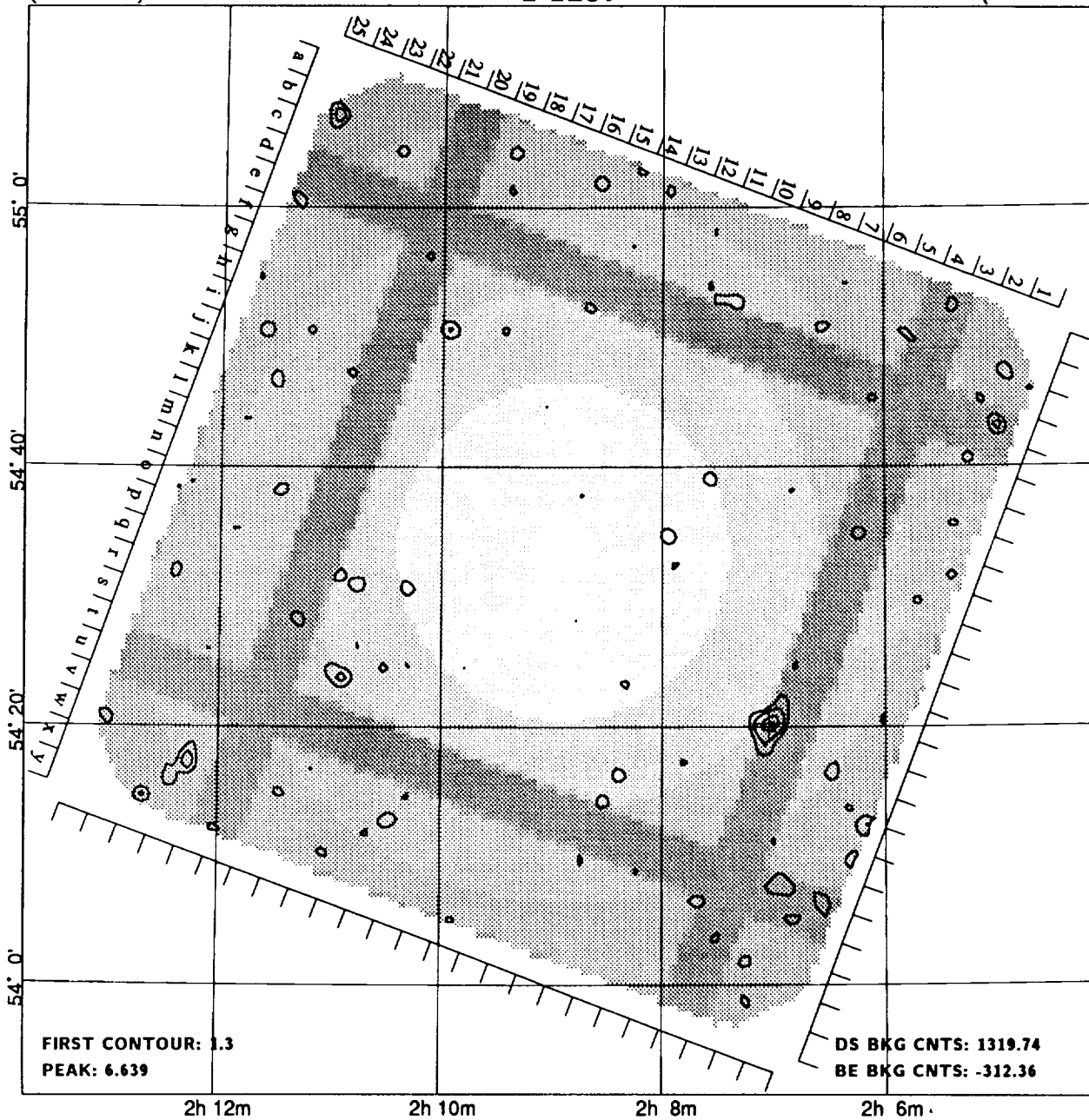
DATE: 1980/155 - 1980/155
 LIVETIME: 2003.0s
 ROLL ANGLE: -43.2°

NH: $2.5E+20$
 REF/ID: 1
 FIELD FLAGS:

(2h 8m)

I 1237

(2h 8m)



FIRST CONTOUR: 1.3
 PEAK: 6.639

DS BKG CNTS: 1319.74
 BE BKG CNTS: -312.36

H & CHI PERSEI GALACTIC PLANE SURVEY

FIELD CENTER: 02^h08^m56.5^s 54°33'34" (B1950)
 02^h12^m21.1^s 54°47'38" (J2000)
 l : 134.50 b : -6.25

DATE: 1979/ 33 - 1979/ 33
 LIVETIME: 1069.4s
 ROLL ANGLE: 110.4°

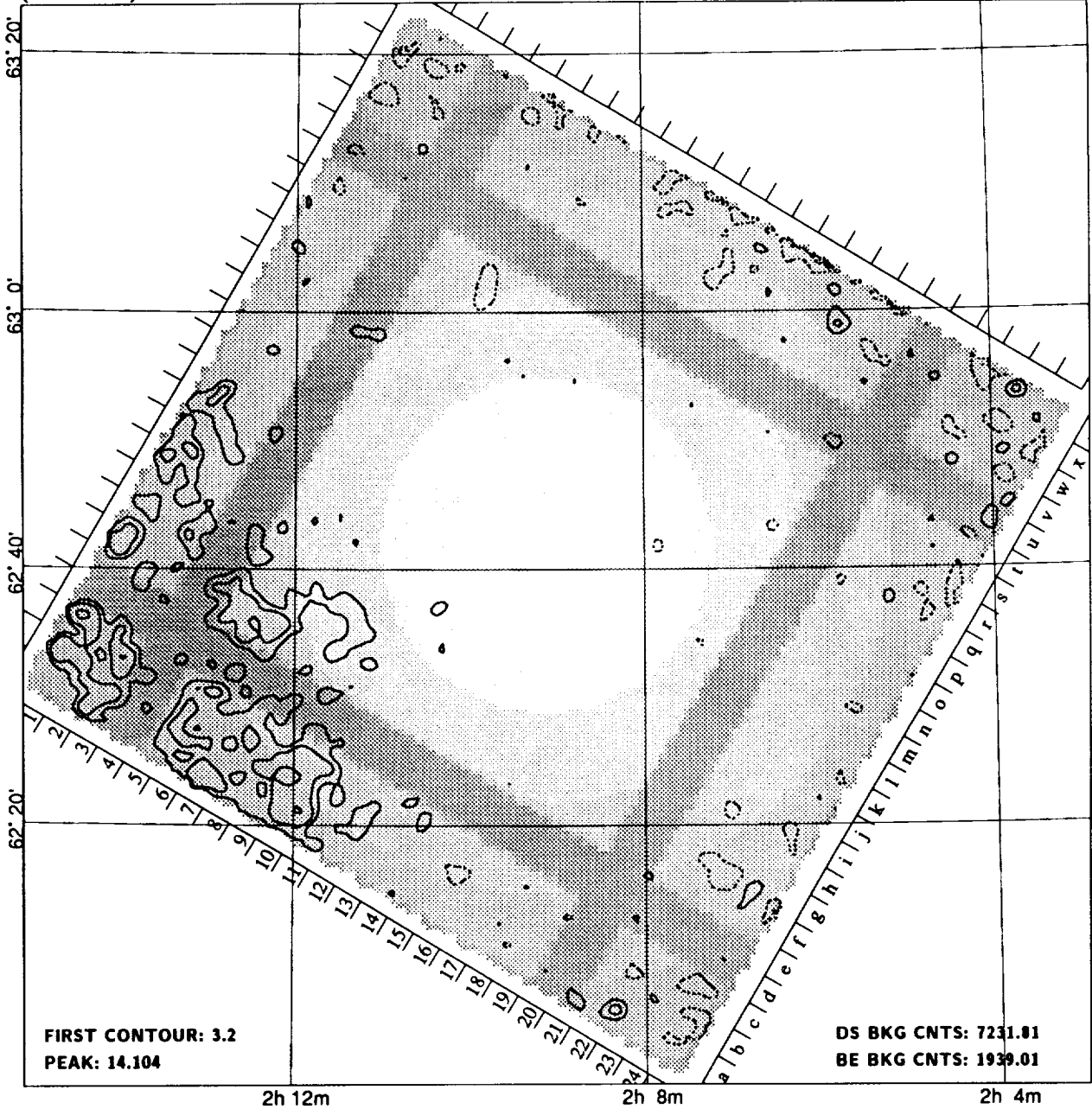
NH: 2.4E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID
537	1	02 07 02.7	54 20 14	54	*0.0317	0.0080	16.8	1.2	4.0	1.0	806	21.1		

(2h 9m)

I 7564

(2h 9m)



FIRST CONTOUR: 3.2
PEAK: 14.104

DS BKG CNTS: 7231.81
BE BKG CNTS: 1939.01

HB3 SNR, POS 3

FIELD CENTER: 02^h09^m00.0^s 62°41'59" (B1950)
02^h12^m44.1^s 62°56'02" (J2000)
l: 132.03 b: 1.51

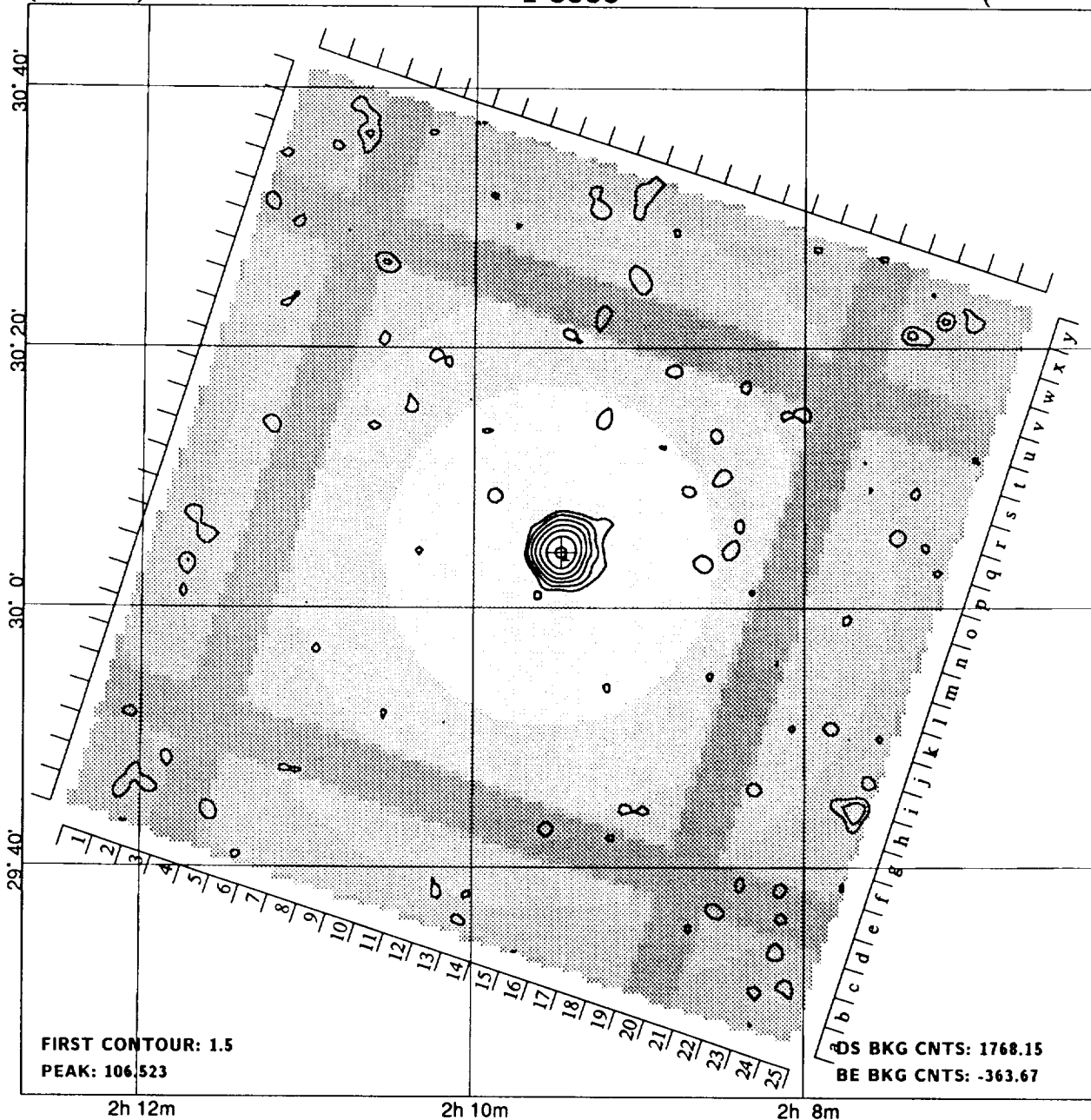
DATE: 1980/234 - 1980/234
LIVETIME: 5860.1s
ROLL ANGLE: -59.4°

NH: 7.7E+21
REF/ID: SNR
FIELD FLAGS: D

(2h 9m)

I 3533

(2h 9m)



6 TRI-CORONAL ACTIVITY OF F, G, K STARS

FIELD CENTER: $02^h 09^m 28.8^s$ $30^\circ 04' 11''$ (B1950)
 $02^h 12^m 23.6^s$ $30^\circ 18' 14''$ (J2000)
 $l: 142.98$ $b: -29.40$

DATE: 1979/206 - 1979/206
 LIVETIME: 1432.8s
 ROLL ANGLE: -71.9°

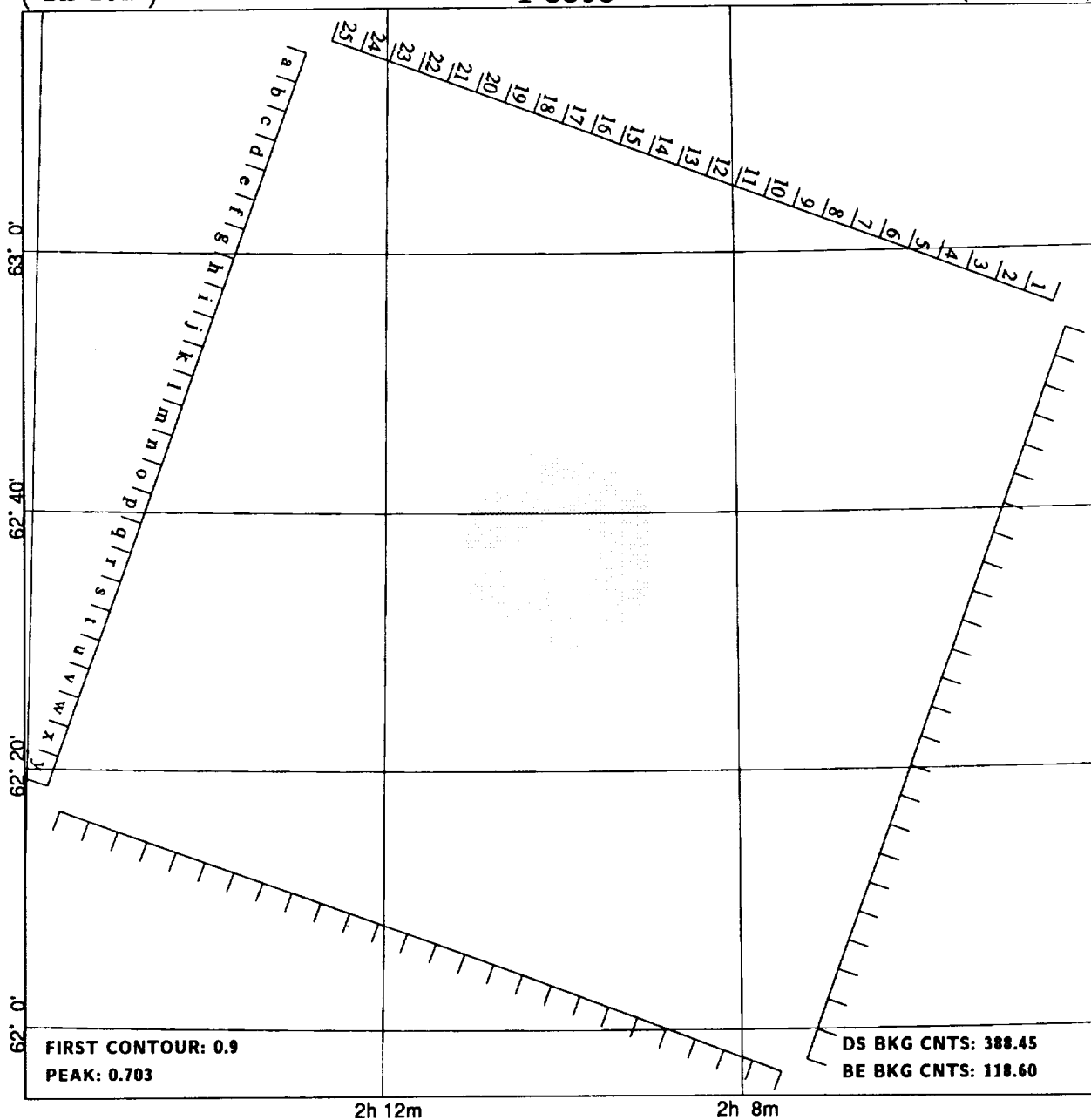
NH: $6.3E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
544	1	02 09 28.1	30 04 11	31	0.416	0.020	442.7	3.3	21.0	1.2	0	0.2	H

(2h 10m)

I 3593

(2h 10m)



HB 3 SUPERNOVA REMNANT

FIELD CENTER: $02^h 10^m 00.0^s$ $62^\circ 36' 59''$ (B1950)
 $02^h 13^m 44.3^s$ $62^\circ 51' 00''$ (J2000)
 $l: 132.16$ $b: 1.46$

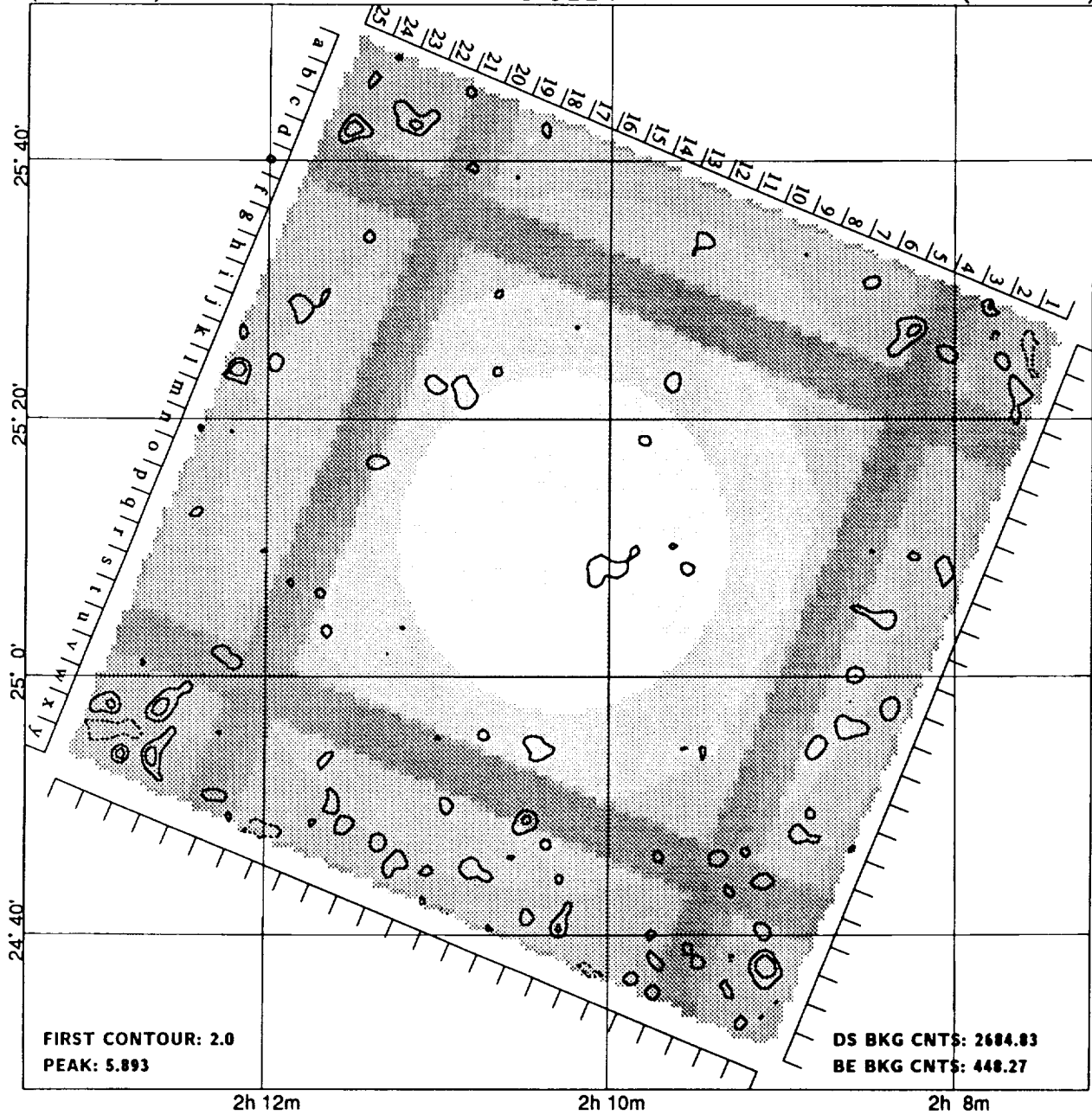
DATE: 1979/ 34 - 1979/ 34
 LIVETIME: 314.8s
 ROLL ANGLE: 109.8°

NH: $7.8E+21$
 REF/ID: SNR
 FIELD FLAGS:

(2h 10m)

I 9114

(2h 10m)



A320d: CLUSTER OF GALAXIES SURVEY

FIELD CENTER: $02^h 10^m 18.0^s$ $25^\circ 09' 59''$ (B1950)
 $02^h 13^m 08.9^s$ $25^\circ 24' 01''$ (J2000)
 $l: 145.26$ $b: -33.90$

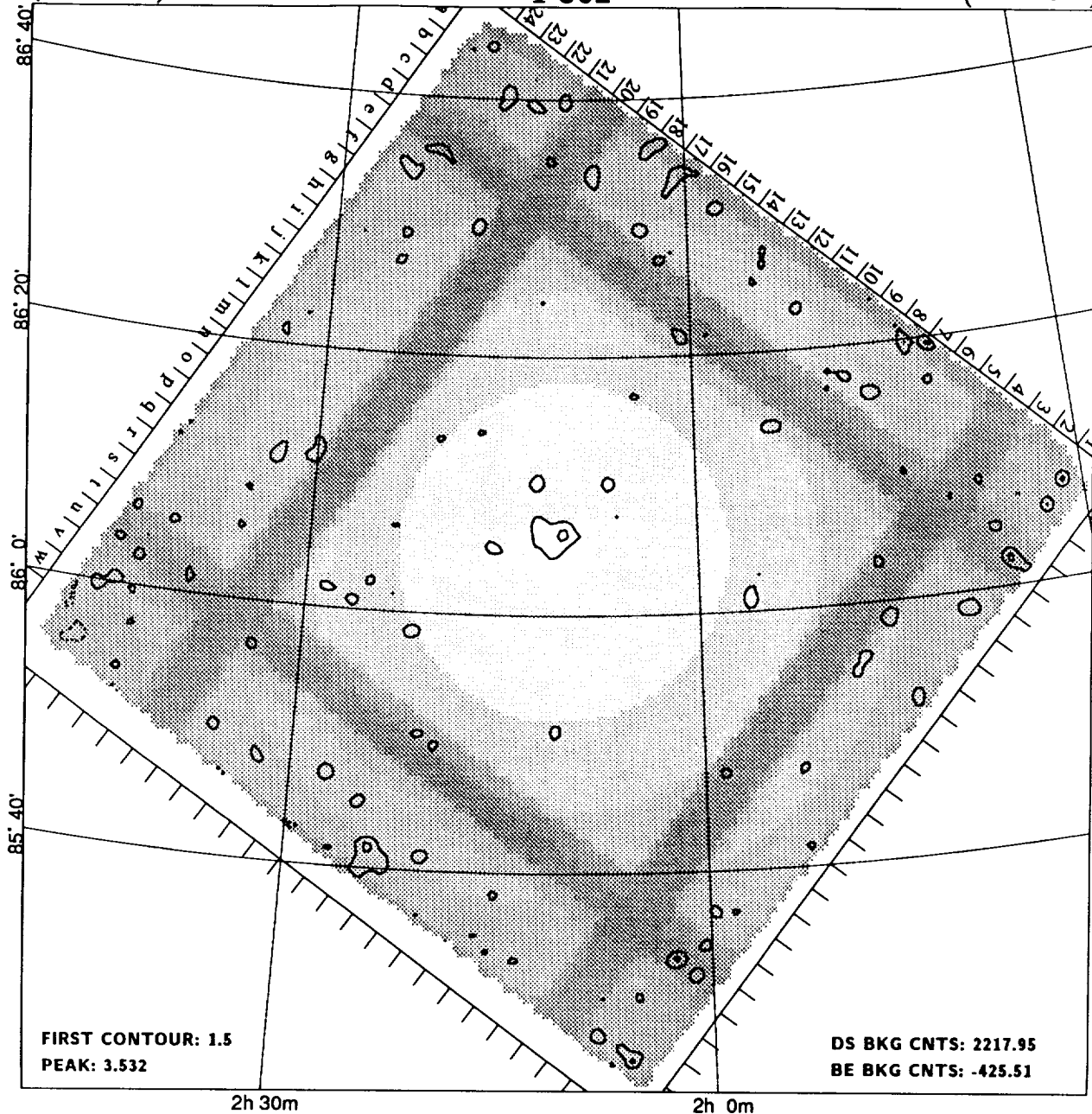
DATE: 1981/ 40 - 1981/ 40
 LIVETIME: 2175.6s
 ROLL ANGLE: 112.3°

NH: $6.3E+20$
 REF/ID:
 FIELD FLAGS:

(2h 10m)

I 562

(2h 10m)



FIRST CONTOUR: 1.5
PEAK: 3.532

DS BKG CNTS: 2217.95
BE BKG CNTS: -425.51

2h 30m

2h 0m

QSO 0210+860 (3CR 61.188) QUASAR SURVEY

FIELD CENTER: 02^h10^m49.0^s 86°05'09" (B1950)
02^h22^m48.3^s 86°18'58" (J2000)
l: 124.49 *b*: 23.72

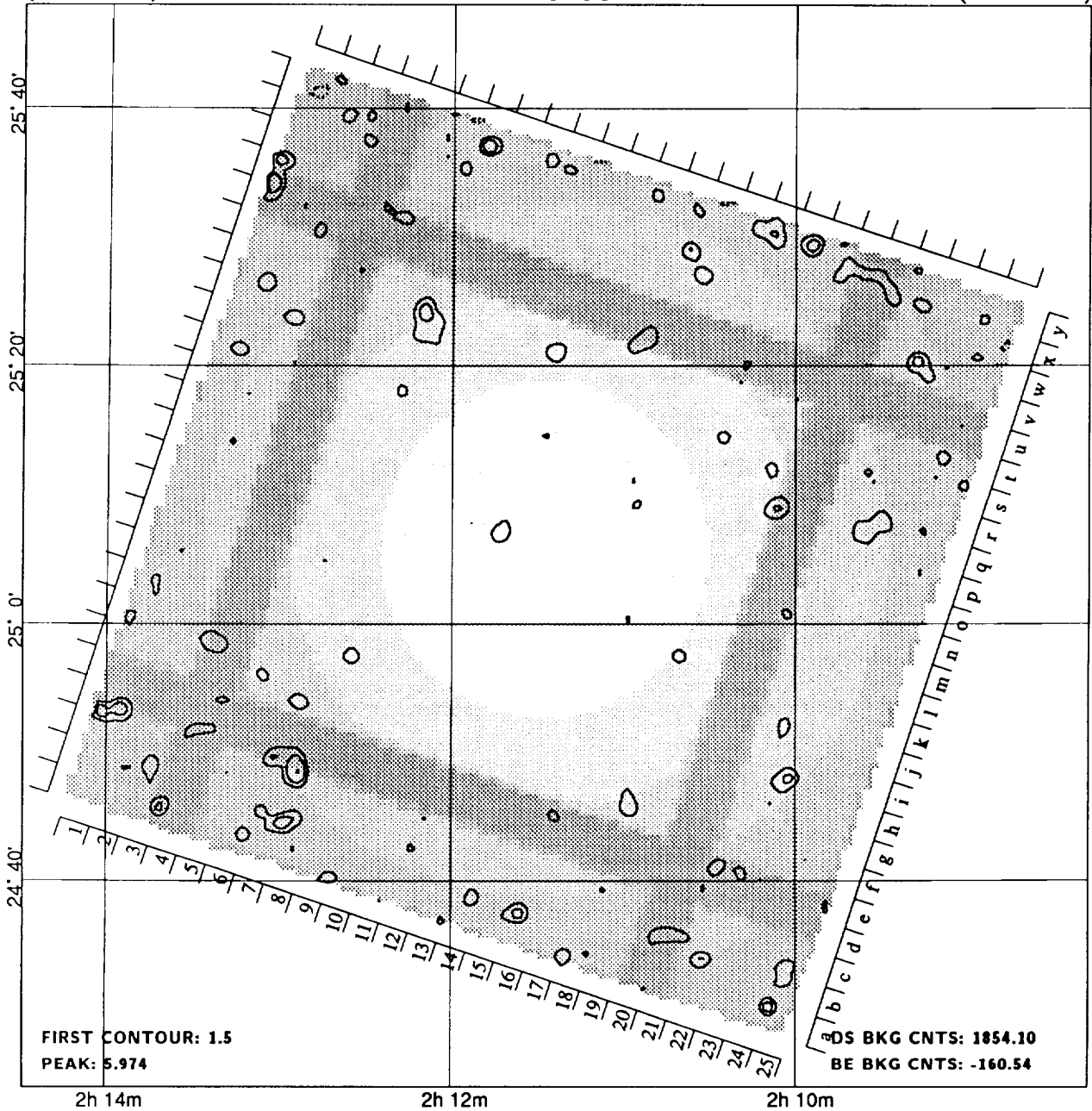
DATE: 1979/ 56 - 1979/ 56
LIVETIME: 1797.3s
ROLL ANGLE: 126.2°

NH: 7.6E+20
REF/ID: !
FIELD FLAGS:

(2h 11m)

I 6799

(2h 11m)



YOUNG, OPEN CLUSTERS: STOCK 2

FIELD CENTER: 02^h11^m24.0^s 25°05'59" (B1950)
 02^h14^m15.0^s 25°19'58" (J2000)
 l : 145.57 b : -33.87

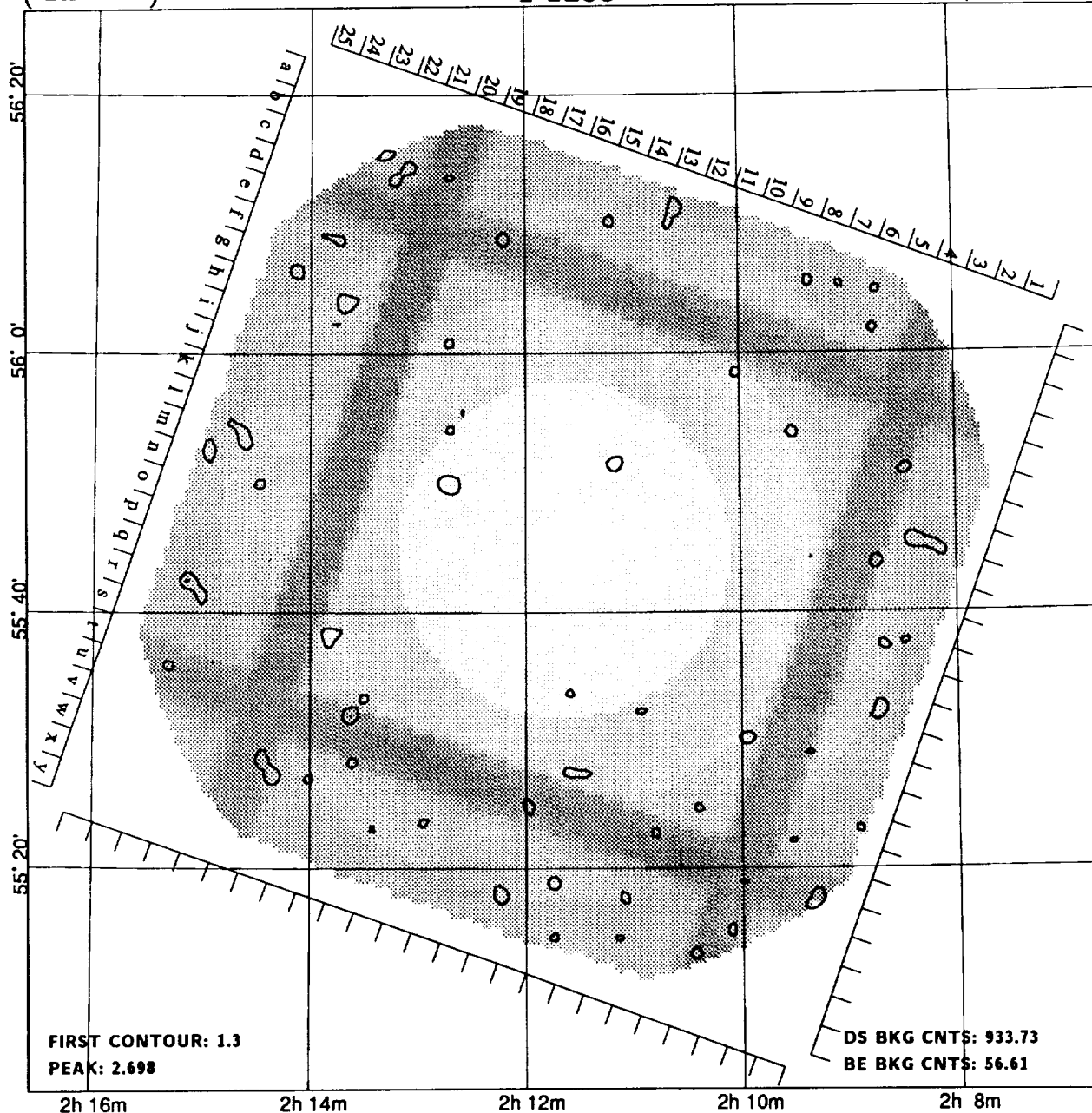
DATE: 1980/205 - 1980/205
 LIVETIME: 1502.4s
 ROLL ANGLE: -71.8°

NH: 6.2E+20
 REF/ID:
 FIELD FLAGS:

(2h 11m)

I 1235

(2h 11m)



H & CHI PERSEI GALACTIC PLANE SURVEY

FIELD CENTER: 02^h11^m39.2^s 55°44'53" (B1950)
 02^h15^m07.1^s 55°58'50" (J2000)
 l : 134.50 b : -5.00

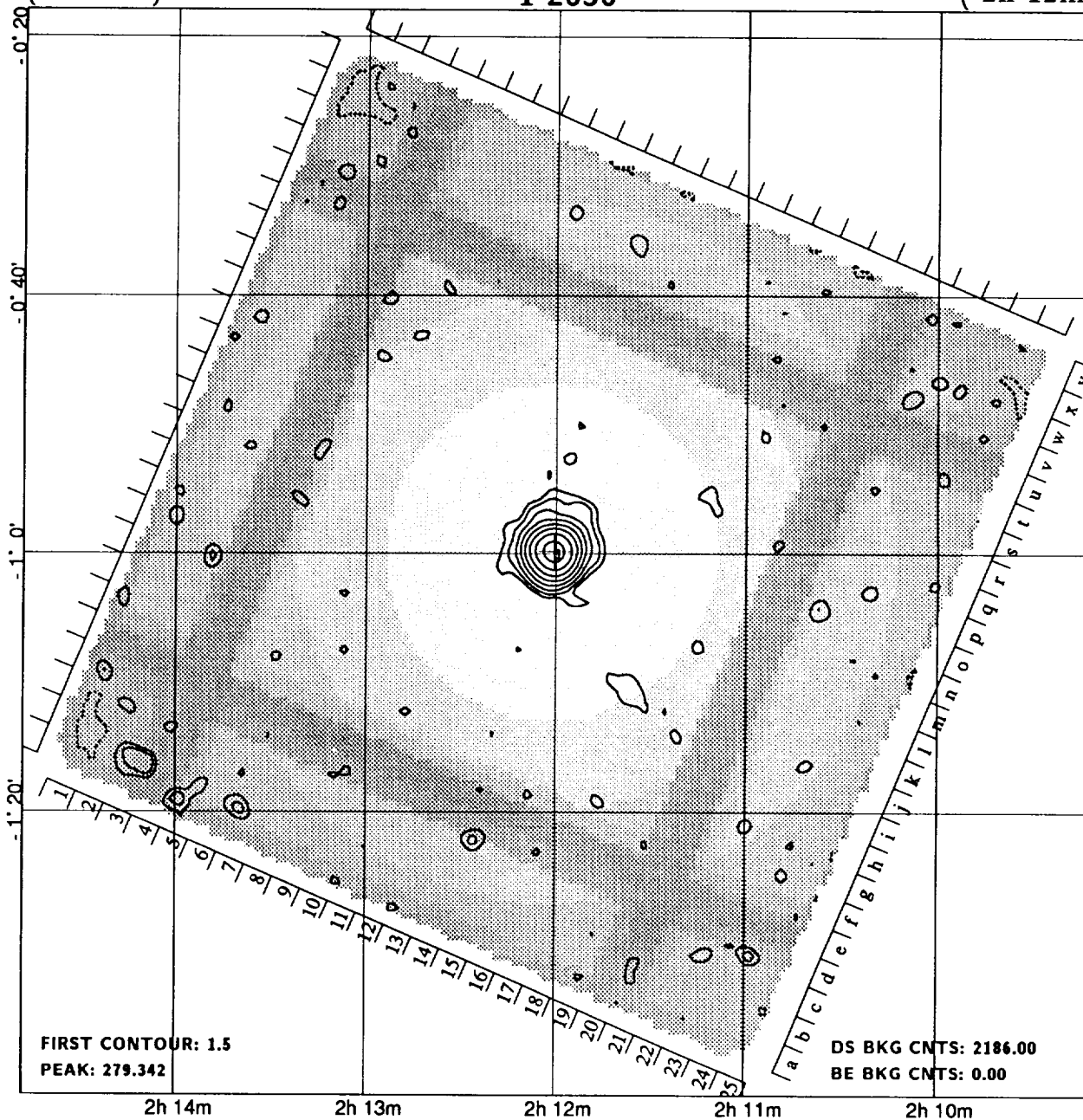
DATE: 1979/ 33 - 1979/ 33
 LIVETIME: 756.6s
 ROLL ANGLE: 109.6°

NH: 3.1E+21
 REF/ID:
 FIELD FLAGS:

(2h 12m)

I 2636

(2h 12m)



SEYFERT GALAXY SURVEY: MKN 590

FIELD CENTER: 02^h12^m00.0^s -00°59'59" (B1950)
 02^h14^m33.2^s -00°46'02" (J2000)
 l : 163.50 b : -56.94

DATE: 1979/191 - 1979/191
 LIVETIME: 1771.4s
 ROLL ANGLE: -67.0°

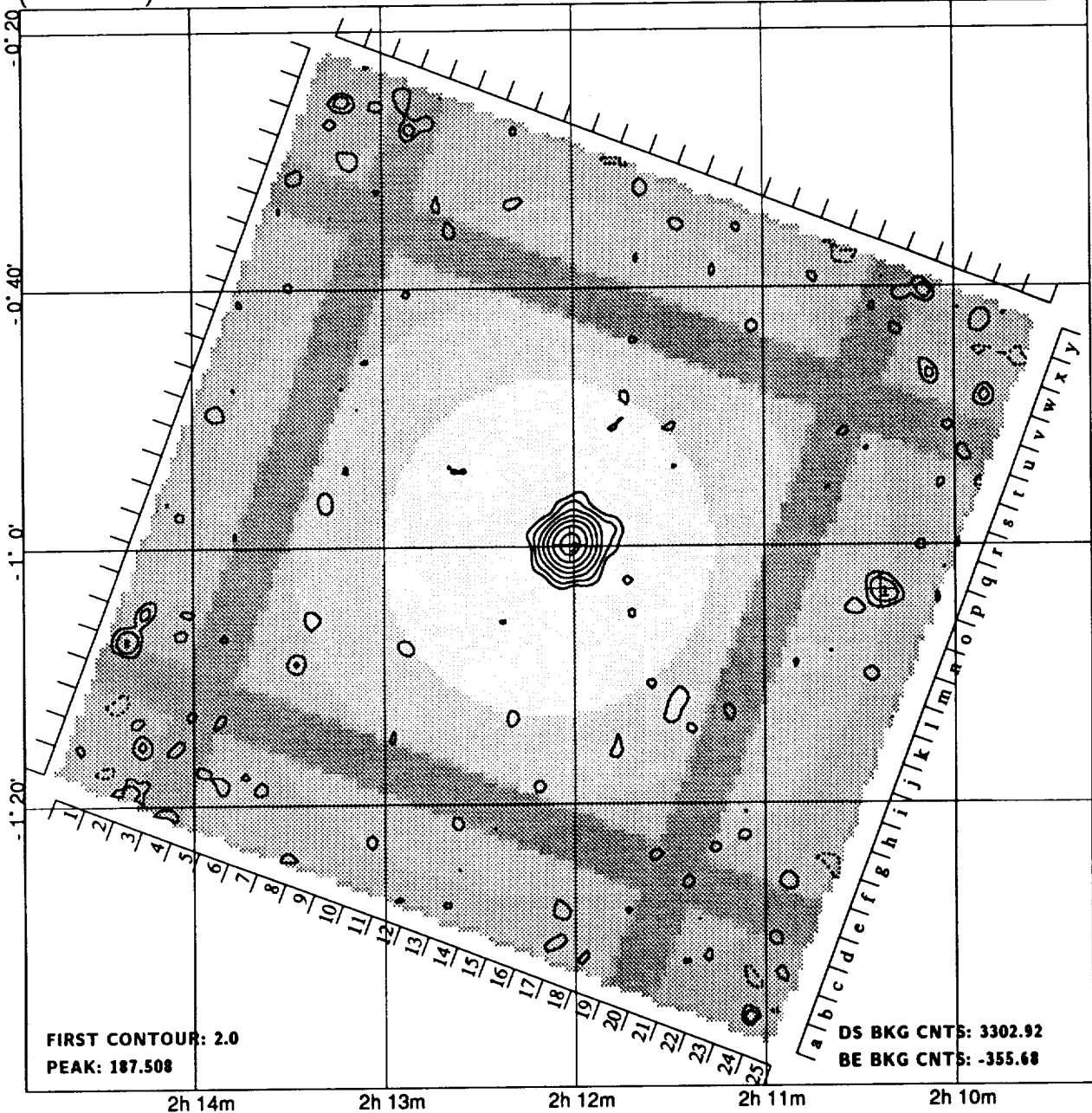
NH: 2.8E+20
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
548	1L	02 12 00.6	-00 59 51	31	0.828	0.030	1095.1	134.9	27.4	1.3	0	0.3	A SY

(2h 12m)

I 4470

(2h 12m)



FIRST CONTOUR: 2.0
PEAK: 187.508

DS BKG CNTS: 3302.92
BE BKG CNTS: -355.68

SEYFERT MKN 590

FIELD CENTER: 02^h 12^m 05.0^s -00° 59' 56" (B1950)
02^h 14^m 38.2^s -00° 45' 59" (J2000)
l: 163.53 b: -56.93

DATE: 1979/201 - 1979/202
LIVETIME: 2676.4s
ROLL ANGLE: -69.3°

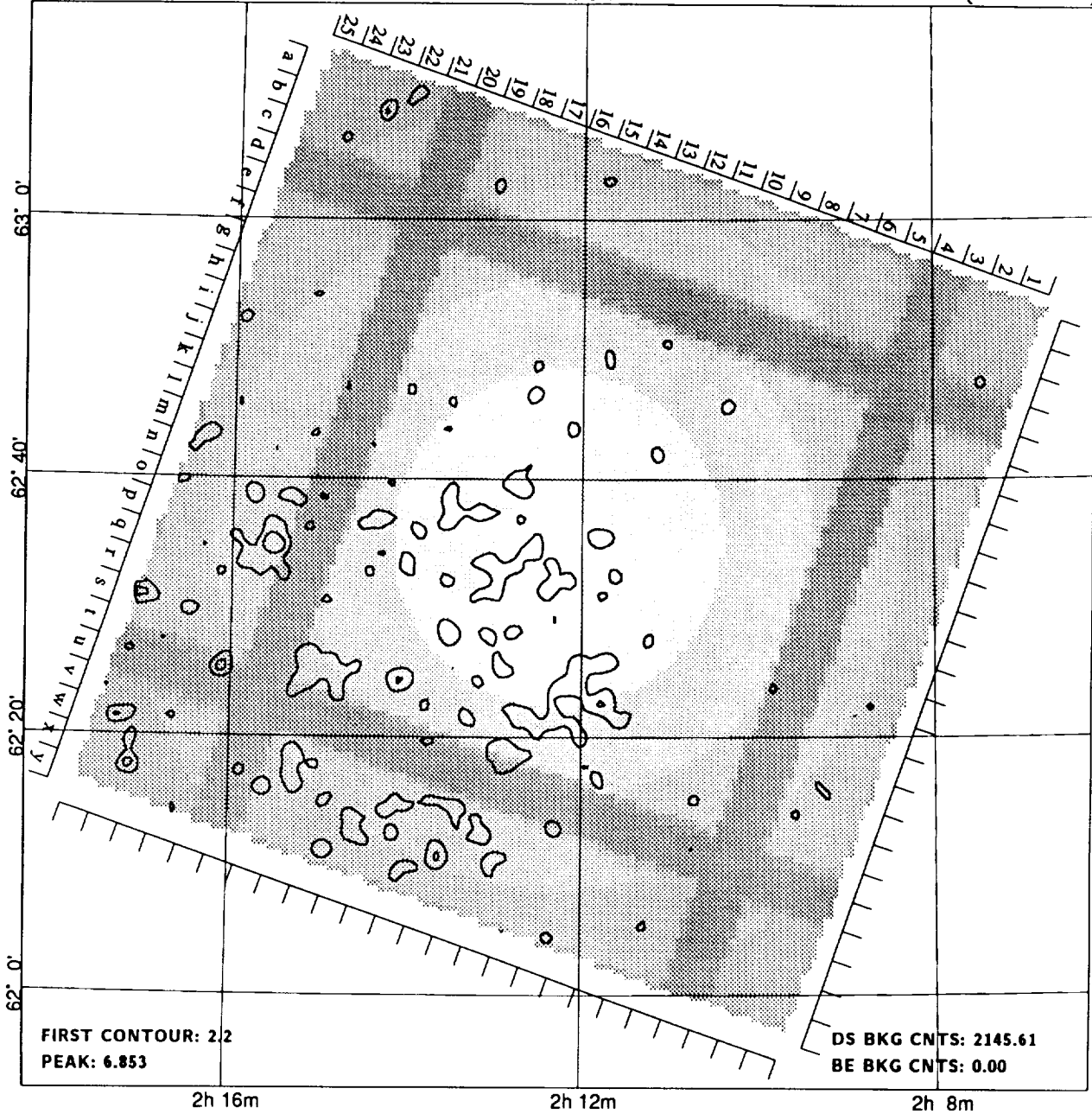
NH: 2.8E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
545	1	02 10 23.5	-01 03 25	55	0.0143	0.0041	15.7	4.3	3.5	0.8	0	25.7	H	
548	2	02 12 01.3	-00 59 51	31	0.389	0.014	768.7	7.3	27.6	1.3	0	0.9	AH	SY

(2h 12m)

I 3598

(2h 12m)



HB 3 SUPERNOVA REMNANT

FIELD CENTER: $02^h 12^m 16.8^s$ $62^\circ 34' 47''$ (B1950)
 $02^h 16^m 02.0^s$ $62^\circ 48' 42''$ (J2000)
 $l: 132.42$ $b: 1.51$

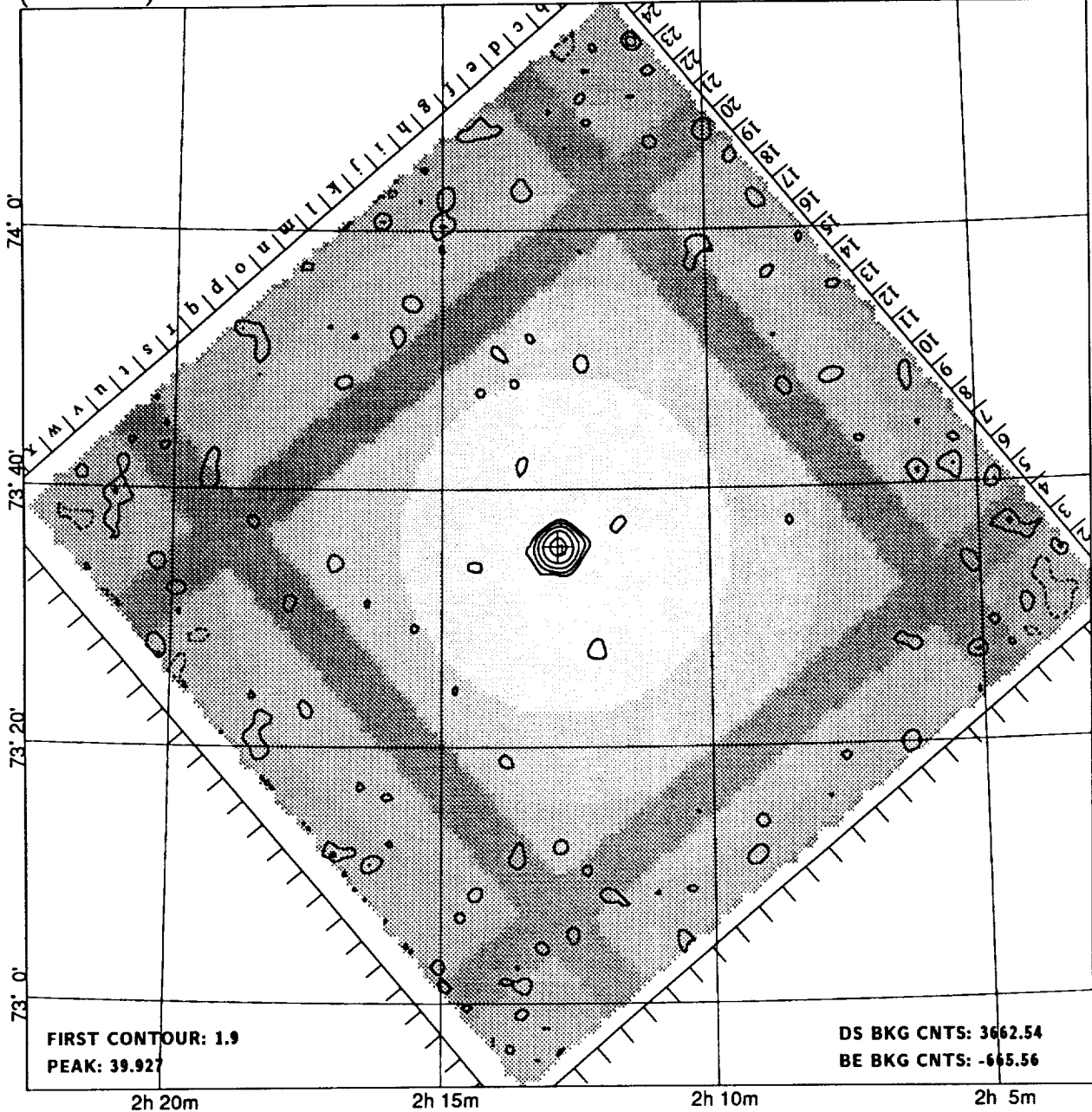
DATE: 1979/ 34 - 1979/ 34
 LIVETIME: 1738.6s
 ROLL ANGLE: 109.3°

NH: $7.8E+21$
 REF/ID: SNR
 FIELD FLAGS: L

(2h 12m)

I 7584

(2h 12m)



0212+73,RADIO SOURCES W/FLAT OR INVERTED SPECTRA

FIELD CENTER: $02^h 12^m 49.9^s$ $73^\circ 35' 39''$ (B1950)
 $02^h 17^m 30.8^s$ $73^\circ 49' 32''$ (J2000)
 $l: 128.93$ $b: 11.96$

DATE: 1980/ 73 - 1980/ 73
 LIVETIME: 2967.9s
 ROLL ANGLE: 139.8°

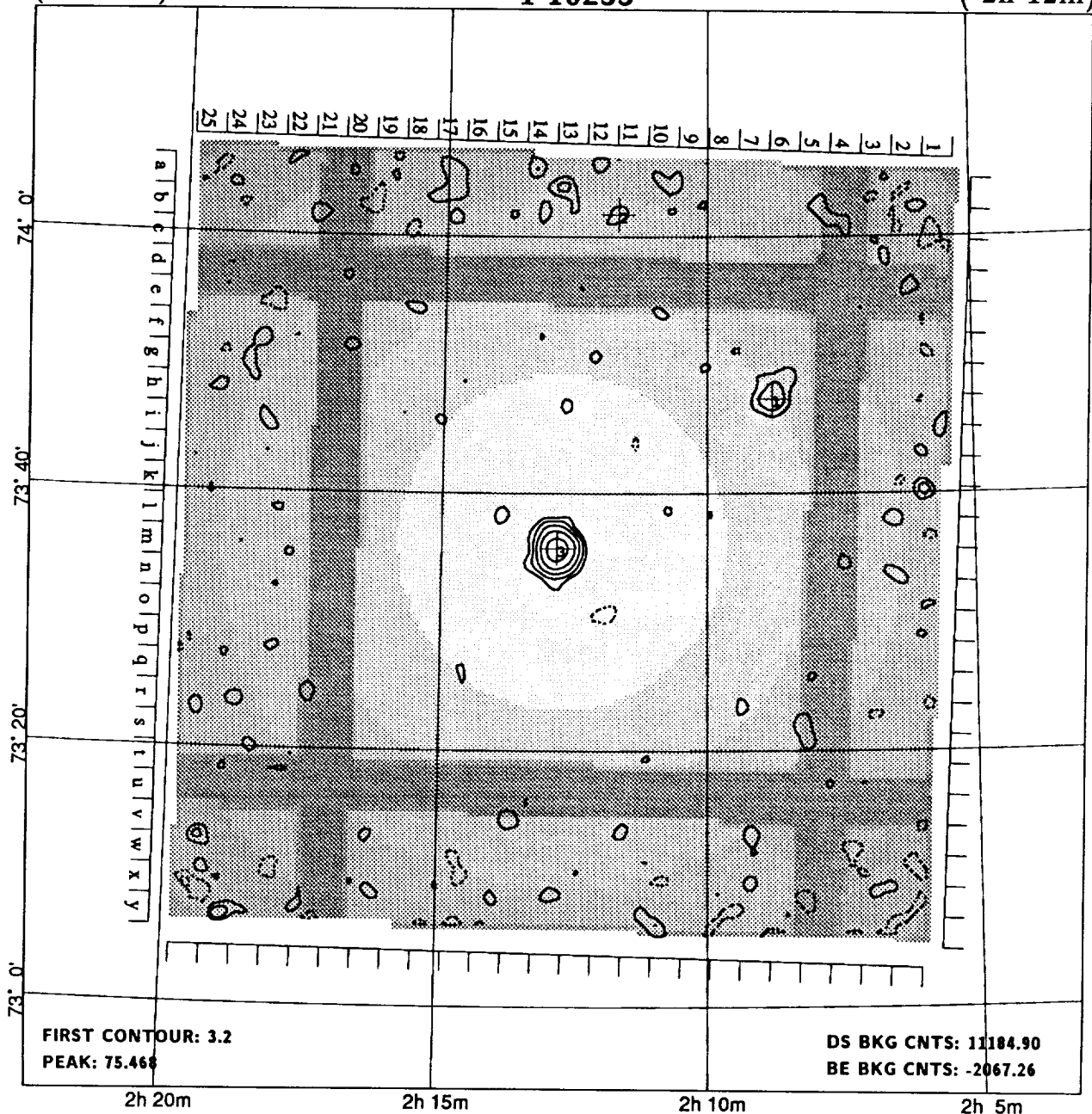
NH: $2.7E+21$
 REF/ID: *
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
549	1	02 12 50.6	73 35 33	31	0.0733	0.0059	162.2	6.8	12.5	1.0	0	0.2	AH	BL

(2h 12m)

I 10235

(2h 12m)



EXTENDED EMISSION IN BL LAC OBJECTS:BL LAC? E main comp.

FIELD CENTER: 02^h12^m49.9^s 73°35'39" (B1950)
 02^h17^m30.8^s 73°49'32" (J2000)
 $l: 128.93$ $b: 11.96$

DATE: 1981/ 16 - 1981/ 16
 LIVETIME: 9063.4s
 ROLL ANGLE: 91.4°

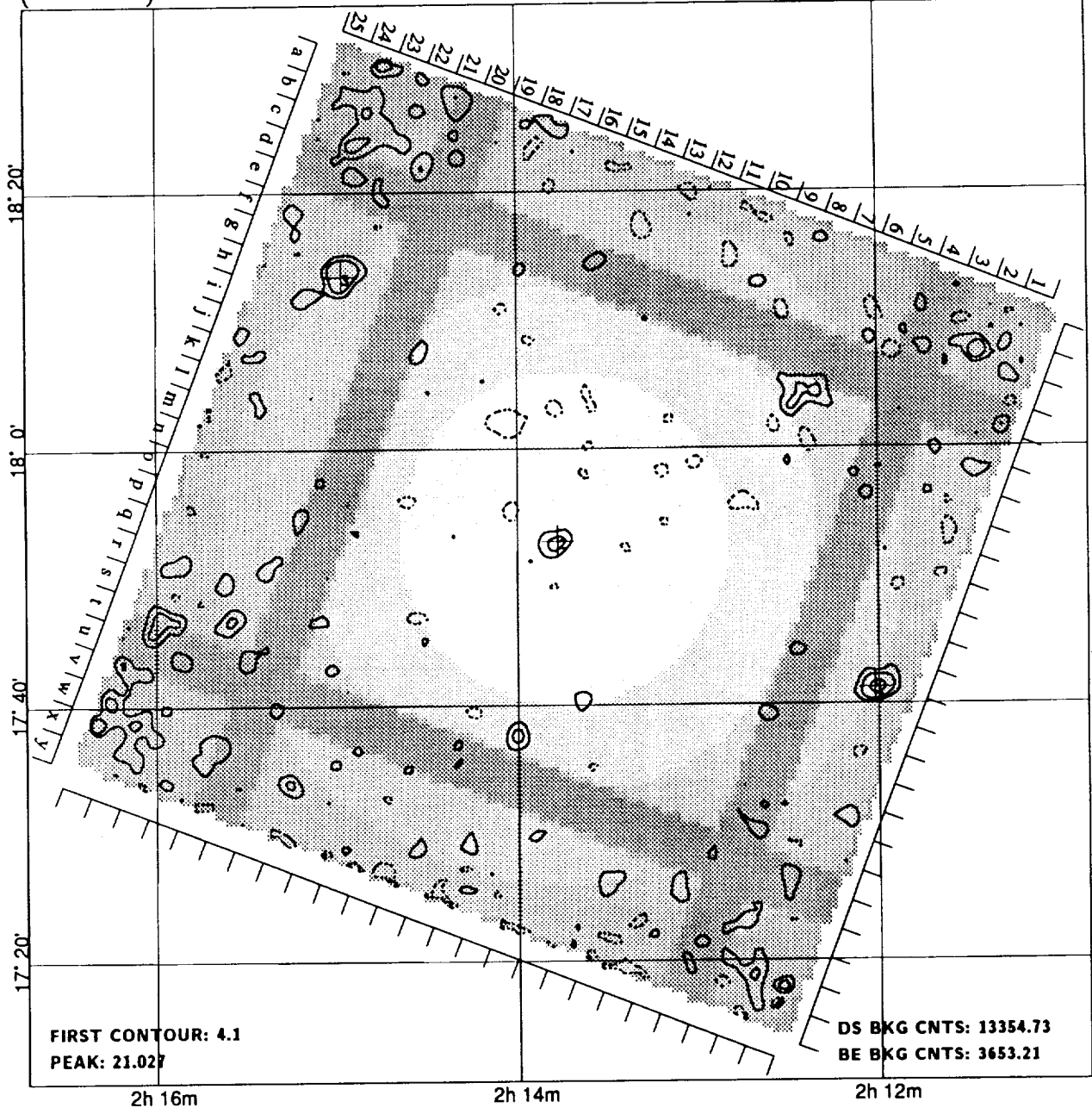
NH: 2.7E+21
 REF/ID: *
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
543	1	02 08 46.1	73 47 21	53	0.0068	0.0015	31.5	14.5	4.6	1.1	0	20.5	H	
546	2L	02 11 41.8	74 01 41	84	0.0059	0.0016	22.5	4.5	3.6	0.4	0	26.5		
549	3	02 12 49.4	73 35 42	31	0.0485	0.0028	327.7	22.3	17.5	1.1	0	0.2	AH	BL

(2h 13m)

I 10379

(2h 13m)



CLUSTERS W/STEEP SPECTRUM RADIO SOURCES: TARGET 5

FIELD CENTER: 02^h 13^m 46.6^s 17° 52' 40" (B1950)
 02^h 16^m 32.4^s 18° 06' 33" (J2000)
 l : 149.81 b : -40.28

DATE: 1981/ 46 - 1981/ 47
 LIVETIME: 10821.7s
 ROLL ANGLE: 110.9°

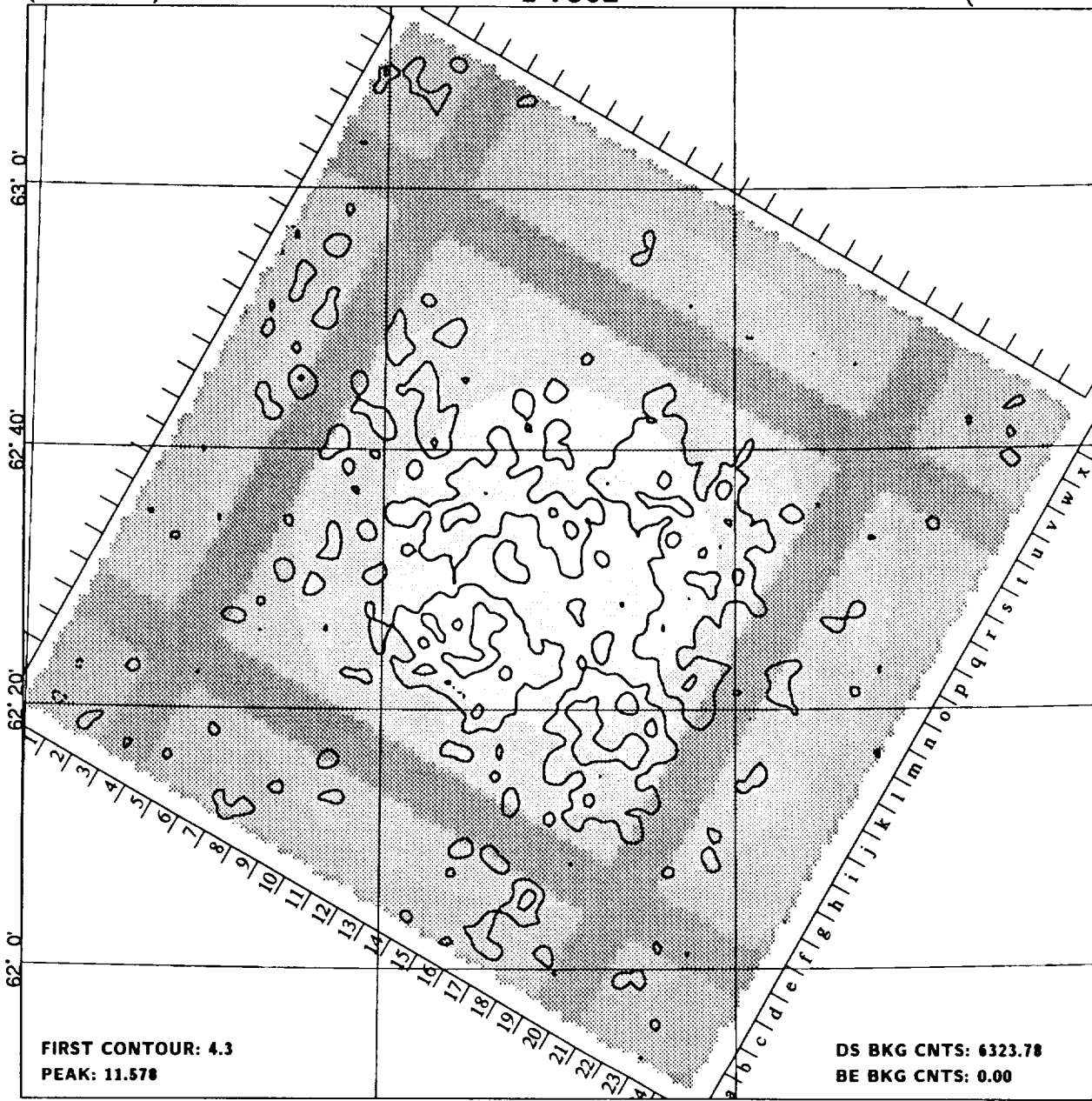
NH: 8.6E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
547	1	02 12 01.3	17 41 17	51	0.0091 0.0019	39.2	27.8	4.8	0.9	0	27.4	
550	2	02 13 46.6	17 52 49	35	0.0052 0.0012	41.5	44.5	4.5	0.7	0	0.4	
551	3	02 14 58.4	18 13 32	55	0.0088 0.0018	37.8	22.2	4.9	1.1	0	26.9	H

(2h 14m)

I 7562

(2h 14m)



HB3 SNR,POS 1

FIELD CENTER: 02^h14^m00.0^s 62°31'59" (B1950)
 02^h17^m45.9^s 62°45'50" (J2000)
 l : 132.63 b : 1.53

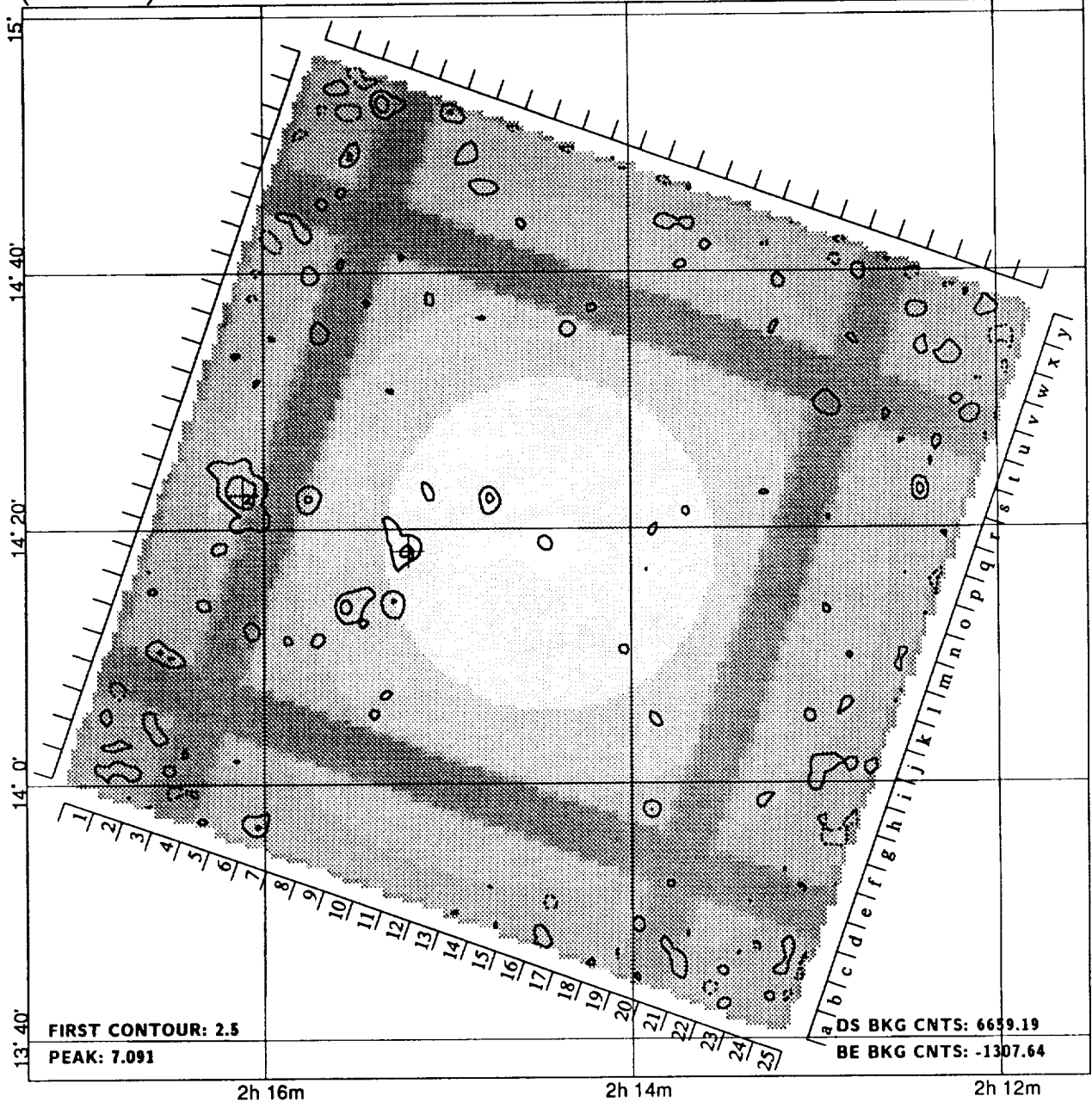
DATE: 1980/234 - 1980/234
 LIVETIME: 5124.3s
 ROLL ANGLE: -60.4°

NH: 7.8E+21
 REF/ID: SNR
 FIELD FLAGS: L

(2h 14m)

I 6339

(2h 14m)



N 071, EMISSION LINE GALAXY SURVEY

FIELD CENTER: 02^h 14^m 24.0^s 14° 18' 59" (B1950)
 02^h 17^m 07.3^s 14° 32' 51" (J2000)
 l : 152.06 b : -43.43

DATE: 1980/214 - 1980/214
 LIVETIME: 5396.1s
 ROLL ANGLE: -70.7°

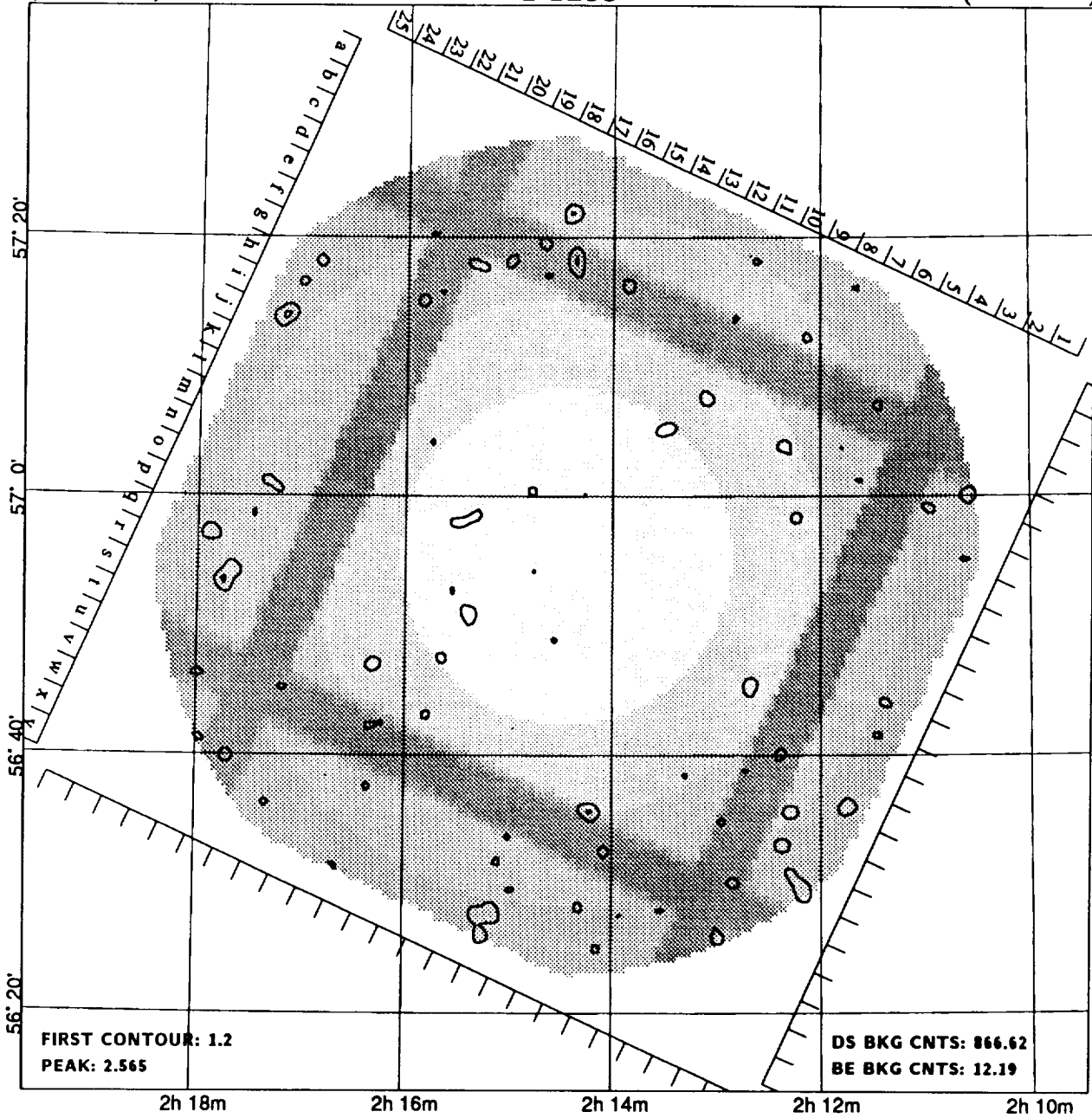
NH: 7.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
554	1	02 15 12.8	14 18 16	47	0.0054 0.0015	19.1	9.9	3.6	0.9	0	11.9		
555	2	02 16 06.8	14 22 43	56	*0.0082 0.0022	19.5	8.5	3.7	1.7	602	25.2	H	

(2h 14m)

I 1233

(2h 14m)



FIRST CONTOUR: 1.2
 PEAK: 2.565

DS BKG CNTS: 866.62
 BE BKG CNTS: 12.19

H & CHI PERSEI GALACTIC PLANE SURVEY

FIELD CENTER: $02^h 14^m 32.1^s$ $56^\circ 55' 57''$ (B1950)
 $02^h 18^m 03.6^s$ $57^\circ 09' 47''$ (J2000)
 $l: 134.50$ $b: -3.75$

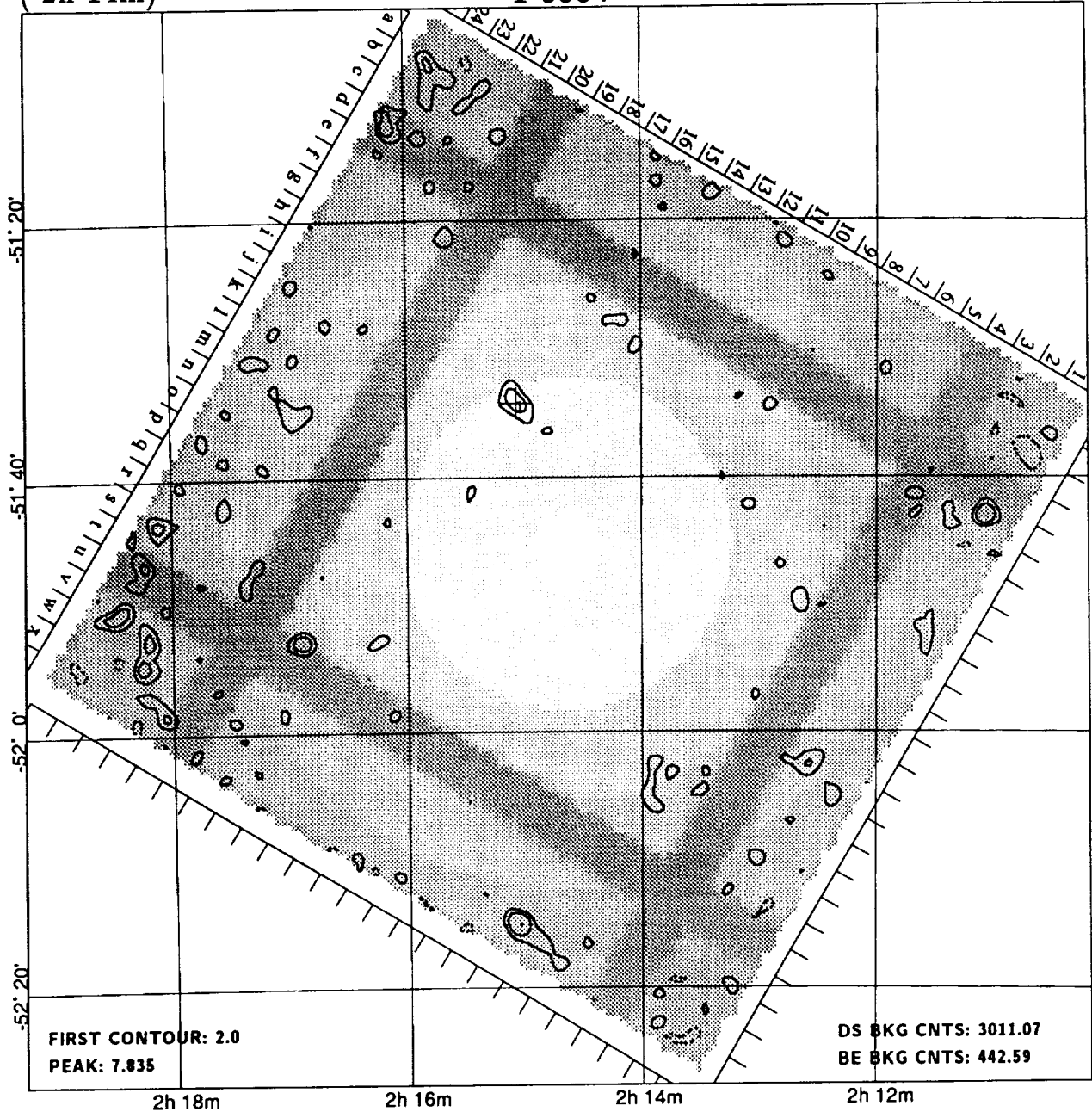
DATE: 1979/ 33 - 1979/ 33
 LIVETIME: 702.2s
 ROLL ANGLE: 114.7°

NH: $4.2E+21$
 REF/ID:
 FIELD FLAGS:

(2h 14m)

I 6004

(2h 14m)



Transition B Stars: PHI ERI (B7 III-IV)

FIELD CENTER: $02^h 14^m 43.0^s$ $-51^\circ 45' 29''$ (B1950)
 $02^h 16^m 29.6^s$ $-51^\circ 31' 37''$ (J2000)
 $l: 275.38$ $b: -60.81$

DATE: 1980/ 2 - 1980/ 2
 LIVETIME: 2439.9s
 ROLL ANGLE: 120.8°

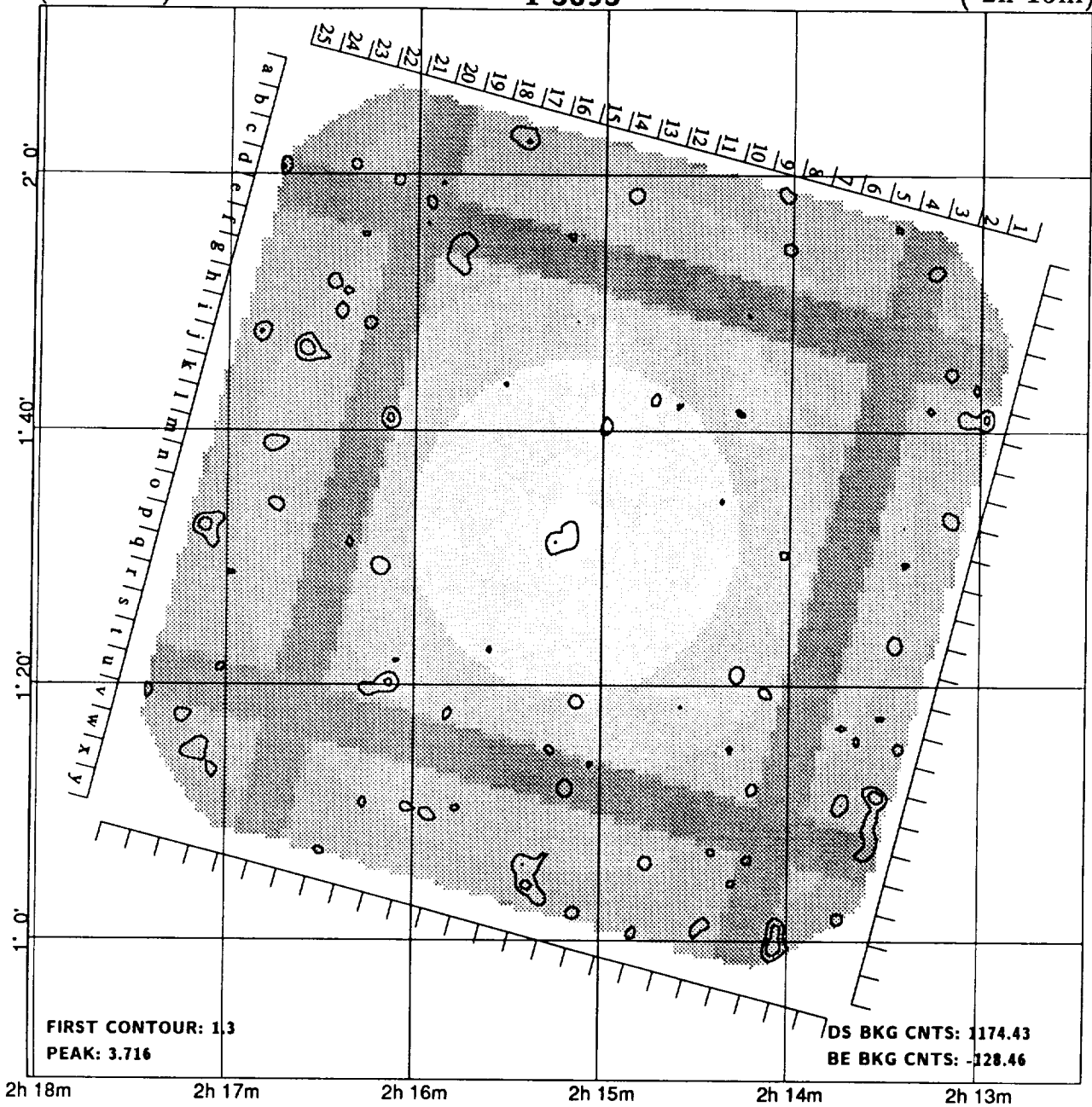
NH: $2.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID FLG
553	1	02 15 04.0	-51 34 16	43	0.0115	0.0032	18.2	7.8	3.6	0.8	0	11.5	H	

(2h 15m)

I 3895

(2h 15m)



0215+015, BL-LAC OBJECT

FIELD CENTER: $02^h 15^m 14.1^s$ $01^\circ 30' 59''$ (B1950)
 $02^h 17^m 48.9^s$ $01^\circ 44' 49''$ (J2000)
 $l: 162.14$ $b: -54.41$

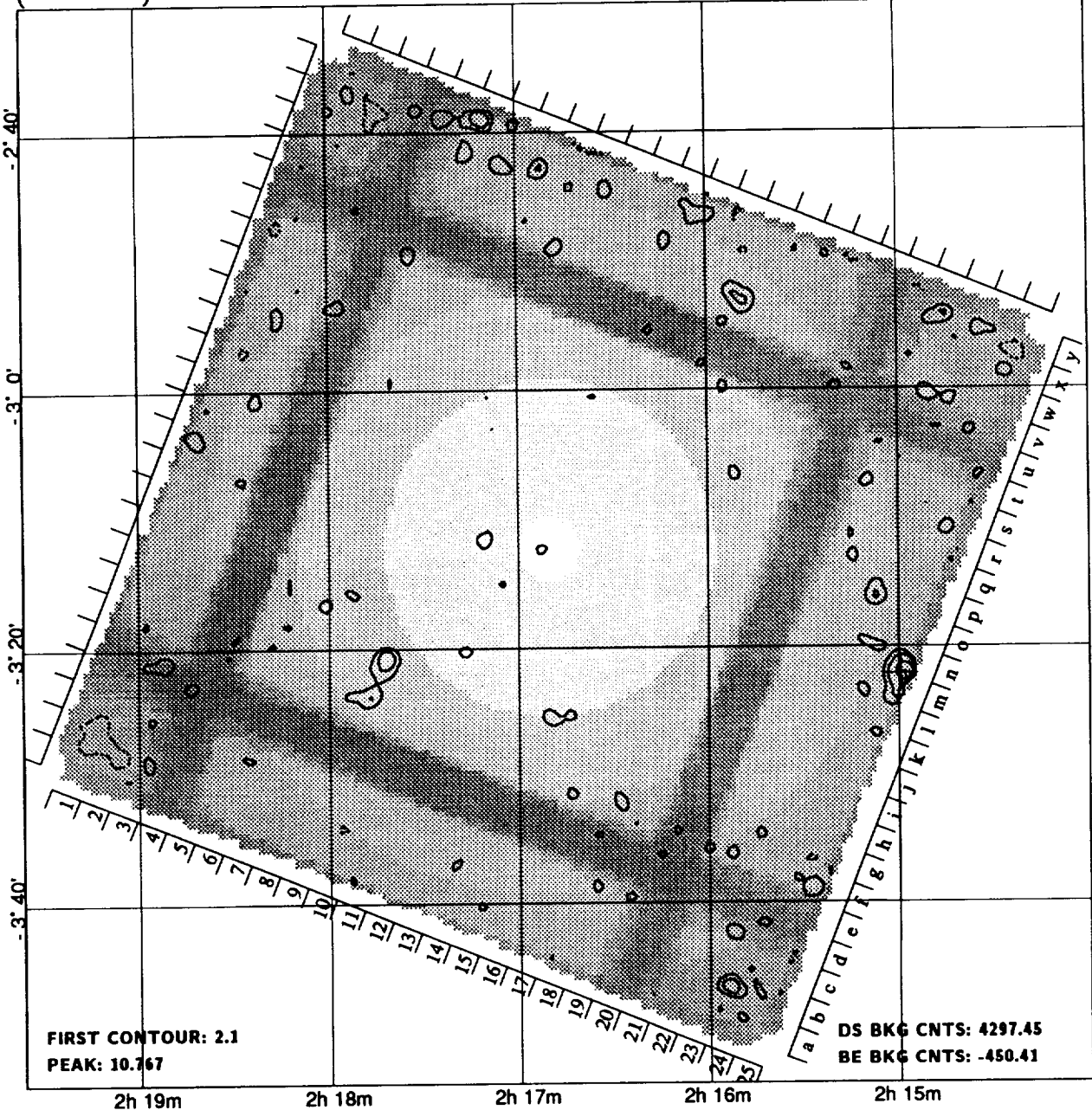
DATE: 1980/ 17 - 1980/ 17
 LIVETIME: 951.7s
 ROLL ANGLE: 104.6°

NH: $3.5E+20$
 REF/ID: !
 FIELD FLAGS:

(2h 16m)

I 2253

(2h 16m)



FIELD CENTER: $02^h 16^m 48.0^s$ $-03^{\circ} 11' 59''$ (B1950)
 $02^h 19^m 19.7^s$ $-02^{\circ} 58' 14''$ (J2000)
 $l: 167.74$ $b: -57.98$

DATE: 1979/191 - 1980/204
 LIVETIME: 3482.3s
 ROLL ANGLE: -68.3°

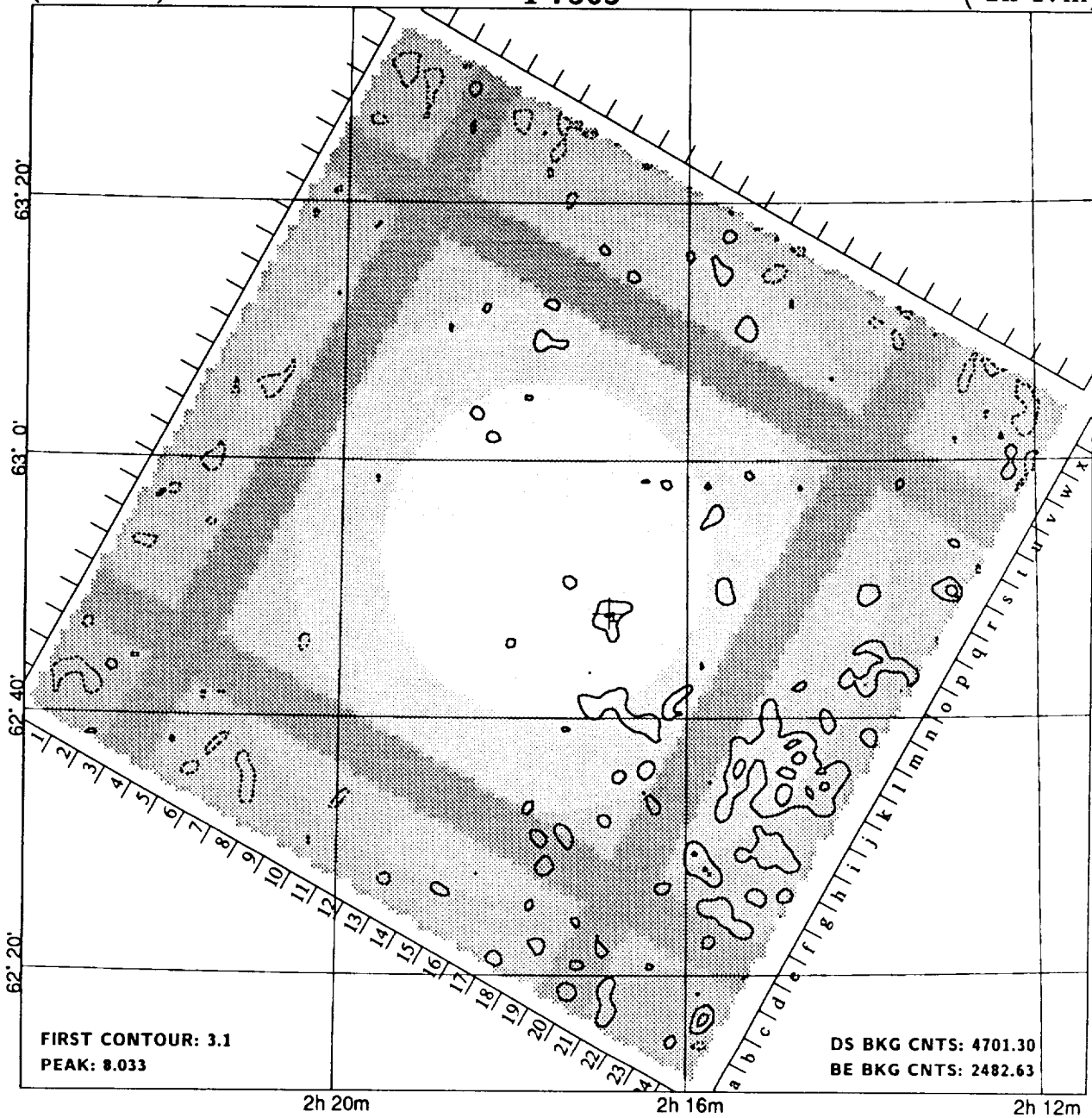
NH: $2.4E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
552	1	02 14 59.3	-03 22 06	52	*0.0223	0.0050	24.4	5.6	4.5	1.0	702	28.9	EH	Q

(2h 17m)

I 7563

(2h 17m)



HB3 SNR, POS 2

FIELD CENTER: 02^h17^m30.0^s 62°52'59" (B1950)
 02^h21^m18.7^s 63°06'41" (J2000)
 l : 132.89 b : 1.99

DATE: 1980/234 - 1980/234
 LIVETIME: 3809.6s
 ROLL ANGLE: -61.0°

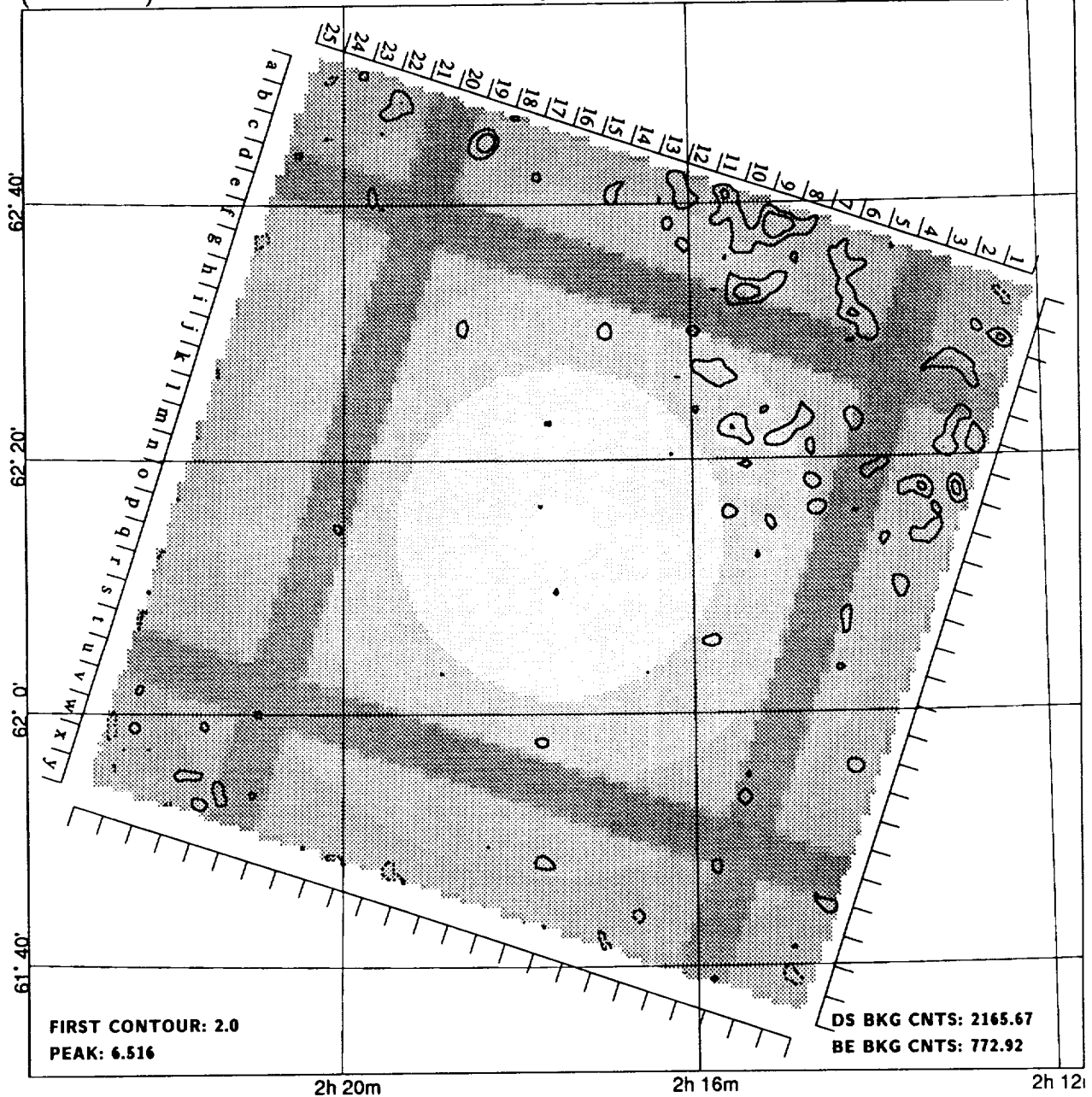
NH: 7.4E+21
 REF/ID: SNR
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
556	1	02 16 54.1	62 48 04	46	0.0091	0.0025	24.2	18.8	3.7	0.8	0	6.4	H	

(2h 17m)

I 3597

(2h 17m)



HB 3 SUPERNOVA REMNANT

FIELD CENTER: 02^h17^m36.0^s 62°13'47" (B1950)
 02^h21^m22.6^s 62°27'29" (J2000)
 l : 133.12 b : 1.38

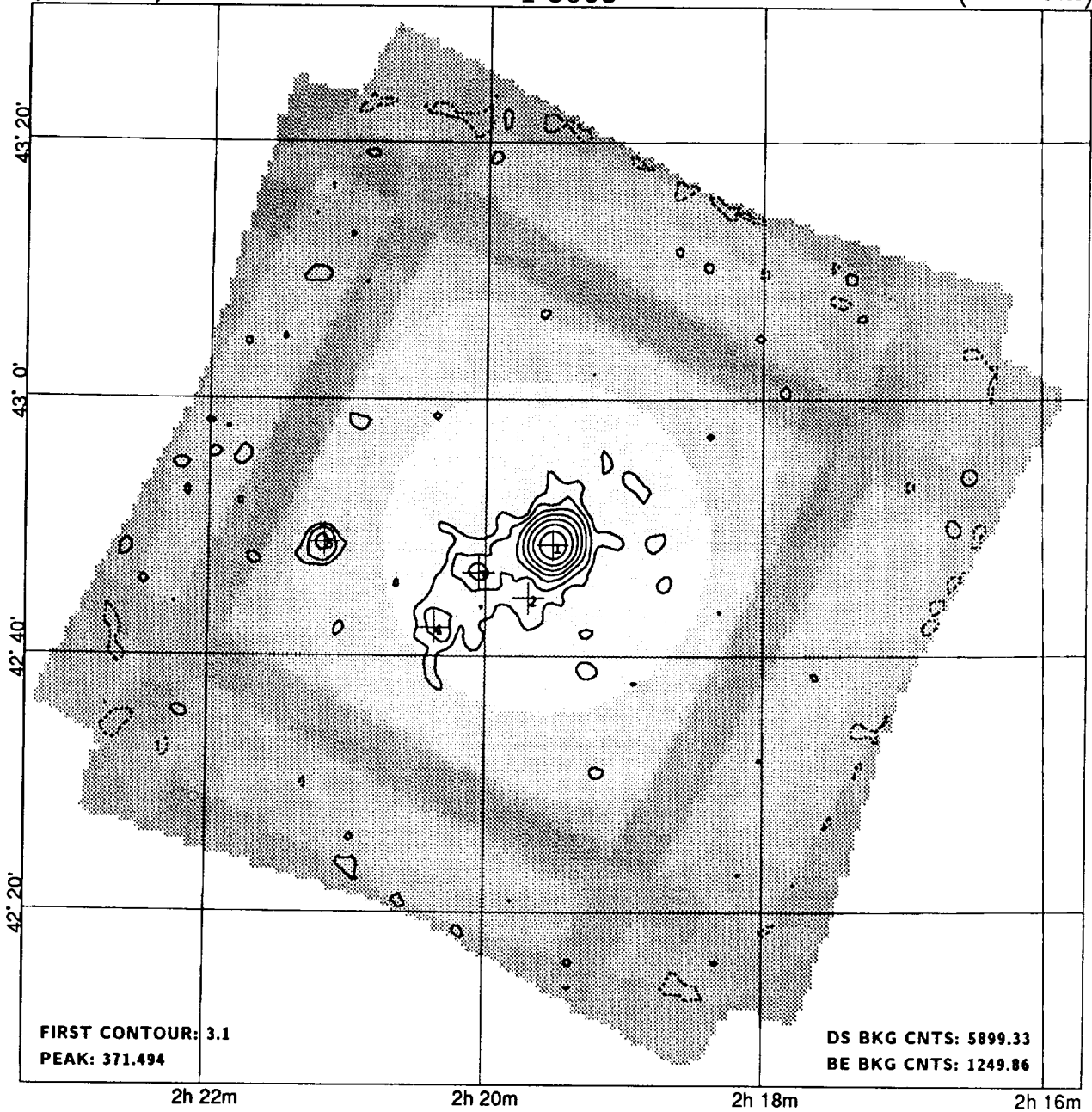
DATE: 1979/ 33 - 1979/ 34
 LIVETIME: 1754.9s
 ROLL ANGLE: 108.2°

NH: 8.0E+21
 REF/ID: SNR
 FIELD FLAGS:

(2h 19m)

I 3068

(2h 19m)



BL LAC'S IN CLUSTERS OF GALAXIES: 3C 66A

FIELD CENTER: 02^h19^m30.0^s 42°48'28" (B1950)
 02^h22^m39.6^s 43°02'06" (J2000)
 l : 140.14 b : -16.77

DATE: 1979/210 - 1979/239
 LIVETIME: 4780.4s

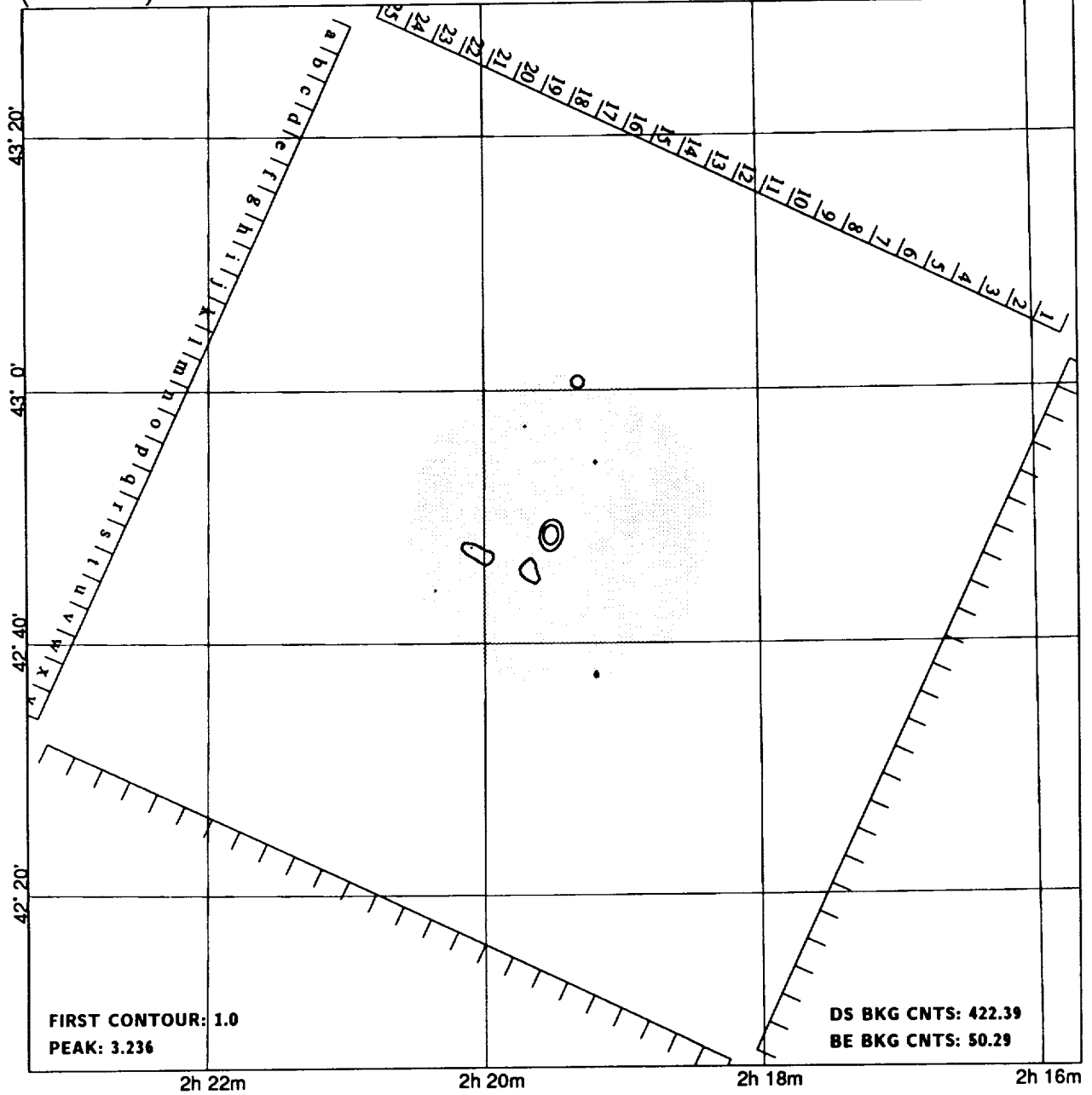
NH: 7.5E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
558	1	02 19 30.8	42 48 36	31	0.449	0.011	1598.7	18.3	39.8	1.6	0	0.2	AH	BL
559	2	02 19 41.4	42 44 28	41	0.0086	0.0020	29.7	19.3	4.2	69.0	0	4.5	H	
560	3	02 20 02.9	42 46 25	41	0.0171	0.0026	58.0	18.0	6.7	33.1	0	6.3	AH	G
562	4	02 20 22.2	42 42 13	44	0.0118	0.0023	37.1	16.9	5.0	58.8	0	11.4	A	
563	5	02 21 10.0	42 48 49	50	0.0167	0.0029	43.7	13.3	5.8	1.0	0	18.5	AH	RS

(2h 19m)

I 2709

(2h 19m)



QUASAR SURVEY: 3C66A

FIELD CENTER: 02^h19^m30.0^s 42°48'29" (B1950)
 02^h22^m39.6^s 43°02'07" (J2000)
 l : 140.14 b : -16.77

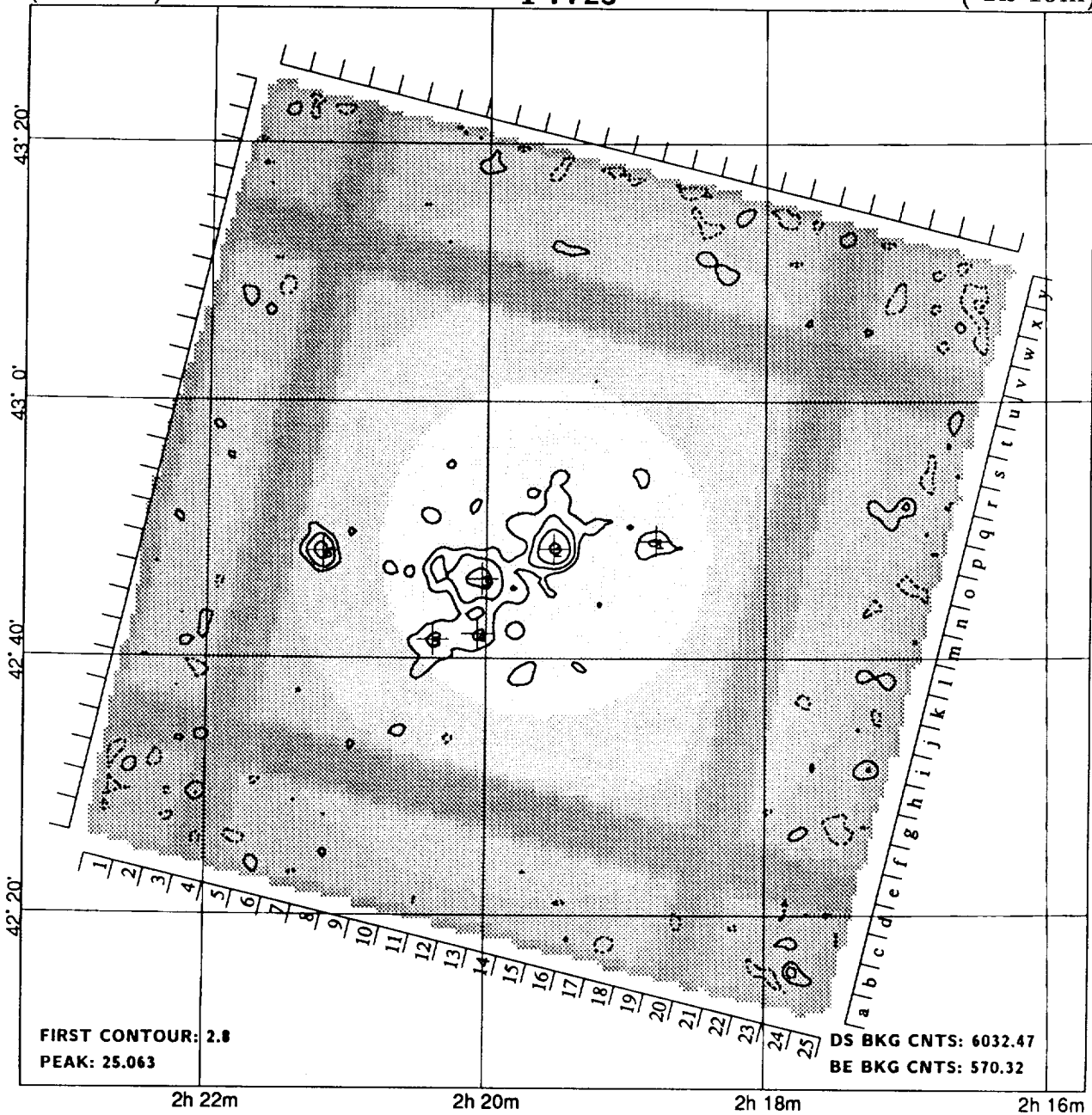
DATE: 1979/ 35 - 1979/ 35
 LIVETIME: 342.3s
 ROLL ANGLE: 114.9°

NH: 7.5E+20
 REF/ID:
 FIELD FLAGS: C

(2h 19m)

I 7725

(2h 19m)



3C 66A,BL LAC OBJECTS W/GROUPS OR CLUSTERS OF GALAXIES

FIELD CENTER: 02^h19^m30.0^s 42°48'29" (B1950)
 02^h22^m39.6^s 43°02'07" (J2000)
 $l: 140.14$ $b: -16.77$

DATE: 1980/205 - 1980/205
 LIVETIME: 4888.3s
 ROLL ANGLE: -76.3°

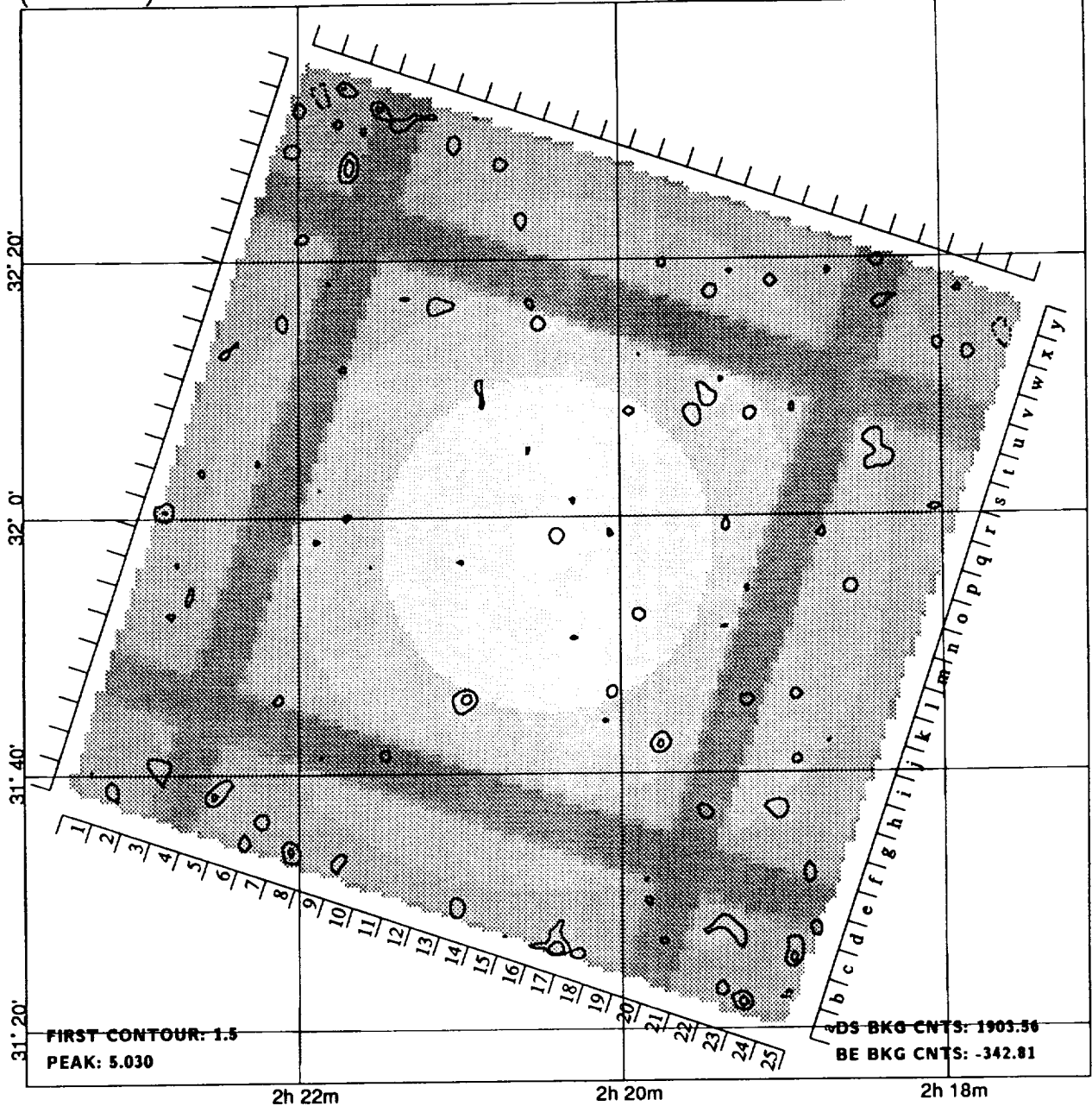
NH: 7.5E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
557	1	02 18 47.0	42 49 10	45	0.0064	0.0018	21.4	15.6	3.5	0.8	0	7.9	H	
558	2	02 19 31.1	42 48 32	31	0.0309	0.0031	112.7	16.3	9.9	3.8	0	0.2	AH	BL
560	3	02 20 01.9	42 46 13	41	0.0196	0.0026	68.2	16.8	7.4	5.7	0	6.4	AH	G
561	4	02 20 03.8	42 41 55	45	0.0091	0.0021	30.3	17.7	4.4	13.7	0	9.2	H	
562	5	02 20 23.0	42 41 28	45	0.0077	0.0020	24.5	15.5	3.9	18.8	0	11.6	AH	
563	6	02 21 10.6	42 48 21	51	0.0151	0.0027	40.6	10.4	5.7	1.0	200	18.5	AH	RS

(2h 20m)

I 2638

(2h 20m)



SEYFERT GALAXY SURVEY: AKN 81

FIELD CENTER: 02^h20^m24.0^s 31°57'59" (B1950)
 02^h23^m22.0^s 32°11'36" (J2000)
 l : 144.65 b : -26.77

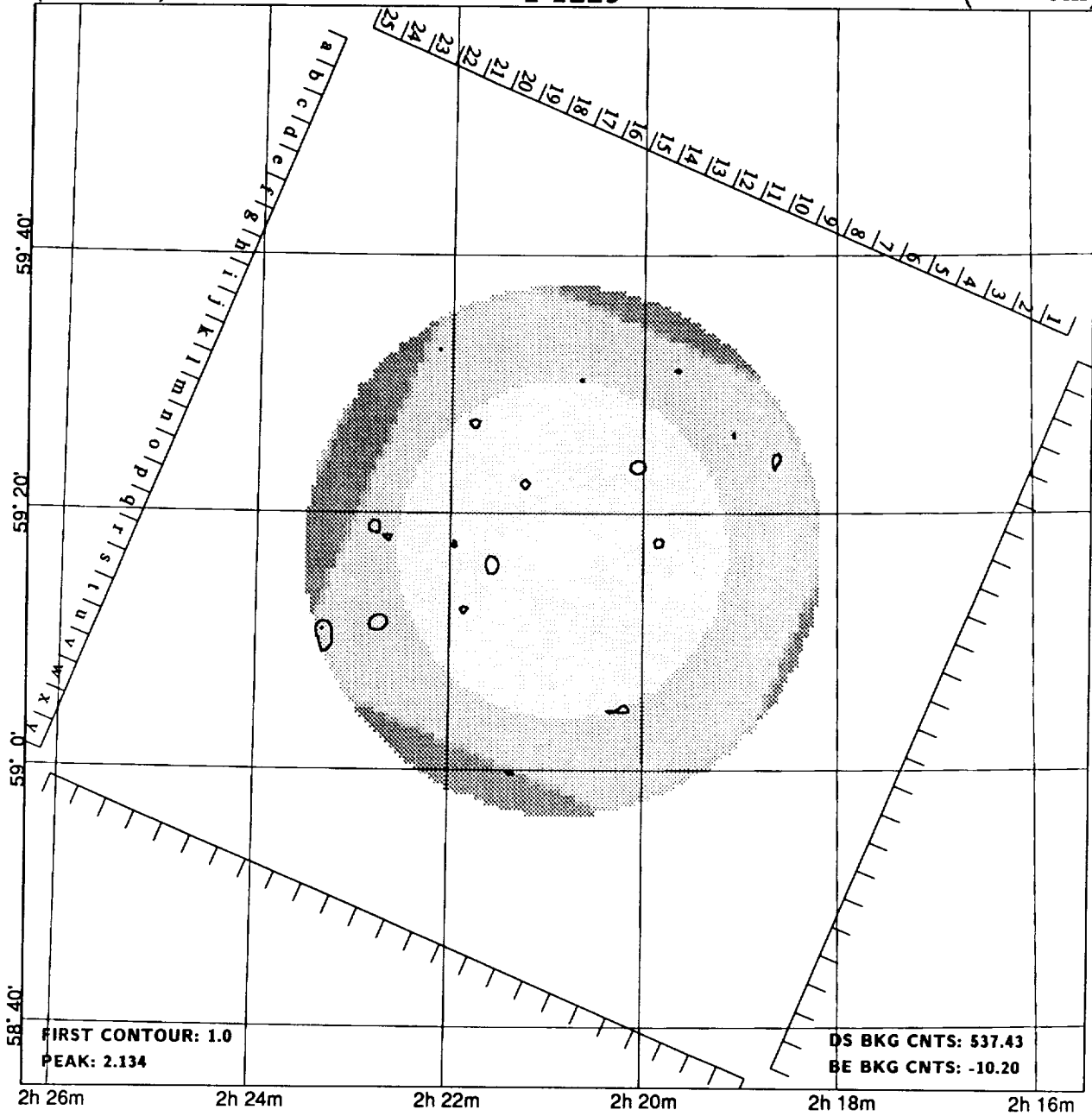
DATE: 1979/213 - 1979/213
LIVETIME: 1542.5s
ROLL ANGLE: -71.5°

NH: 6.6E+20
REF/ID:
FIELD FLAGS:

(2h 20m)

I 1229

(2h 20m)



H & CHI PERSEI GALACTIC PLANE SURVEY

FIELD CENTER: 02^h20^m53.1^s 59°17'16" (B1950)
 02^h24^m32.7^s 59°30'50" (J2000)
 l : 134.50 b : -1.25

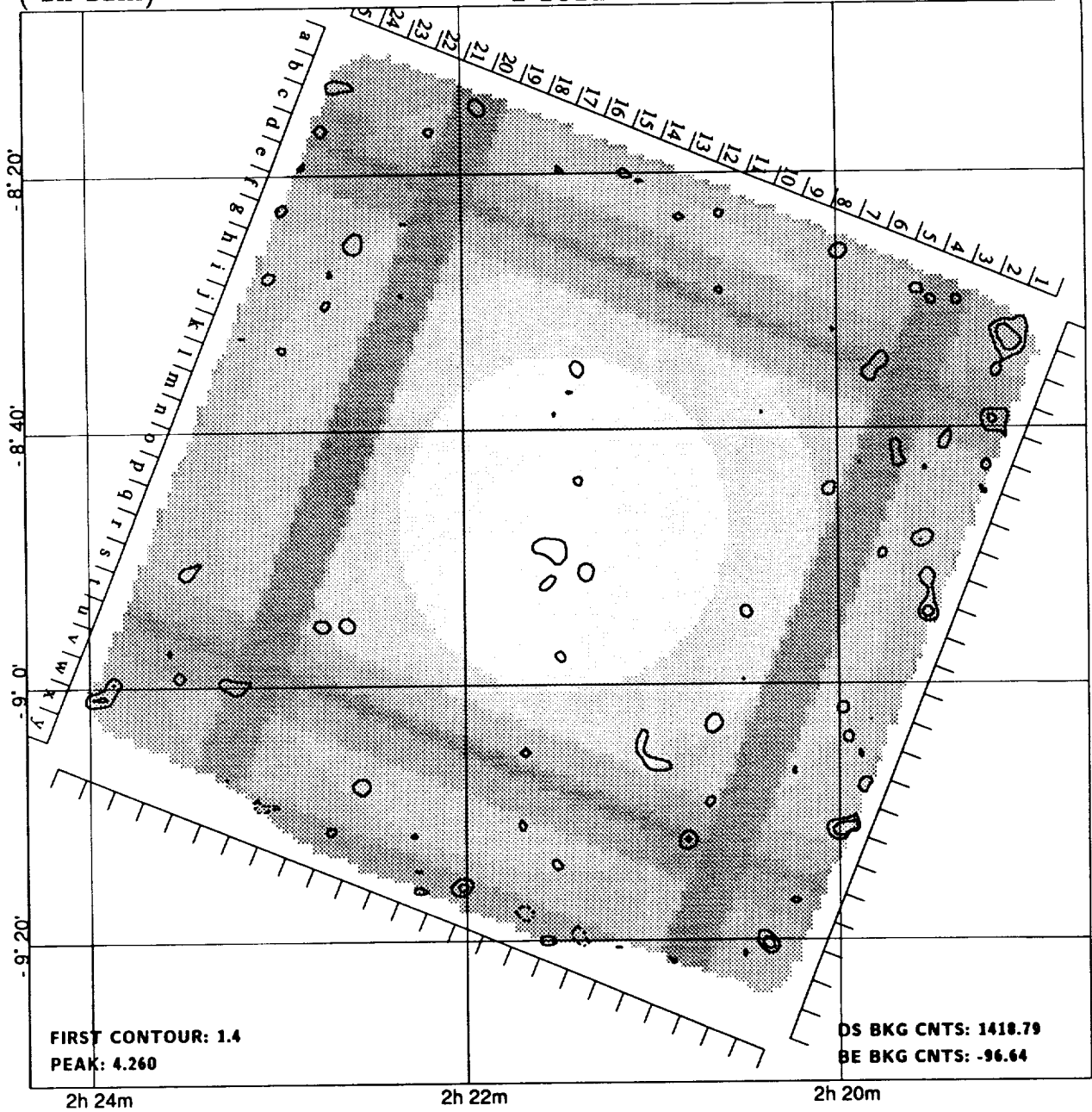
DATE: 1979/ 34 - 1979/ 34
 LIVETIME: 435.5s
 ROLL ANGLE: 113.0°

NH: 6.8E+21
 REF/ID:
 FIELD FLAGS:

(2h 21m)

I 1812

(2h 21m)



0221-0849: X-RAY STUDY OF CLUSTERS OF GALAXIES

FIELD CENTER: $02^h 21^m 30.0^s -08^\circ 48' 59''$ (B1950)
 $02^h 23^m 57.8^s -08^\circ 35' 25''$ (J2000)
 $l: 176.98 \quad b: -61.33$

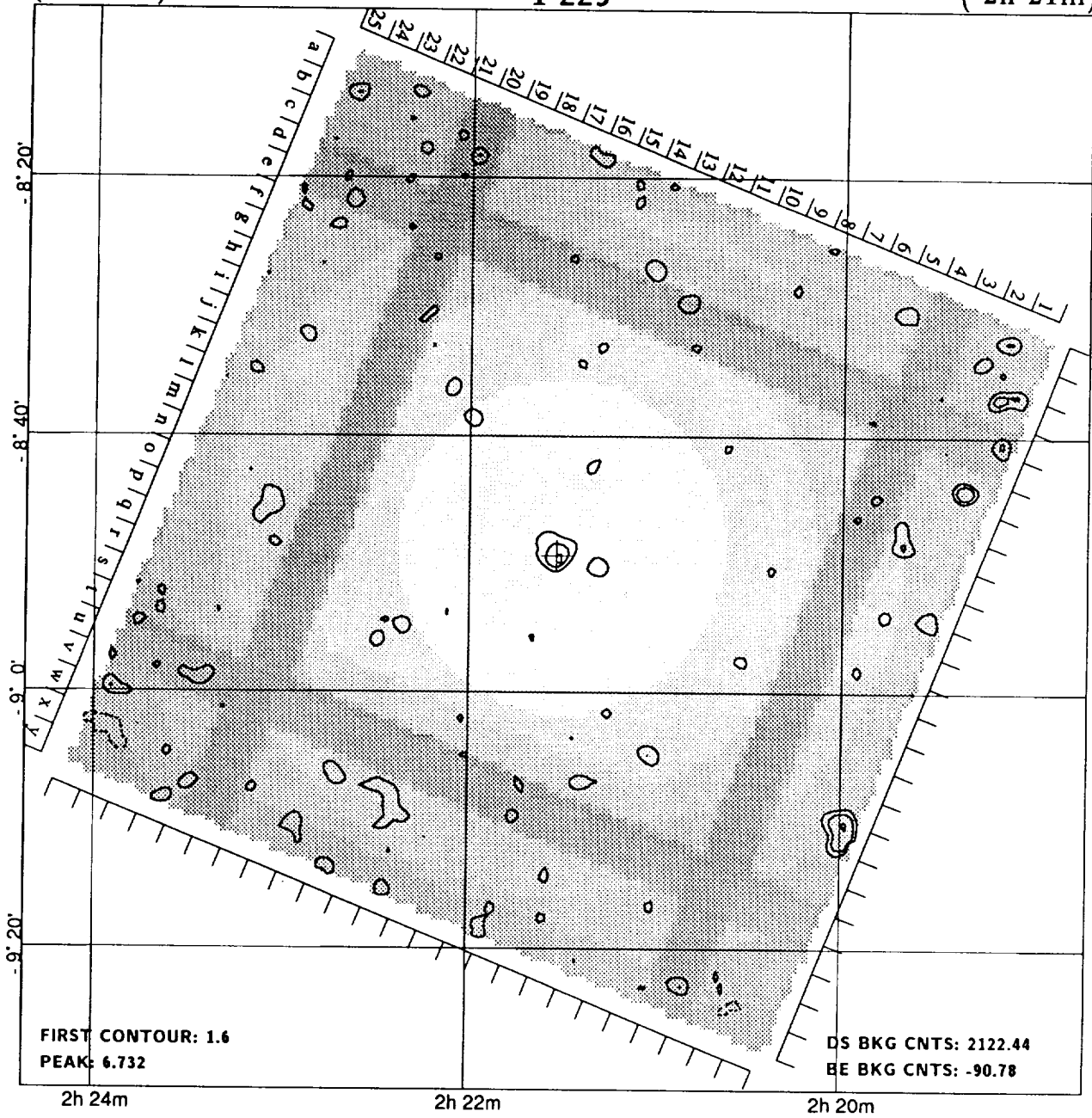
DATE: 1979/ 28 - 1979/ 29
 LIVETIME: 1149.7s
 ROLL ANGLE: 111.9°

NH: $3.2E+20$
 REF/ID:
 FIELD FLAGS:

(2h 21m)

I 229

(2h 21m)



A 348 CLUSTER EVOLUTION

FIELD CENTER: $02^h 21^m 32.0^s$ $-08^\circ 48' 59''$ (B1950)
 $02^h 23^m 59.8^s$ $-08^\circ 35' 25''$ (J2000)
 $l: 176.99$ $b: -61.32$

DATE: 1979/ 28 - 1979/ 29
 LIVETIME: 1719.9s
 ROLL ANGLE: 111.9°

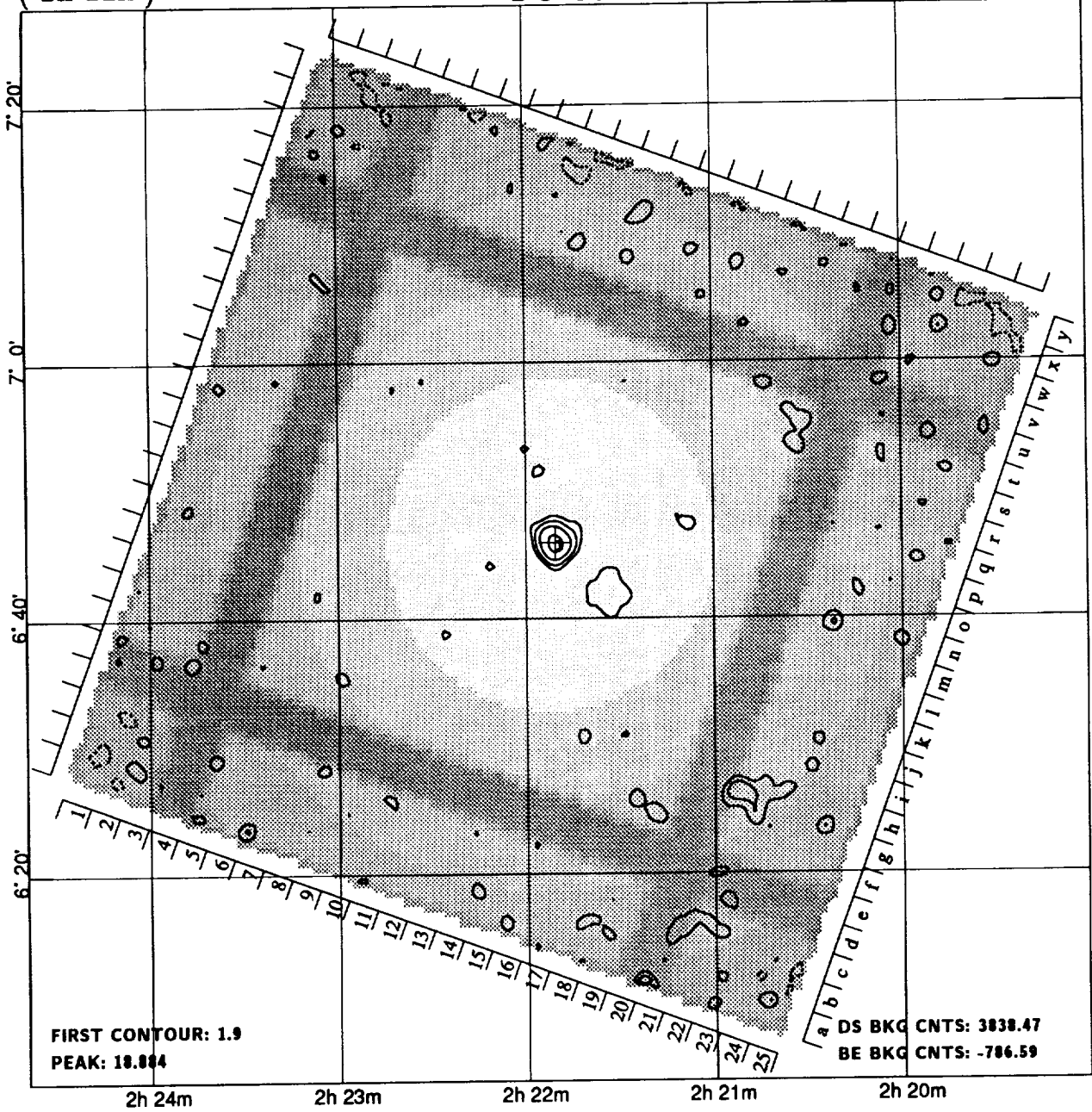
NH: $3.2E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
564	1	02 21 31.8	-08 49 20	36	0.0166	0.0040	21.3	4.7	4.2	0.9	0	0.4	H	CLG

(2h 21m)

I 3256

(2h 21m)



FIRST CONTOUR: 1.9
 PEAK: 18.884

DS BKG CNTS: 3838.47
 BE BKG CNTS: -786.59

0221+06: EXTRAGALACTIC STRONG MILLIMETER SOURCES

FIELD CENTER: 02^h 21^m 50.0^s 06° 45' 49" (B1950)
 02^h 24^m 28.5^s 06° 59' 22" (J2000)
l: 159.72 *b*: -49.12

DATE: 1979/201 - 1979/202
 LIVETIME: 3110.4s
 ROLL ANGLE: -70.0°

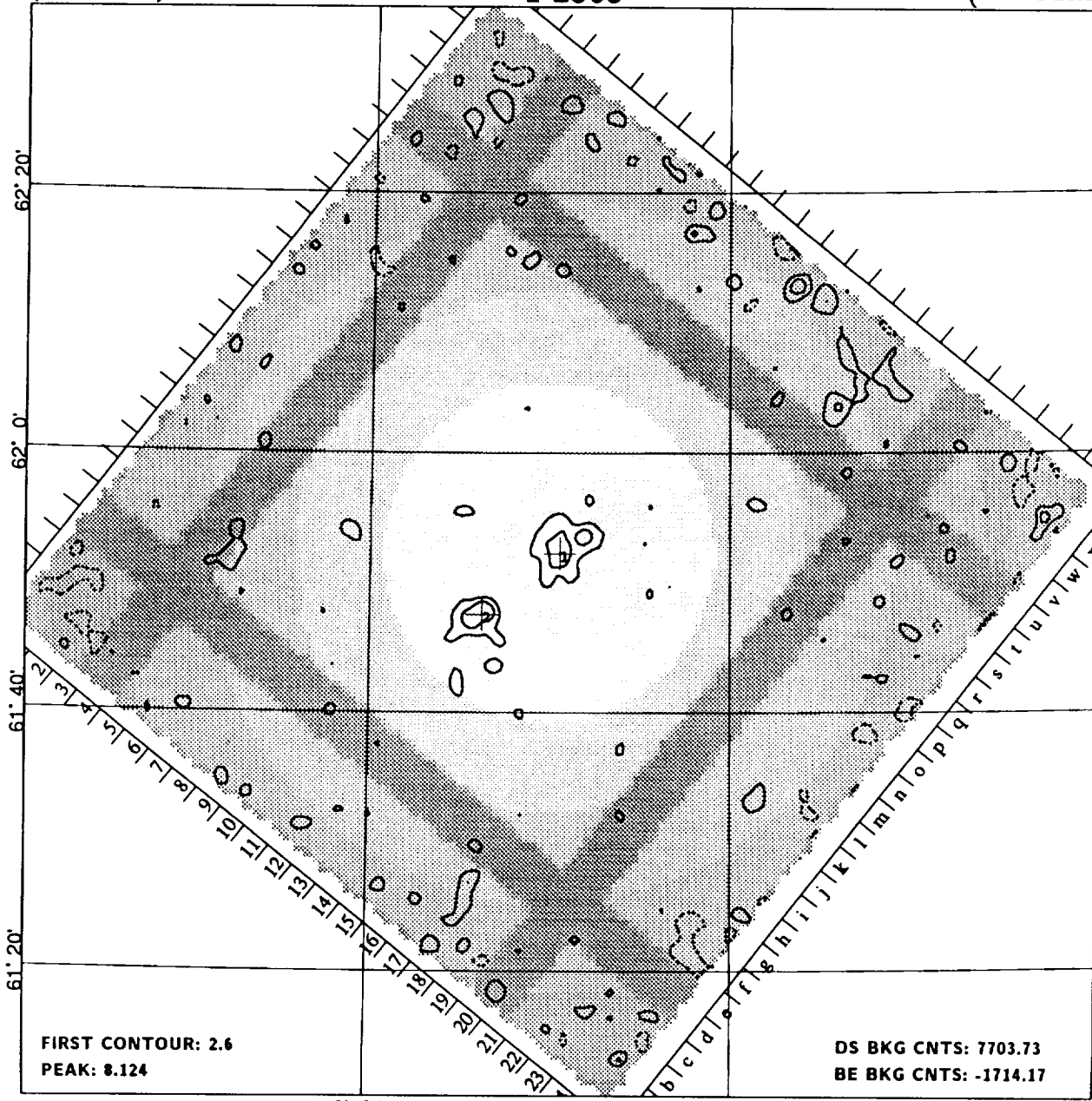
NH: 5.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
565	1	02 21 50.7	06 45 52	32	0.0366	0.0041	85.0	7.0	8.9	1.1	0	0.4	H	*

(2h 21m)

I 2565

(2h 21m)



ENERGETIC MOLECULAR CLOUDS: W3IRS5

FIELD CENTER: 02^h21^m53.0^s 61°52'21" (B1950)
 02^h25^m40.5^s 62°05'52" (J2000)
l: 133.71 *b*: 1.22

DATE: 1979/240 - 1979/240
 LIVETIME: 6242.5s
 ROLL ANGLE: -51.6°

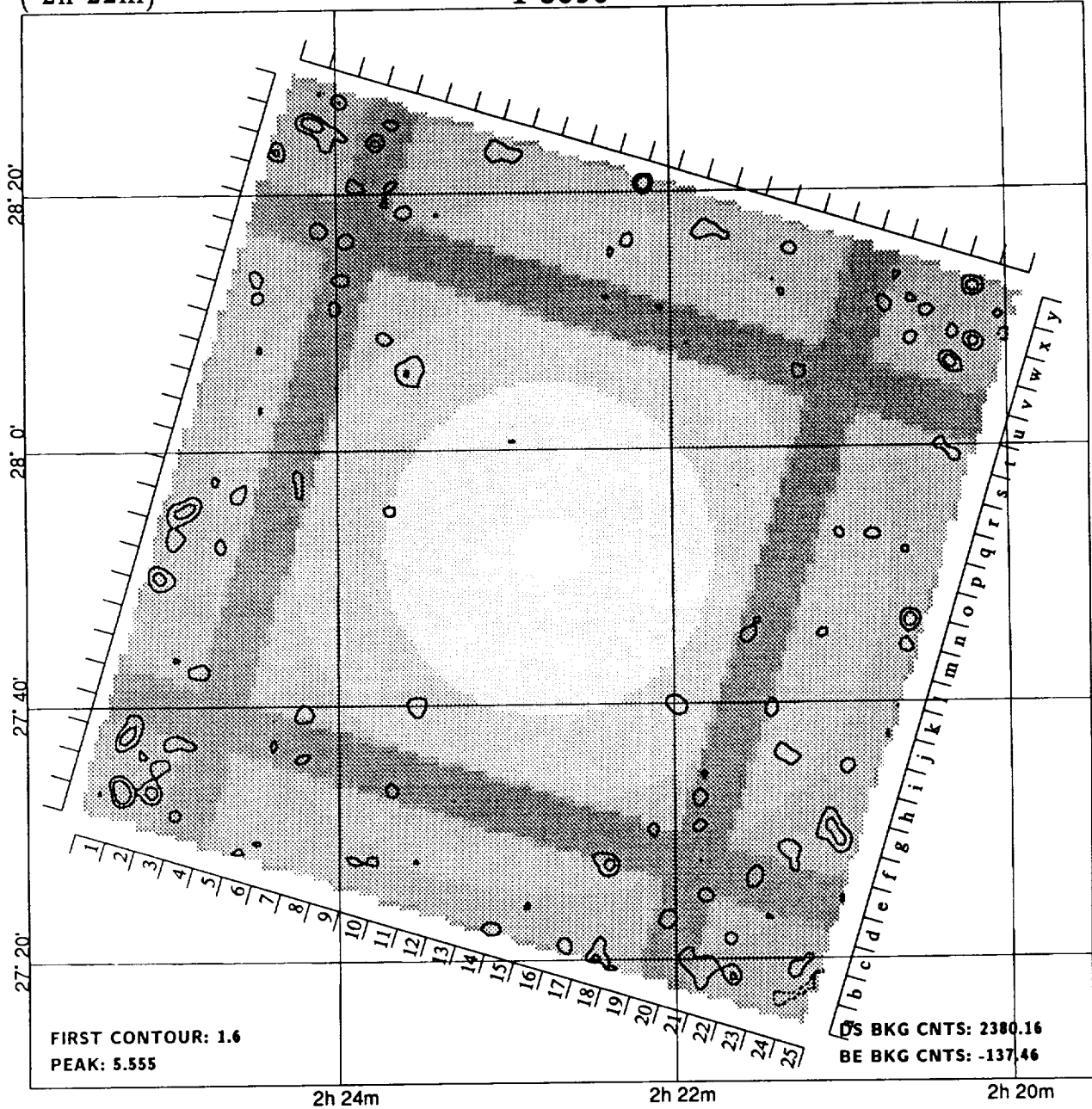
NH: 8.1E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
566	1	02 21 53.2	61 52 13	36	0.0071	0.0015	33.2	13.8	4.8	2.0	0	0.2	H
567	2	02 22 45.1	61 47 32	42	0.0078	0.0016	33.6	14.4	4.9	1.2	0	7.8	

(2h 22m)

I 8696

(2h 22m)



RW TRI, CATAclySMIC VARIABLES

FIELD CENTER: 02^h22^m41.0^s 27°52'23" (B1950)
 02^h25^m35.6^s 28°05'54" (J2000)
 l : 147.02 b : -30.33

DATE: 1980/206 - 1980/206
 LIVETIME: 1928.7s
 ROLL ANGLE: -73.2°

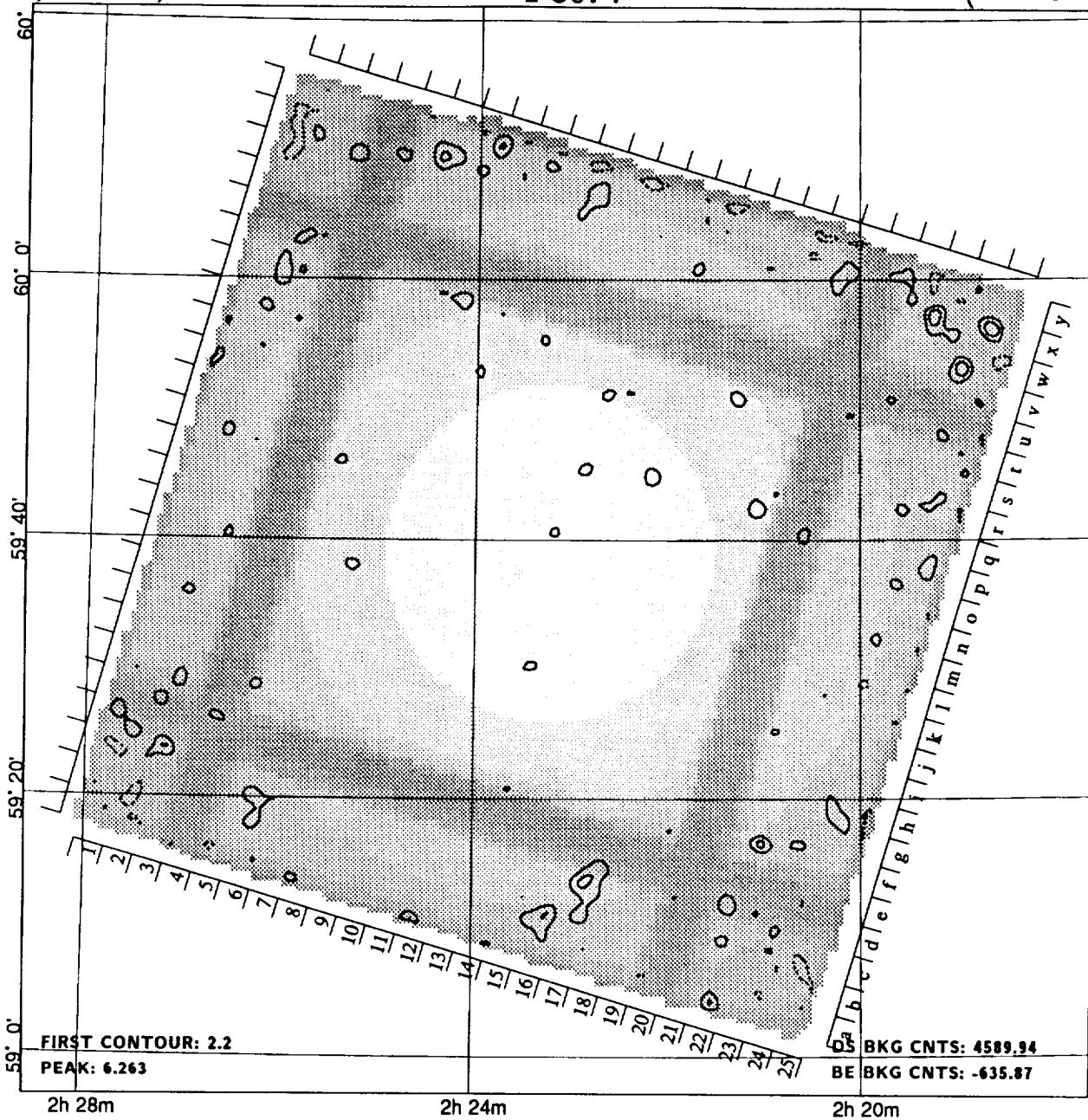
NH: 7.5E+20
 REF/ID:
 FIELD FLAGS:

C-5

(2h 23m)

I 5074

(2h 23m)



EMPTY FIELD IN CAS (MISPOINT)

FIELD CENTER: 02^h23^m08.0^s 59°39'04" (B1950)
 02^h26^m49.5^s 59°52'32" (J2000)
l: 134.64 *b*: -0.81

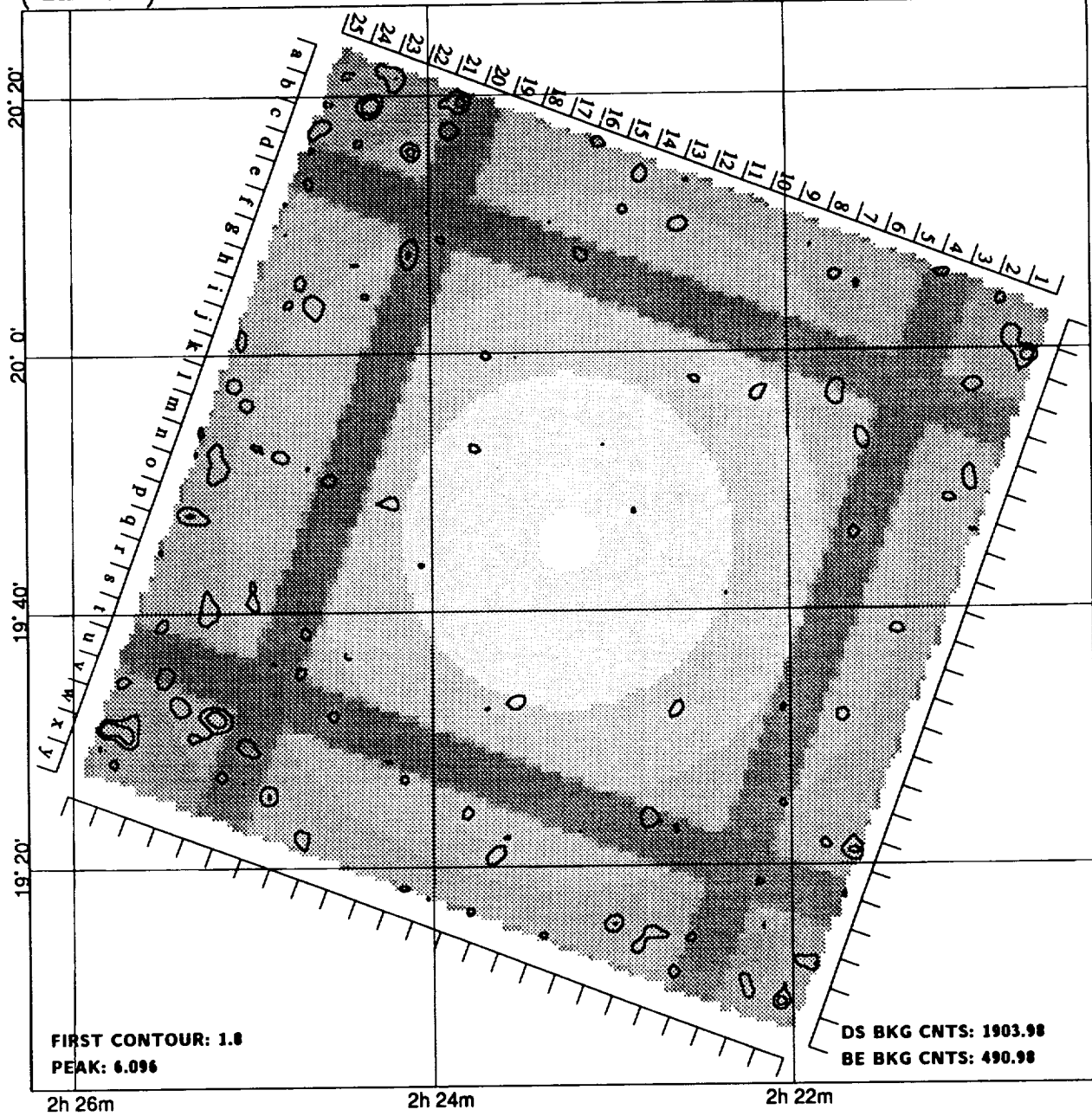
DATE: 1980/227 - 1980/227
 LIVETIME: 3719.4s
 ROLL ANGLE: -73.6°

NH: 7.2E+21
 REF/ID:
 FIELD FLAGS:

(2h 23m)

I 9204

(2h 23m)



FIRST CONTOUR: 1.8
PEAK: 6.096

DS BKG CNTS: 1903.98
BE BKG CNTS: 490.98

UNIDENTIFIED 3A SOURCES:3A 0223+197

FIELD CENTER: 02^h23^m16.8^s 19°44'59" (B1950)
02^h26^m04.8^s 19°58'28" (J2000)
l: 151.37 b: -37.62

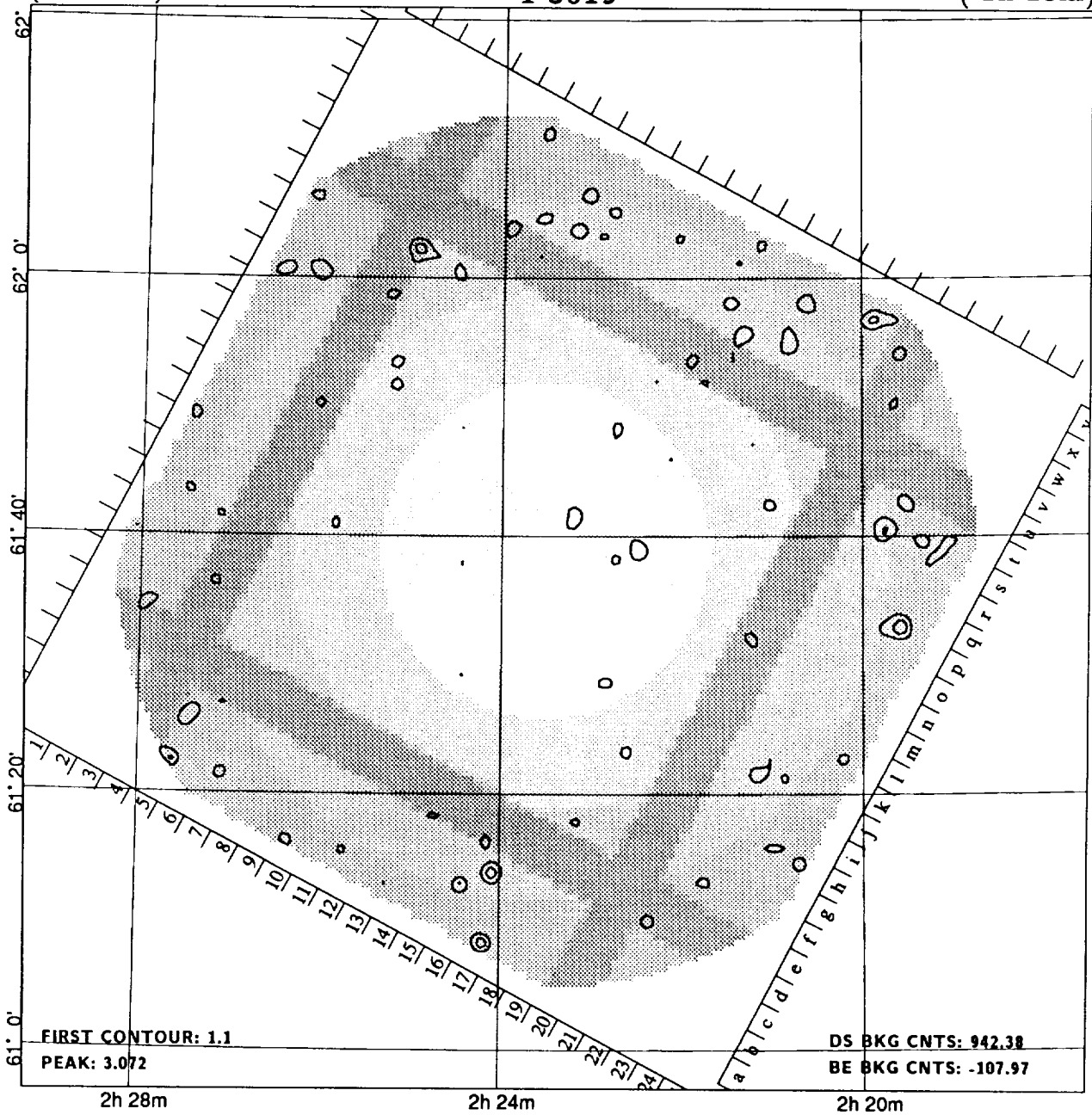
DATE: 1981/ 46 - 1981/ 46
LIVETIME: 1542.8s
ROLL ANGLE: 110.4°

NH: 9.5E+20
REF/ID:
FIELD FLAGS:

(2h 23m)

I 3019

(2h 23m)



MISCELLANEOUS GALACTIC OBJECTS: W3 (OH)

FIELD CENTER: $02^h 23^m 24.0^s$ $61^\circ 38' 59''$ (B1950)
 $02^h 27^m 11.4^s$ $61^\circ 52' 26''$ (J2000)
 $l: 133.96$ $b: 1.07$

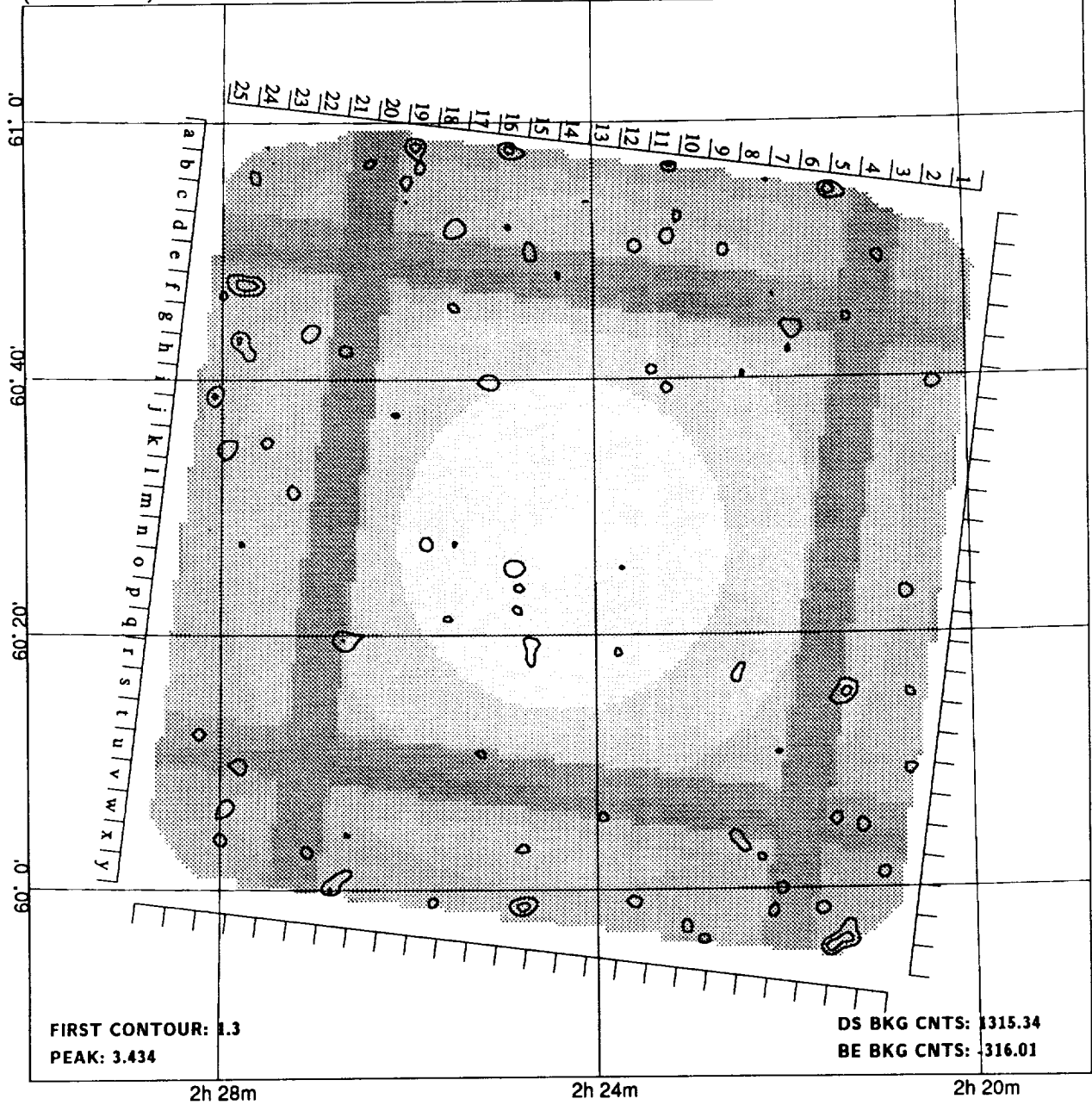
DATE: 1979/240 - 1979/240
 LIVETIME: 763.6s
 ROLL ANGLE: -62.1°

NH: $8.0E+21$
 REF/ID:
 FIELD FLAGS:

(2h 24m)

I 1227

(2h 24m)



H & CHI PERSEI GALACTIC PLANE SURVEY

FIELD CENTER: $02^{\text{h}}24^{\text{m}}24.0^{\text{s}}$ $60^{\circ}27'27''$ (B1950)
 $02^{\text{h}}28^{\text{m}}08.3^{\text{s}}$ $60^{\circ}40'52''$ (J2000)
 $l: 134.50$ $b: 0.00$

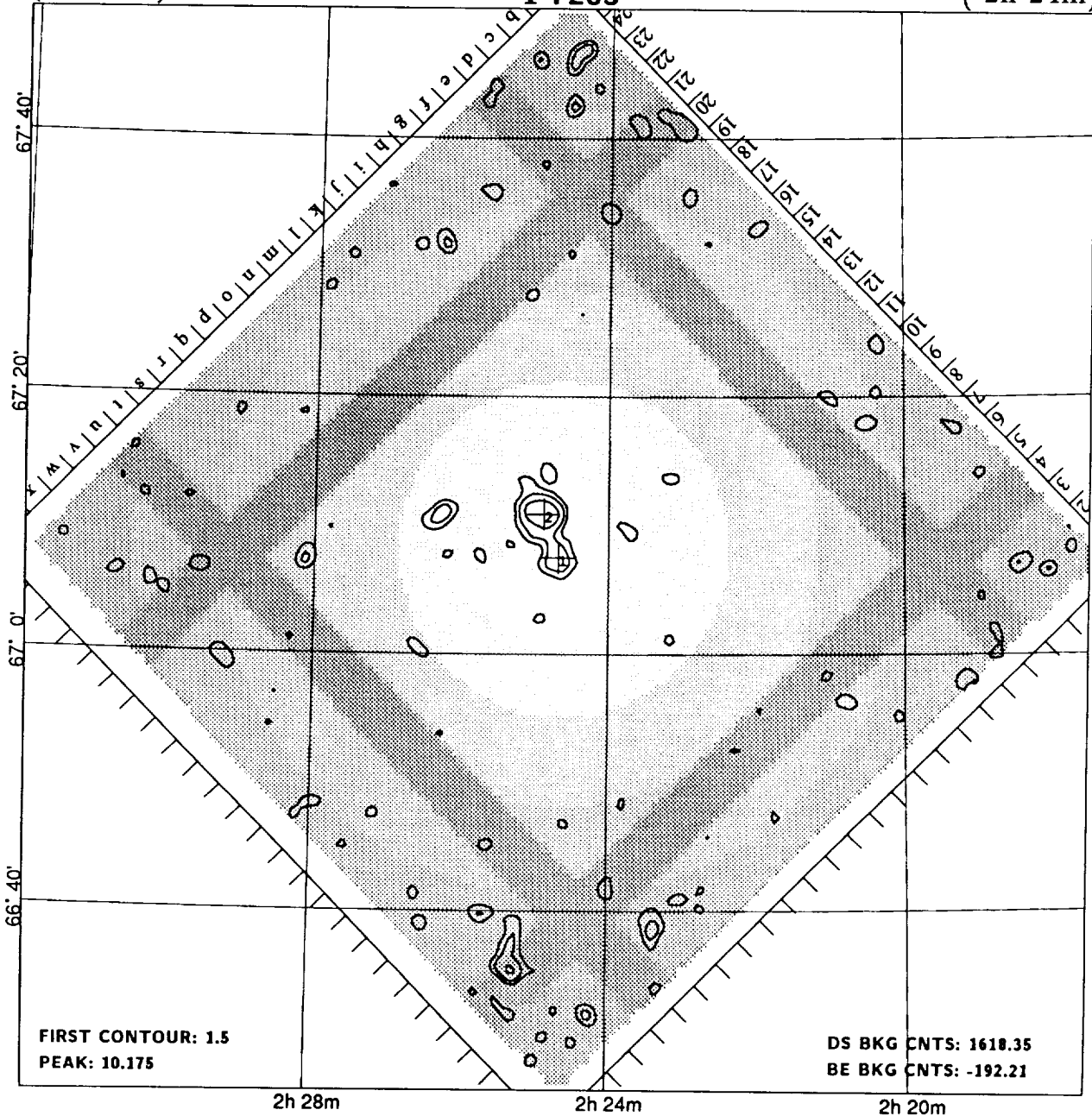
DATE: 1979/ 35 - 1979/ 35
LIVETIME: 1065.9s
ROLL ANGLE: 97.2°

NH: $7.7\text{E}+21$
REF/ID:
FIELD FLAGS:

(2h 24m)

I 7285

(2h 24m)



4C 67.05, LOW FREQ. VAR. EXTRAGAL. RADIO SOURCE

FIELD CENTER: 02^h24^m42.9^s 67°08'05" (B1950)
 02^h28^m51.8^s 67°21'29" (J2000)
 l : 132.12 b : 6.24

DATE: 1980/ 72 - 1980/ 72
 LIVETIME: 1358.5s
 ROLL ANGLE: 135.2°

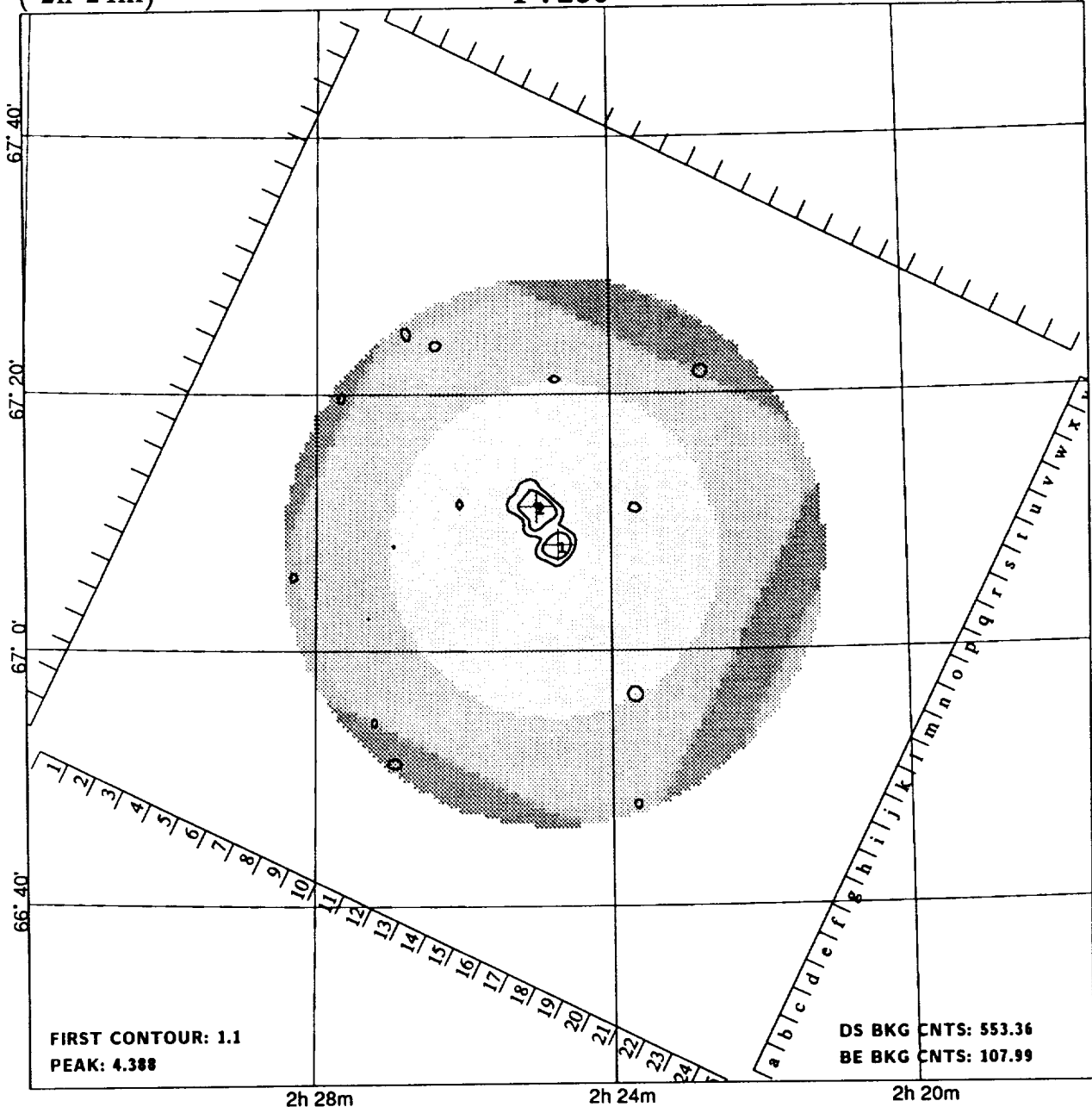
NH: 4.2E+21
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
570	1	02 24 40.9	67 07 26	37	0.0196	0.0047	19.8	3.2	4.1	3.7	0	0.7	A
571	2	02 24 53.2	67 10 49	35	0.0478	0.0072	47.4	3.6	6.6	1.7	0	2.7	AH

(2h 24m)

I 7286

(2h 24m)



4C 67.05, LOW FREQ. VAR. EXTRAGAL. RADIO SOURCE

FIELD CENTER: $02^h 24^m 42.9^s$ $67^\circ 08' 05''$ (B1950)
 $02^h 28^m 51.8^s$ $67^\circ 21' 29''$ (J2000)
 $l: 132.12$ $b: 6.24$

DATE: 1980/232 - 1980/233
 LIVETIME: 448.4s
 ROLL ANGLE: -64.1°

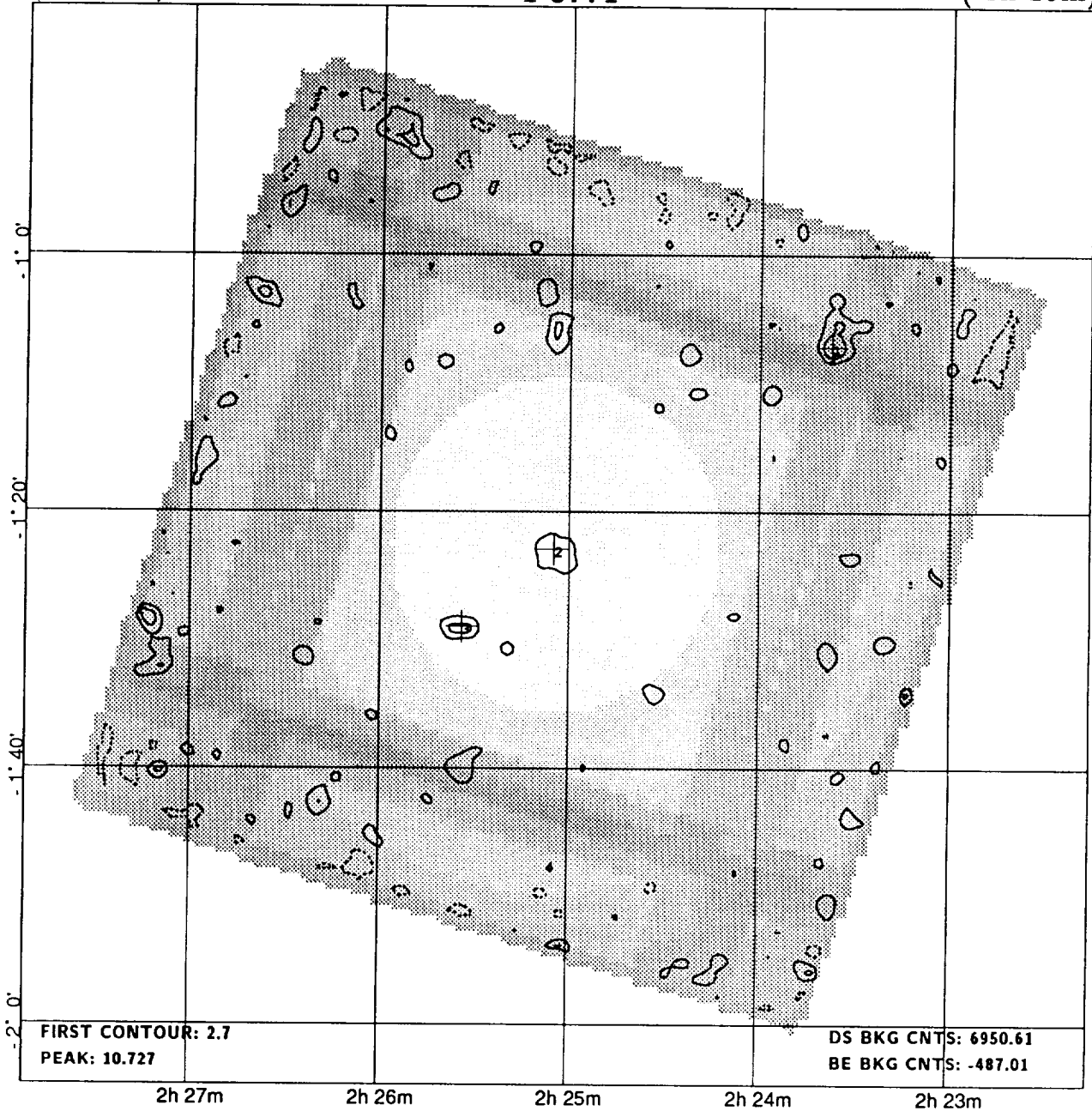
NH: $4.2E+21$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
570	1	02 24 43.4	67 08 19	37	0.046	0.012	15.4	1.6	3.7	2.4	0	0.2	AH	
571	2	02 25 00.9	67 11 19	37	0.054	0.013	17.4	1.6	4.0	2.0	0	4.0	AH	

(2h 25m)

I 5771

(2h 25m)



FIRST CONTOUR: 2.7
PEAK: 10.727

DS BKG CNTS: 6950.61
BE BKG CNTS: -487.01

2h 27m

2h 26m

2h 25m

2h 24m

2h 23m

NORMAL GALAXIES: N936

FIELD CENTER: 02^h25^m04.0^s -01°22'41" (B1950)
02^h27^m36.9^s -01°09'17" (J2000)
l: 168.57 b: -55.26

DATE: 1980/218 - 1981/ 28
LIVETIME: 5632.3s

NH: 2.7E+20

REF/ID:

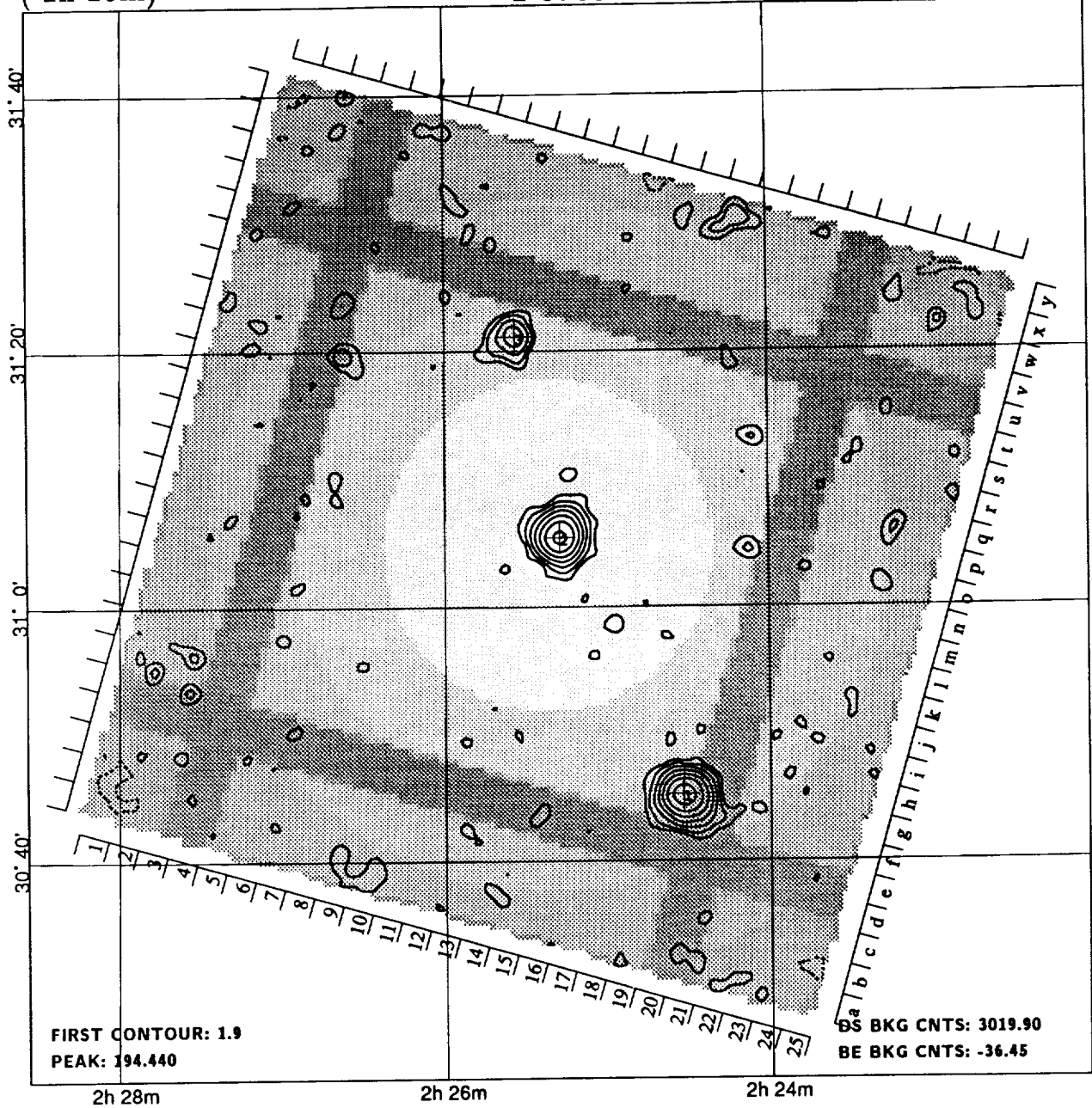
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	FLG
568	1	02 23 37.5	-01 07 06	55	*0.0077	0.0022	17.7	7.3	3.5	1.2	1509	26.9		
572	2	02 25 04.9	-01 22 54	43	0.0056	0.0015	23.6	15.4	3.8	1.3	0	0.8	H	G
575	3	02 25 33.9	-01 28 57	44	0.0066	0.0017	25.1	15.9	3.9	0.8	0	10.3	A	

(2h 25m)

I 6705

(2h 25m)



SEYFERT SURVEY: NGC 931

FIELD CENTER: $02^h 25^m 18.0^s$ $31^\circ 04' 59''$ (B1950)
 $02^h 28^m 15.9^s$ $31^\circ 18' 23''$ (J2000)
 $l: 146.12$ $b: -27.17$

DATE: 1980/206 - 1980/206
 LIVETIME: 2447.1s
 ROLL ANGLE: -74.1°

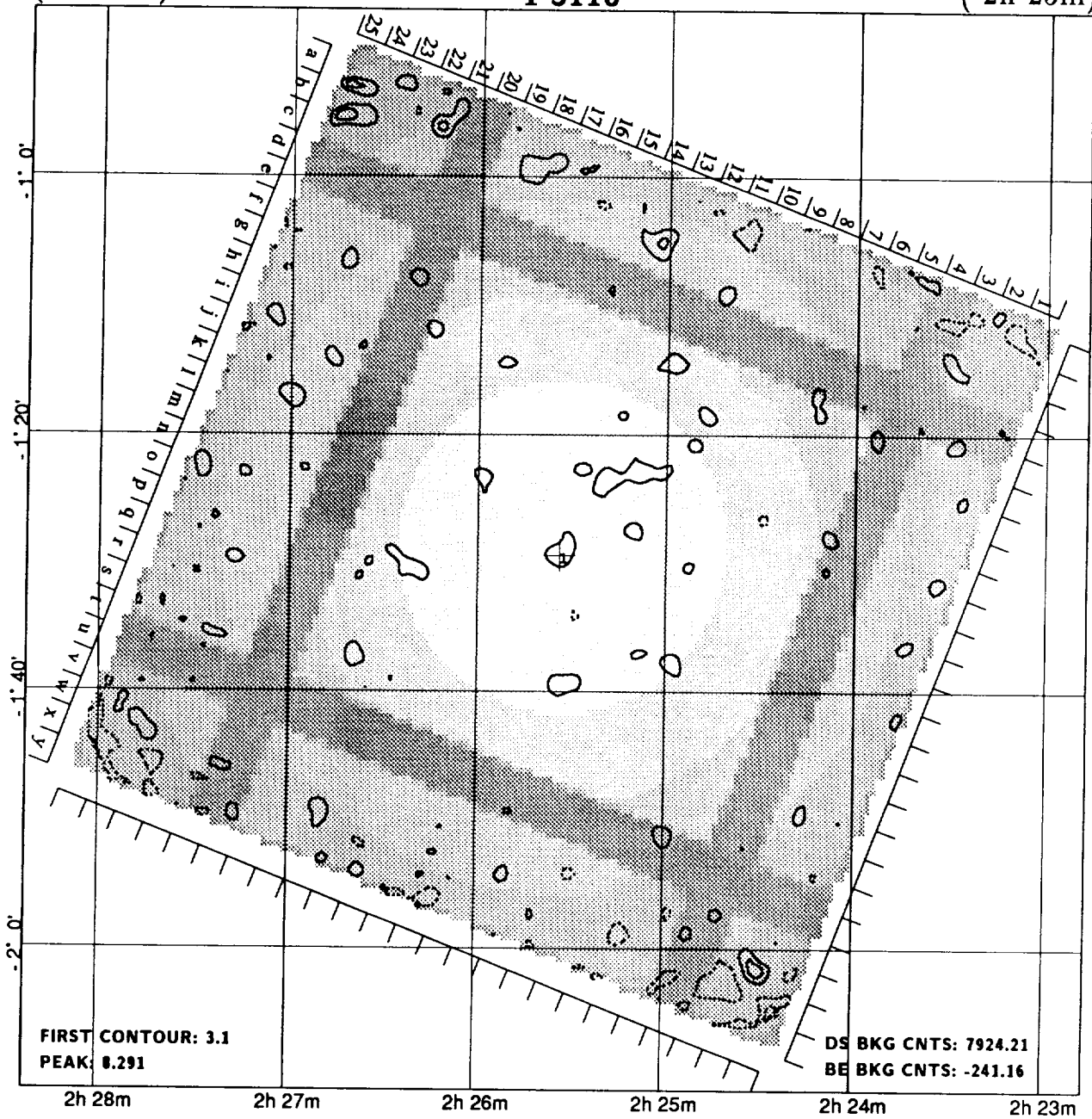
NH: $7.2E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
569	1	02 24 32.2	30 45 14	47	*0.434	0.019	505.3	5.7	22.4	1.2	603	21.9	H	
573	2	02 25 17.4	31 05 24	31	0.324	0.013	588.7	7.3	24.1	1.2	0	0.4	H	
574	3	02 25 33.7	31 21 06	49	0.0426	0.0058	58.7	6.3	7.3	1.1	0	16.5	H	AGN

(2h 25m)

I 5118

(2h 25m)



QSO 0225-014(4C-01.11,OD043)

FIELD CENTER: $02^h 25^m 35.0^s -01^\circ 29' 03''$ (B1950)
 $02^h 28^m 07.8^s -01^\circ 15' 40''$ (J2000)
 $l: 168.86 \quad b: -55.26$

DATE: 1980/ 17 - 1980/ 17
 LIVETIME: 6421.2s
 ROLL ANGLE: 111.1°

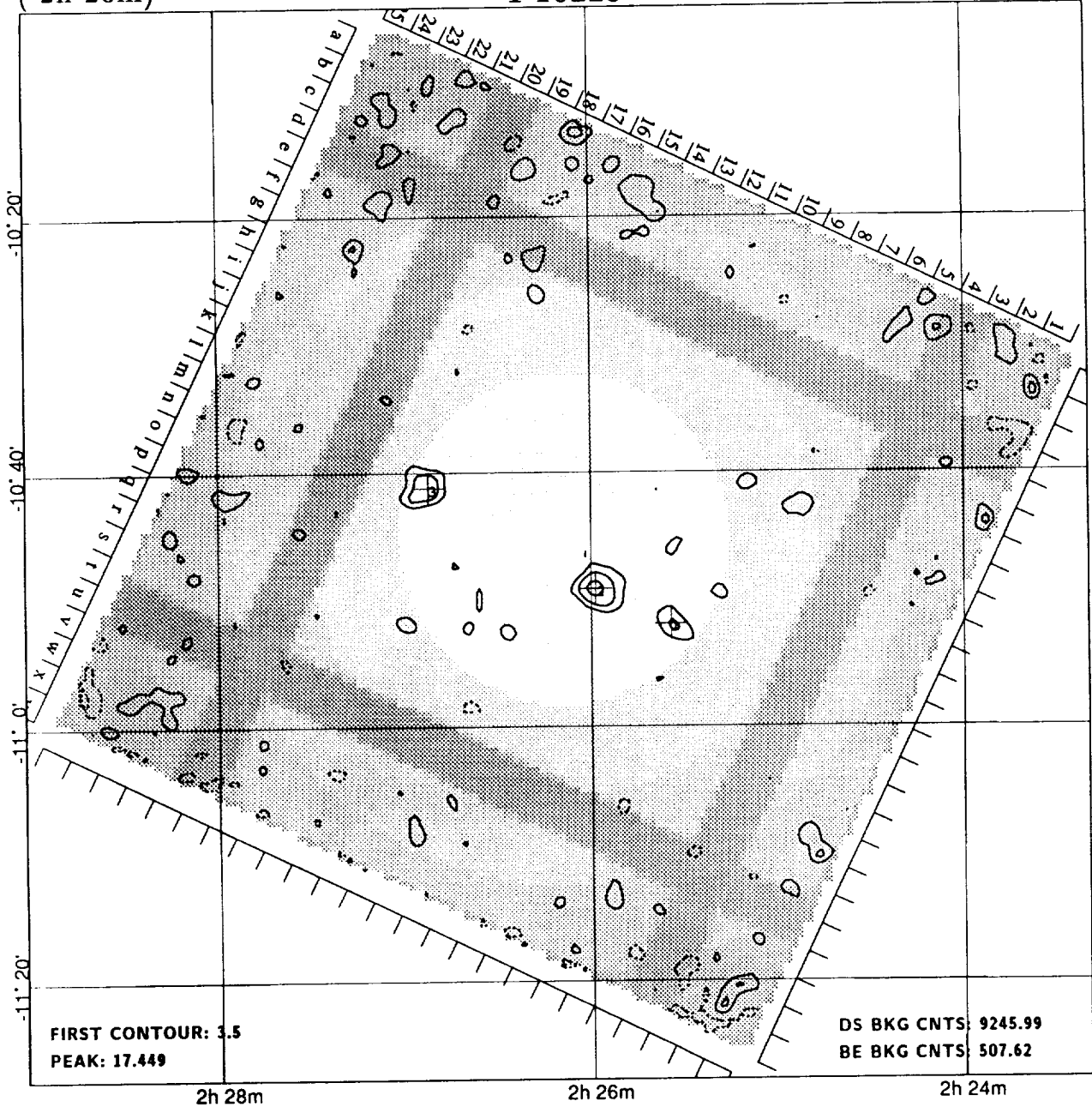
NH: $2.7E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
575	1	02 25 33.8	-01 29 25	39	0.0052	0.0014	24.9	18.1	3.8	0.7	0	0.4	A

(2h 26m)

I 10223

(2h 26m)



N 0945: ACTIVE NUCLEI OF BARRED SPIRALS

FIELD CENTER: 02^h26^m10.8^s -10°45'35" (B1950)
 02^h28^m37.0^s -10°32'13" (J2000)
 $l: 181.64$ $b: -61.75$

DATE: 1981/ 7 - 1981/ 8
 LIVETIME: 7492.3s
 ROLL ANGLE: 115.6°

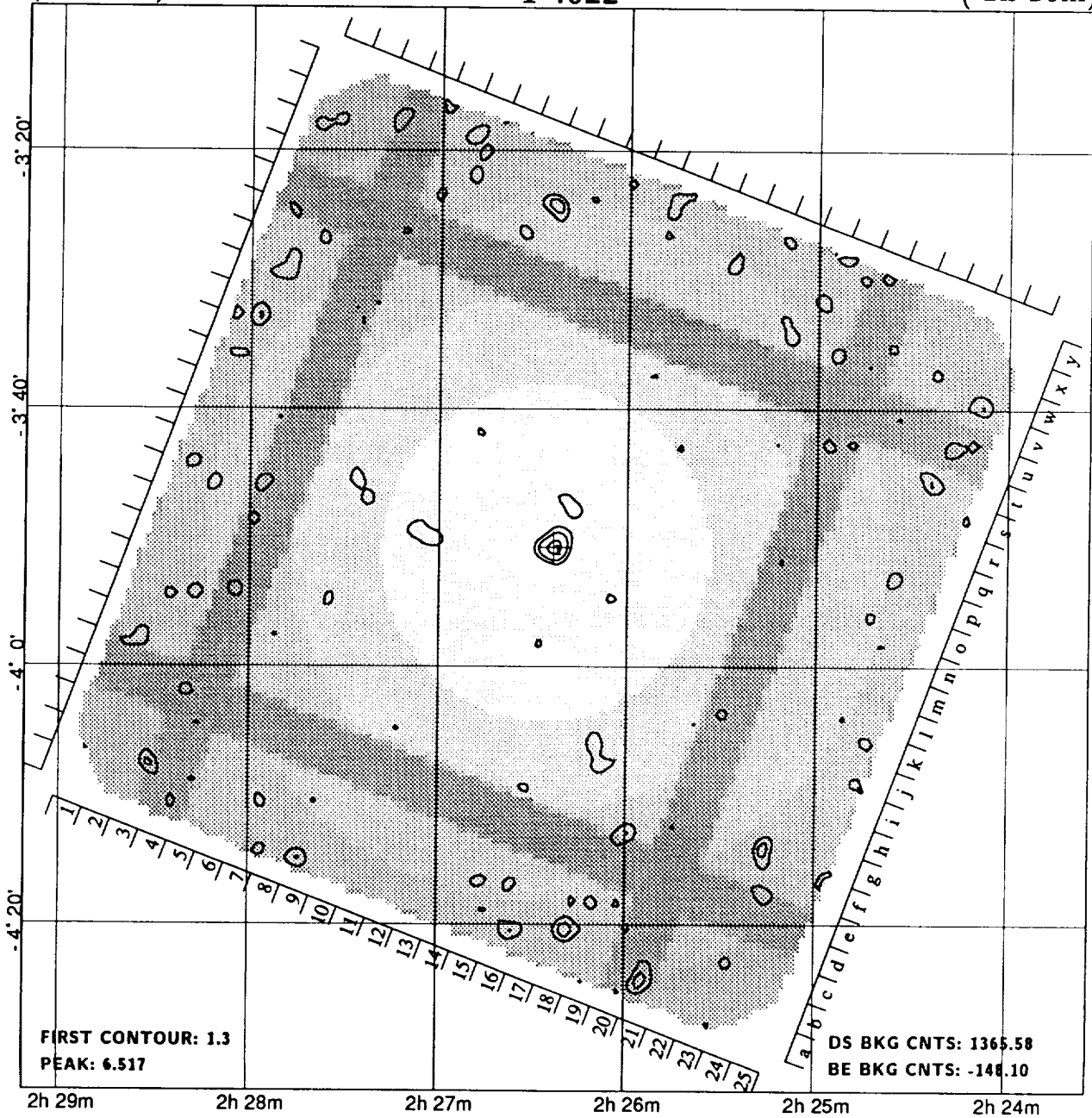
NH: 2.5E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
576	1	02 25 34.3	-10 51 53	47	0.0062 0.0014	30.6	19.4	4.3	0.7	0	11.3	H
577	2	02 25 58.6	-10 49 06	35	0.0126 0.0018	67.7	25.3	7.0	1.1	0	4.7	H
579	3	02 26 52.4	-10 41 13	42	0.0103 0.0017	49.7	20.3	5.9	1.0	0	11.4	H

(2h 26m)

I 4022

(2h 26m)



FIRST CONTOUR: 1.3
PEAK: 6.517

DS BKG CNTS: 1365.58
BE BKG CNTS: -148.10

QUASAR 0226-038 (PHL 1305)

FIELD CENTER: $02^h 26^m 22.6^s -03^\circ 50' 56''$ (B1950)
 $02^h 28^m 53.7^s -03^\circ 37' 34''$ (J2000)
 $l: 171.90 \quad b: -56.92$

DATE: 1979/203 - 1979/203
 LIVETIME: 1106.6s
 ROLL ANGLE: -69.3°

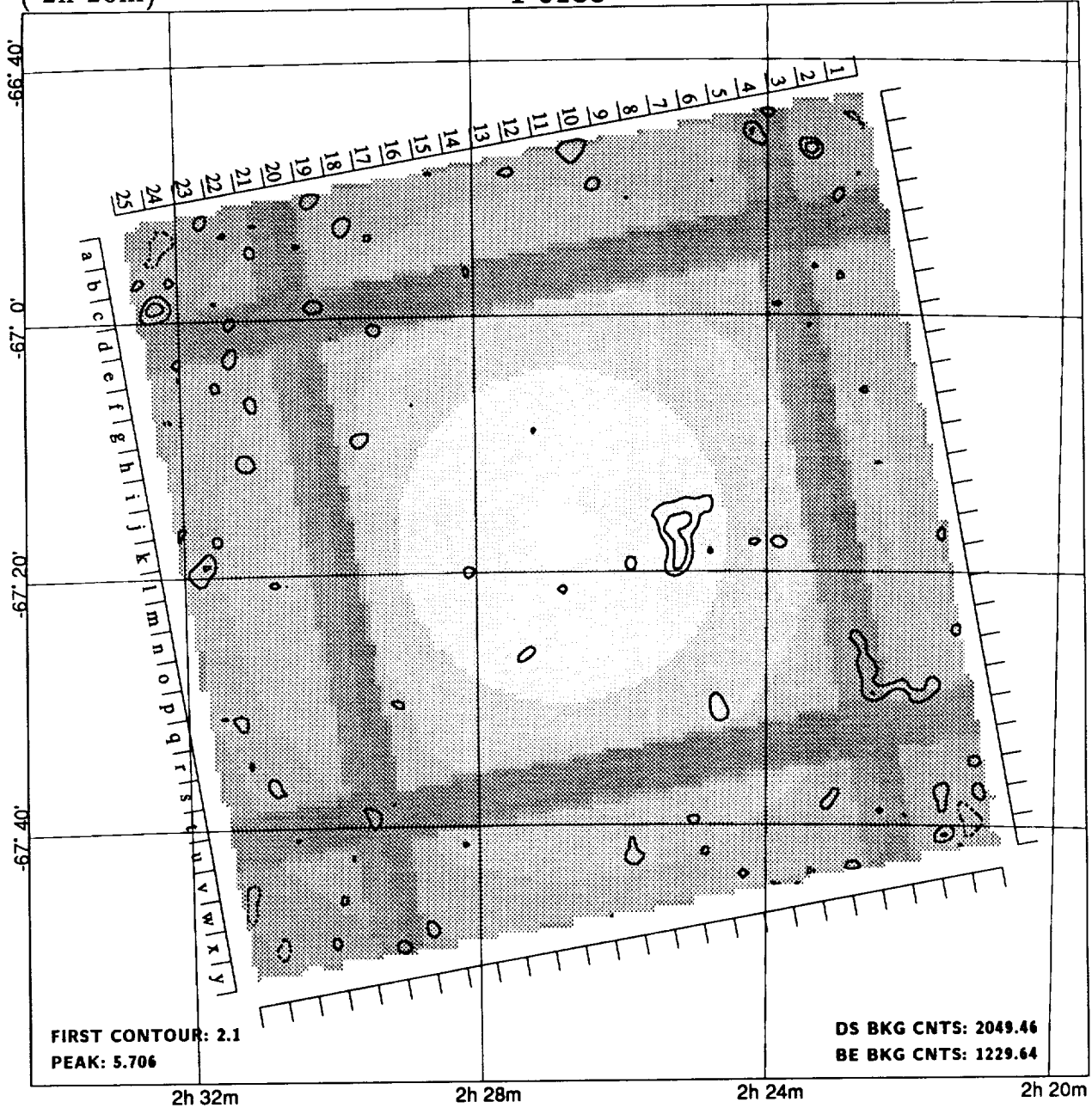
NH: $2.3E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
578	1	02 26 23.5	-03 50 43	36	0.0271	0.0061	22.3	2.7	4.5	0.8	0	0.2	H	Q

(2h 26m)

I 6155

(2h 26m)



0226-6712,SURVEY OF SOUTHERN CLUSTERS

FIELD CENTER: $02^h 26^m 54.0^s$ $-67^\circ 17' 59''$ (B1950)
 $02^h 27^m 52.5^s$ $-67^\circ 04' 37''$ (J2000)
 $l: 289.33$ $b: -47.42$

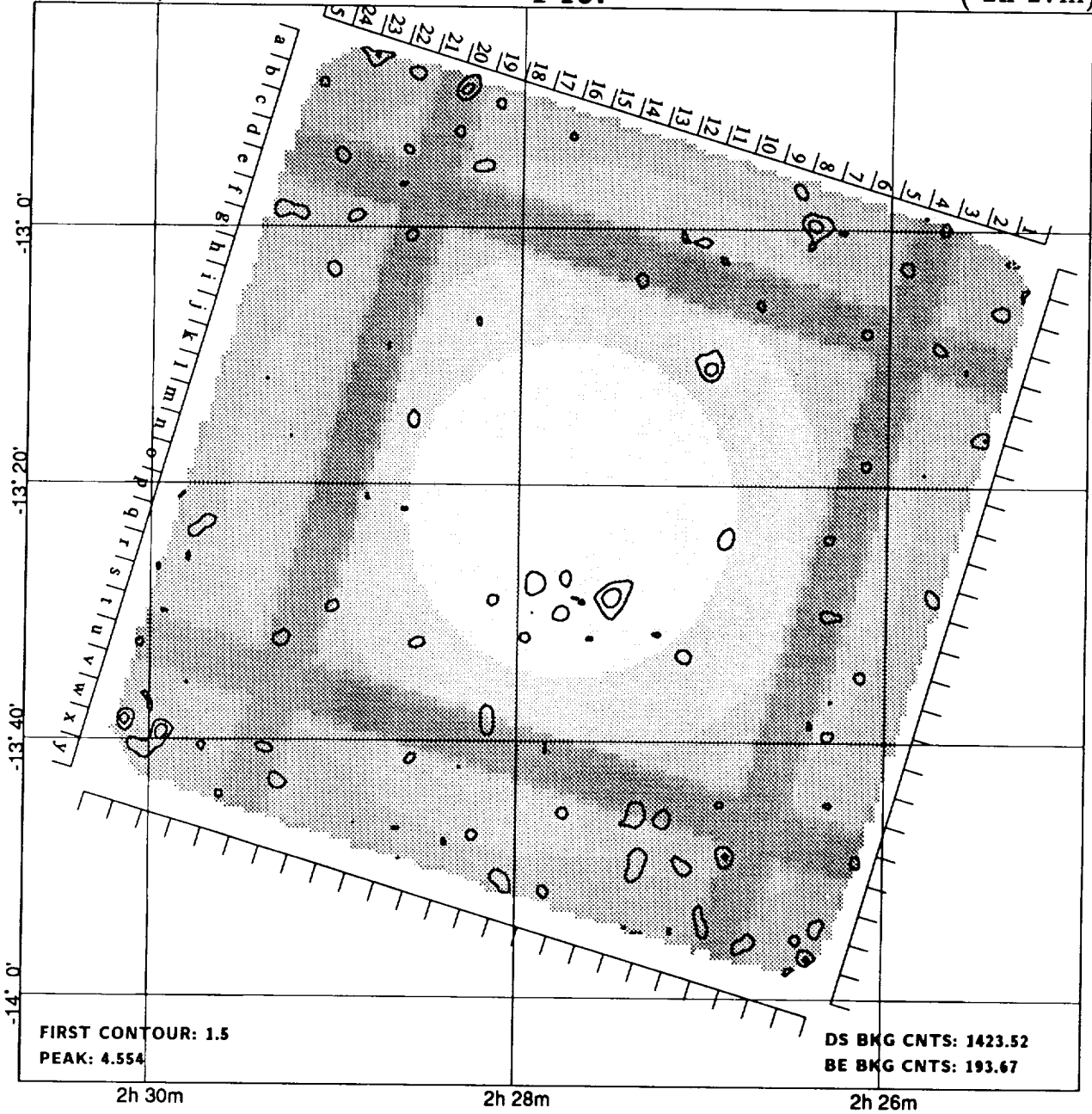
DATE: 1981/ 40 - 1981/ 40
 LIVETIME: 1660.7s
 ROLL ANGLE: 80.1°

NH: $3.6E+20$
 REF/ID:
 FIELD FLAGS: L

(2h 27m)

I 187

(2h 27m)



A350 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: $02^h 27^m 48.0^s$ $-13^\circ 24' 57''$ (B1950)
 $02^h 30^m 12.2^s$ $-13^\circ 11' 39''$ (J2000)
 $l: 186.72$ $b: -63.04$

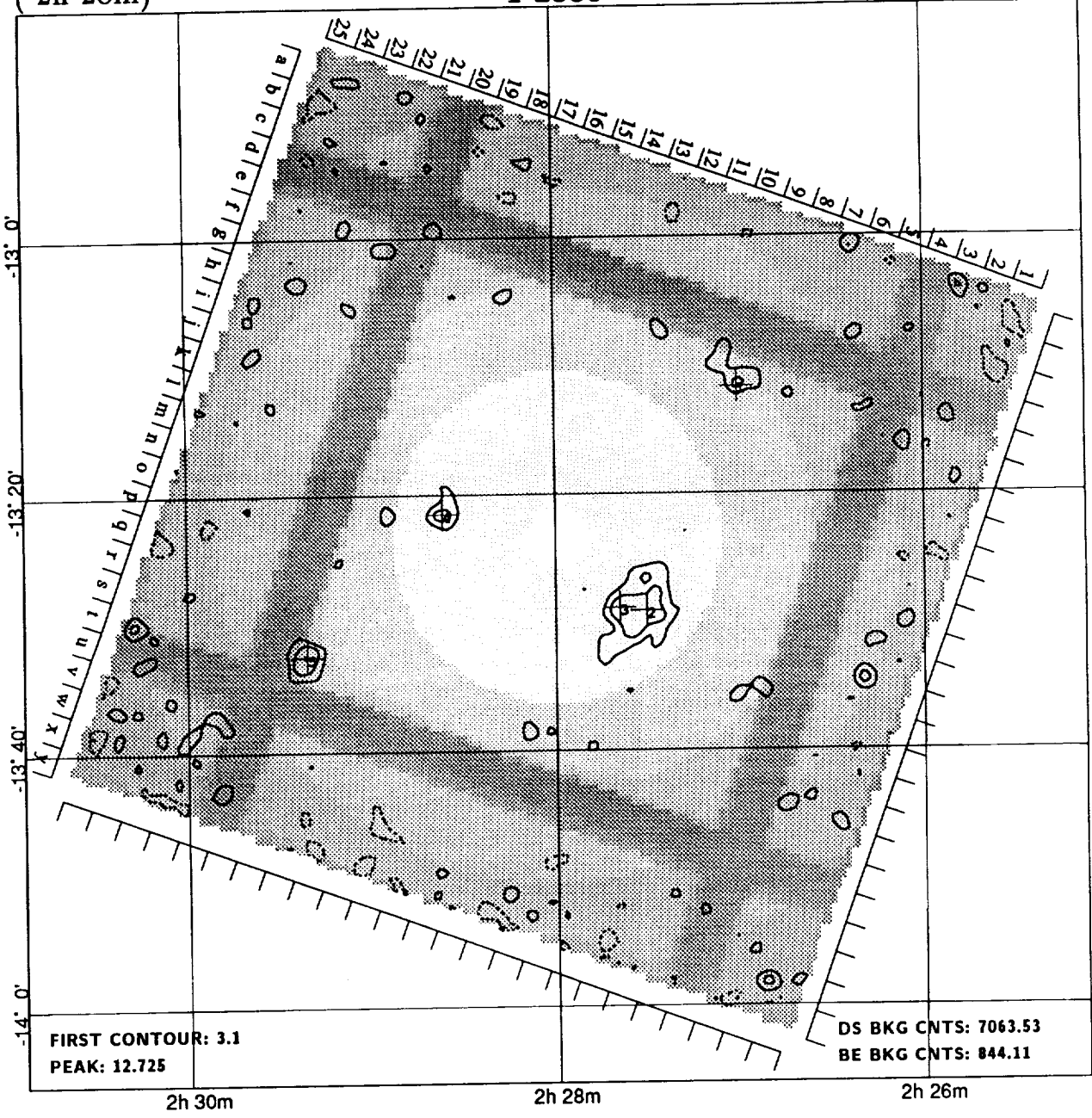
DATE: 1979/ 29 - 1979/ 29
 LIVETIME: 1153.5e
 ROLL ANGLE: 106.6°

NH: $1.9E+20$
 REF/ID: !
 FIELD FLAGS:

(2h 28m)

I 2335

(2h 28m)



4U0228-13=A358: SOUTHERN HEMISPHERE SURVEY

FIELD CENTER: 02^h28^m00.0^s -13°23'59" (B1950)
 02^h30^m24.2^s -13°10'42" (J2000)
 l : 186.75 b : -62.99

DATE: 1980/ 22 - 1980/ 22
 LIVETIME: 5723.8s
 ROLL ANGLE: 109.8°

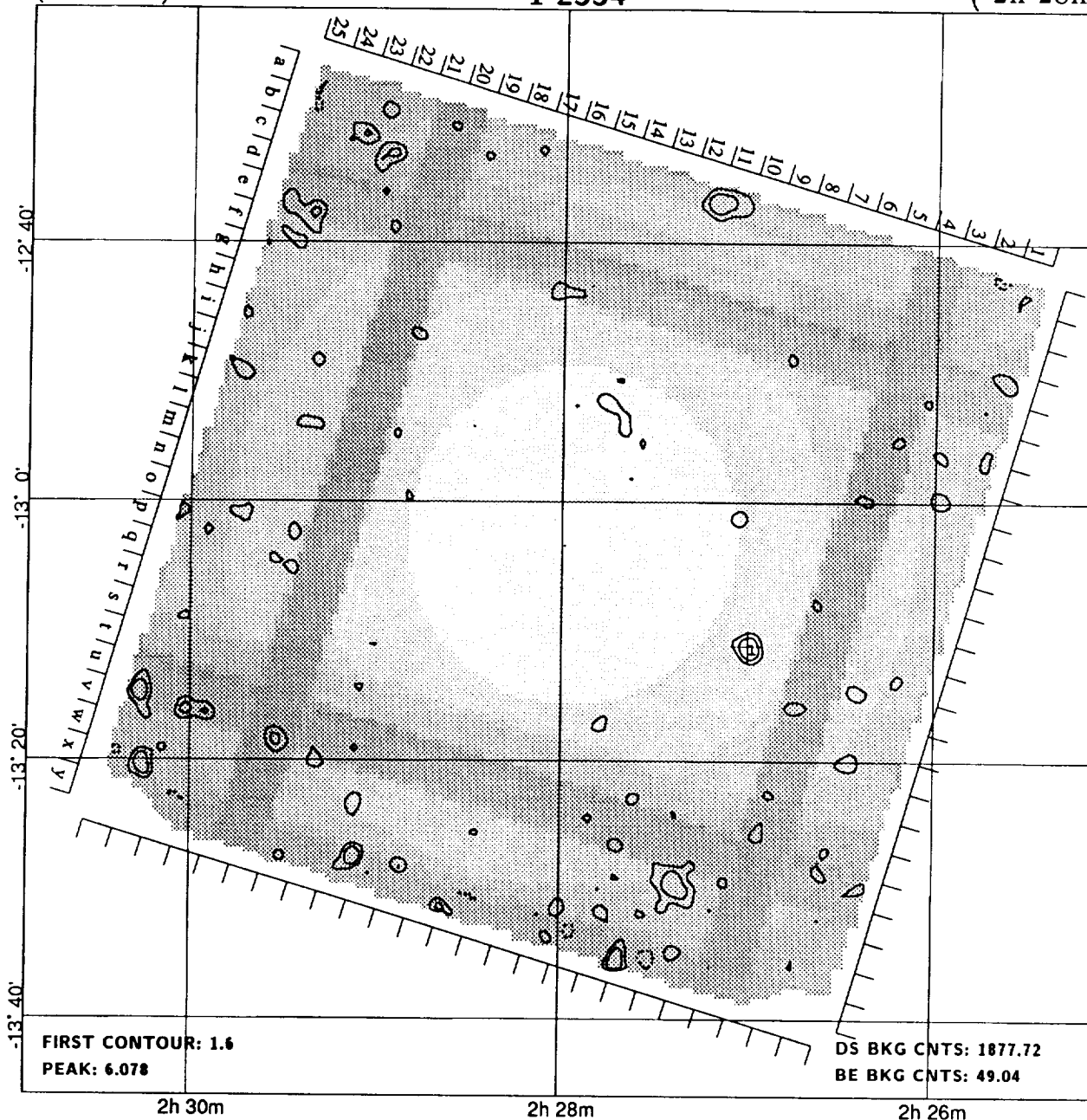
NH: 1.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
580	1	02 27 00.4	-13 11 37	56	0.0069 0.0019	21.1	13.9	3.6	1.3	0	19.1	AH	
581	2	02 27 30.3	-13 29 03	42	0.0121 0.0021	46.9	19.1	5.8	2.7	0	8.6	H	CLG
582	3	02 27 39.1	-13 28 49	42	0.0085 0.0018	33.8	19.2	4.6	3.3	0	7.0		†
584	4	02 28 36.9	-13 21 29	43	0.0067 0.0017	25.9	17.1	3.9	0.8	0	9.5	H	
587	5	02 29 21.2	-13 32 36	51	*0.0111 0.0024	30.5	13.5	4.6	0.9	905	21.9	H	

(2h 28m)

I 2334

(2h 28m)



4U0228-13=A358: SOUTHERN HEMISPHERE SURVEY

FIELD CENTER: $02^h 28^m 00.0^s -13^{\circ} 03' 59''$ (B1950)
 $02^h 30^m 24.4^s -12^{\circ} 50' 42''$ (J2000)
 $l: 186.16 \quad b: -62.80$

DATE: 1979/ 29 - 1979/ 29
 LIVETIME: 1521.6s
 ROLL ANGLE: 106.7°

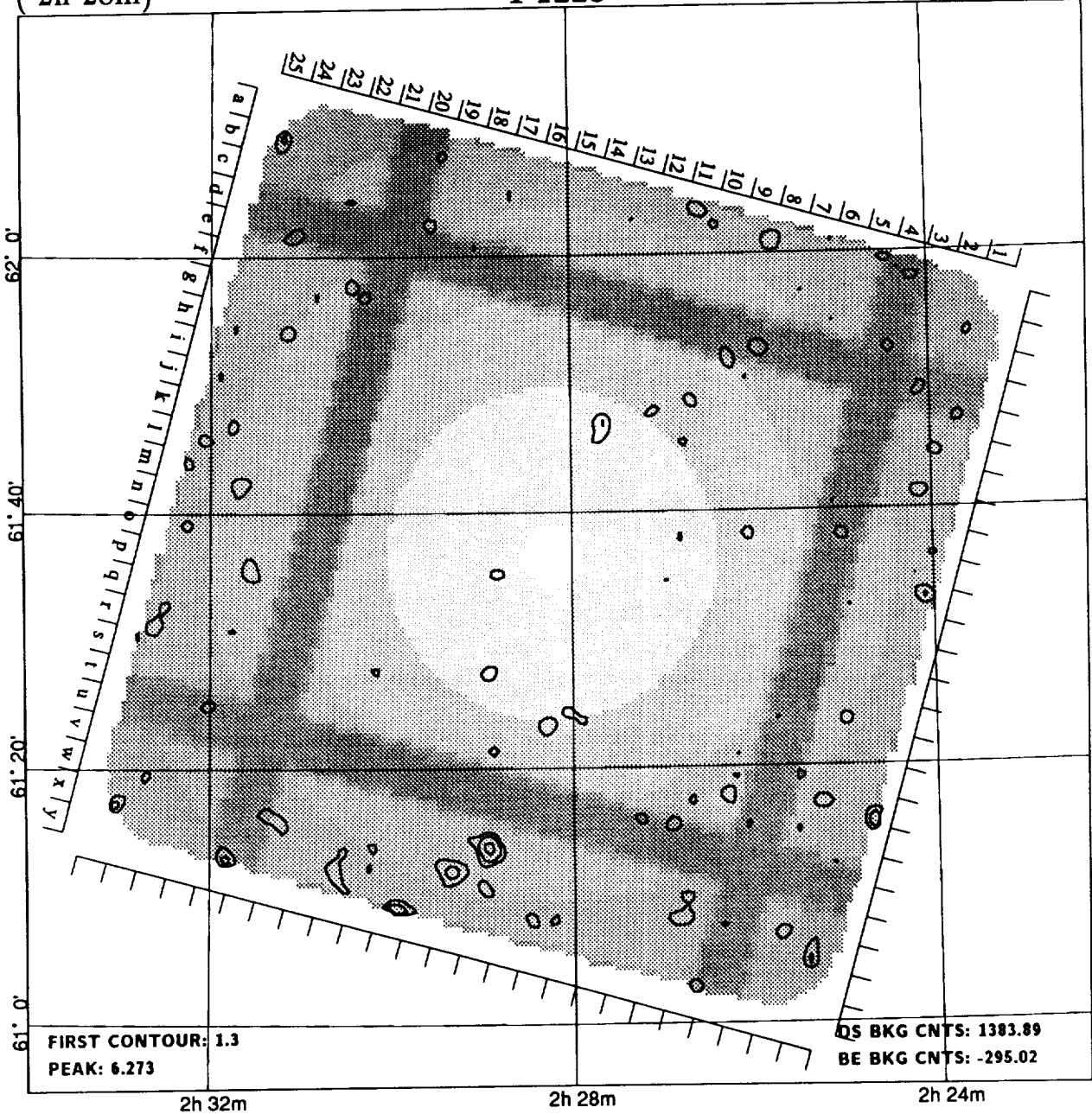
NH: $1.9E+20$
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
580	1	02 26 59.8	-13 11 07	54	0.0176	0.0050	15.4	3.6	3.5	0.7	0	16.5	AH

(2h 28m)

I 1228

(2h 28m)



FIELD CENTER: 02^h28^m10.5^s 61°37'15" (B1950)
 02^h31^m59.9^s 61°50'30" (J2000)
 l : 134.50 b : 1.25

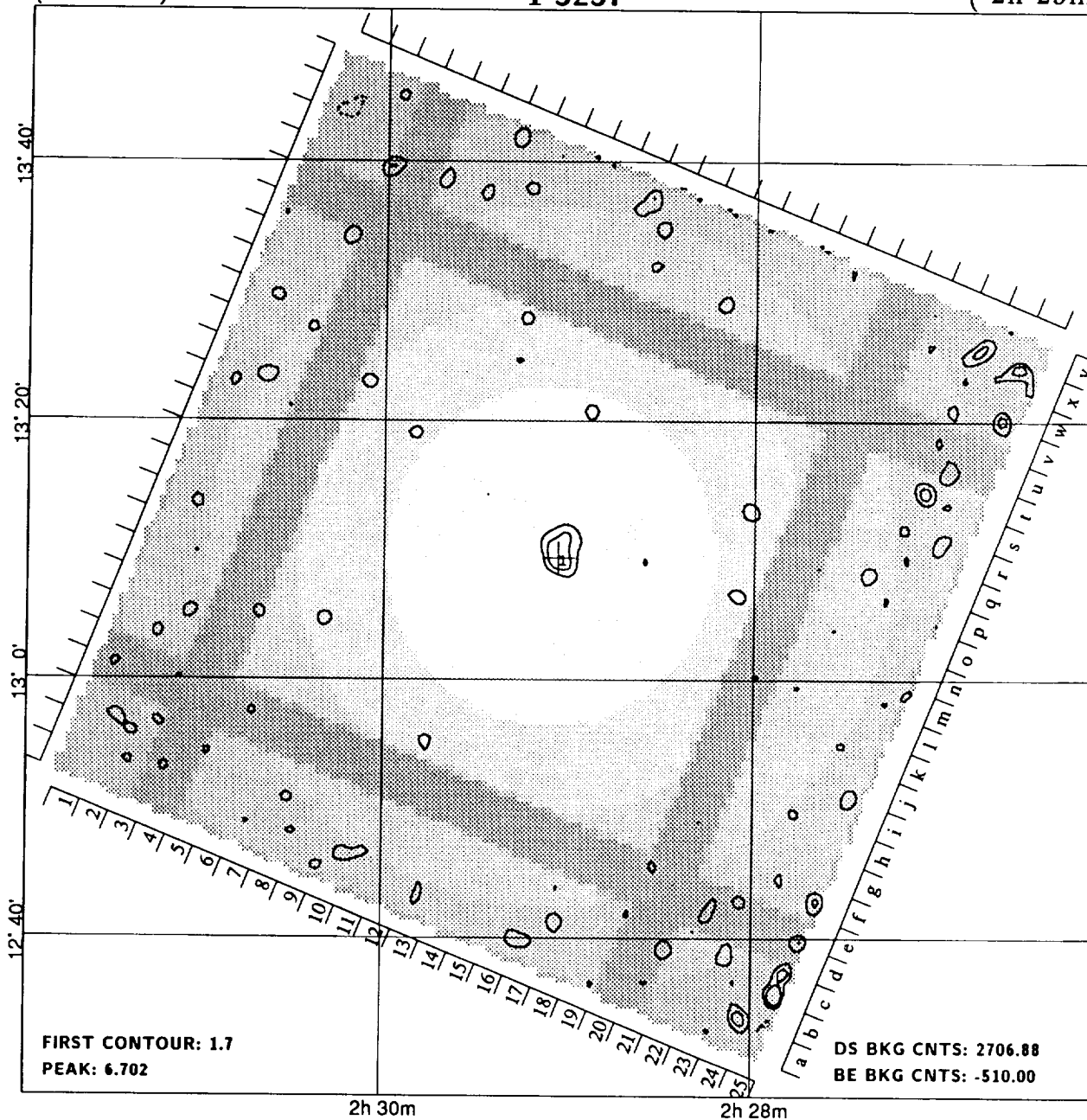
DATE: 1979/ 33 - 1979/ 33
 LIVETIME: 1121.4s
 ROLL ANGLE: 105.4°

NH: 7.9E+21
 REF/ID:
 FIELD FLAGS:

(2h 29m)

I 3257

(2h 29m)



0229+13: EXTRAGALACTIC STRONG MILLIMETER SOURCES

FIELD CENTER: 02^h29^m02.5^s 13°09'40" (B1950)
 02^h31^m45.9^s 13°22'54" (J2000)
 l : 157.09 b : -42.74

DATE: 1979/204 - 1979/204
 LIVETIME: 2193.5s
 ROLL ANGLE: -68.1°

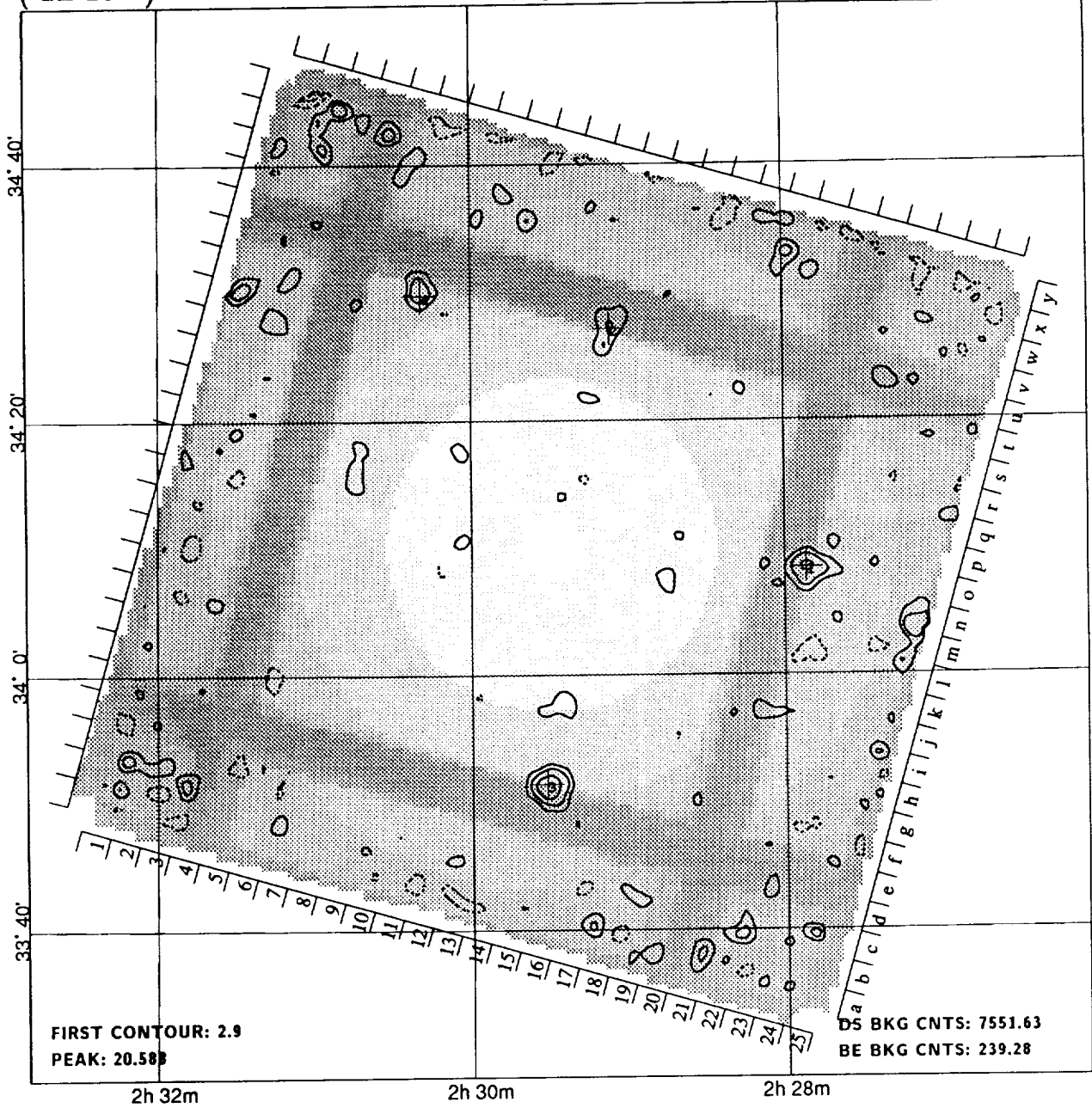
NH: 8.8E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
585	1	02 29 03.5	13 09 26	36	0.0153	0.0034	25.1	4.9	4.6	1.1	0	0.4	H	BL

(2h 29m)

I 5142

(2h 29m)



QSO 0229+341

FIELD CENTER: $02^h 29^m 27.0^s$ $34^\circ 10' 29''$ (B1950)
 $02^h 32^m 28.6^s$ $34^\circ 23' 42''$ (J2000)
 $l: 145.60$ $b: -23.99$

DATE: 1980/206 - 1980/206
 LIVETIME: 6119.3s
 ROLL ANGLE: -74.1°

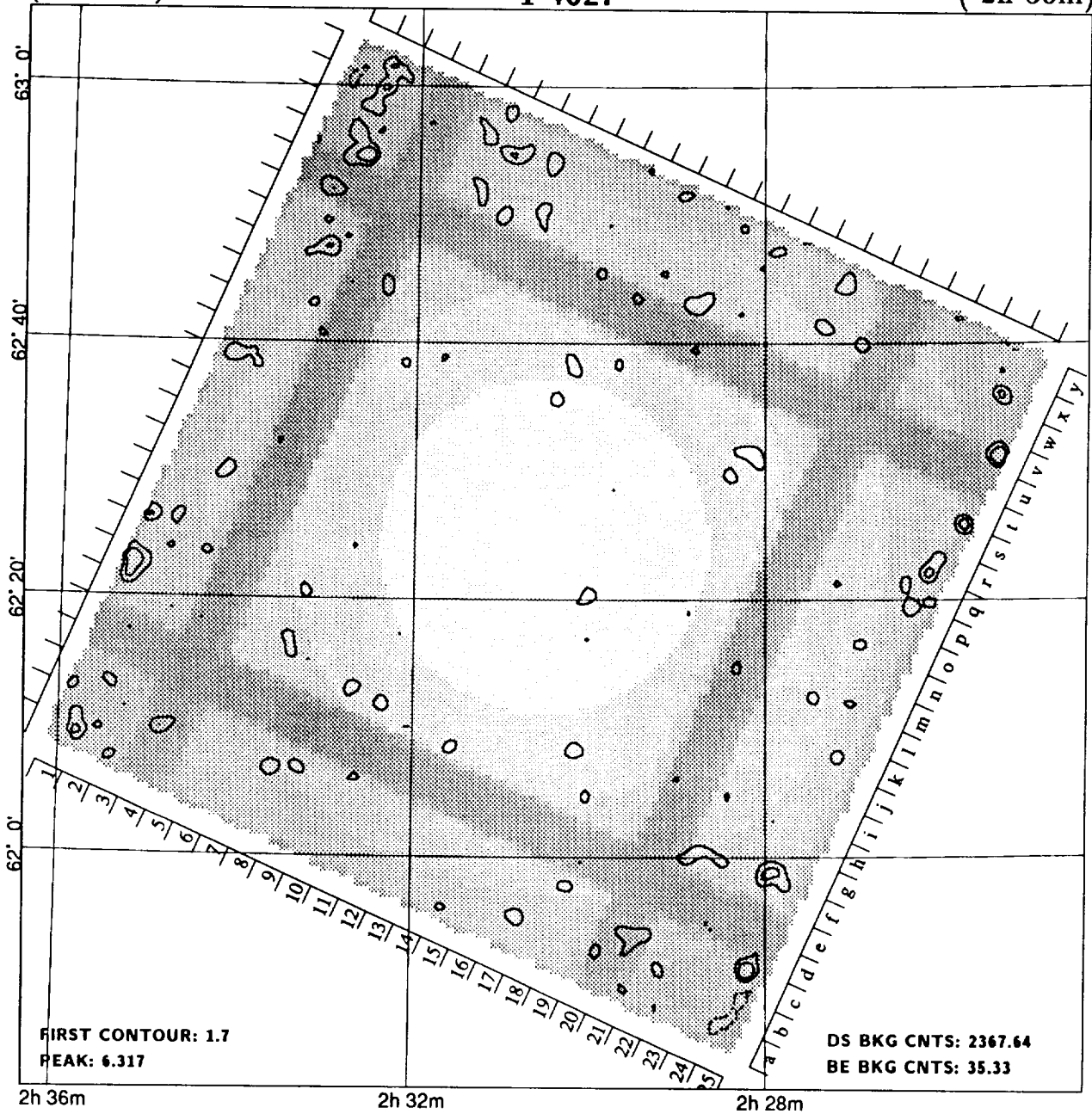
NH: $5.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
583	1	02 27 51.8	34 08 26	51	*0.0113	0.0022	35.2	9.8	5.2	1.1	1007	19.7	H	*
586	2	02 29 06.7	34 27 07	55	*0.0065	0.0018	21.9	13.1	3.7	1.0	1007	17.2	H	Q
588	3	02 29 31.5	33 51 24	50	*0.0164	0.0024	53.4	9.6	6.7	1.1	805	19.1	H	*
589	4	02 30 19.3	34 29 45	55	*0.0073	0.0020	21.1	12.9	3.6	0.9	601	22.0		

(2h 30m)

I 4627

(2h 30m)



COS B GAMMA RAY SOURCE REGION B

FIELD CENTER: 02^h30^m24.0^s 62°23'59" (B1950)
 02^h34^m16.9^s 62°37'08" (J2000)
 l : 134.45 b : 2.07

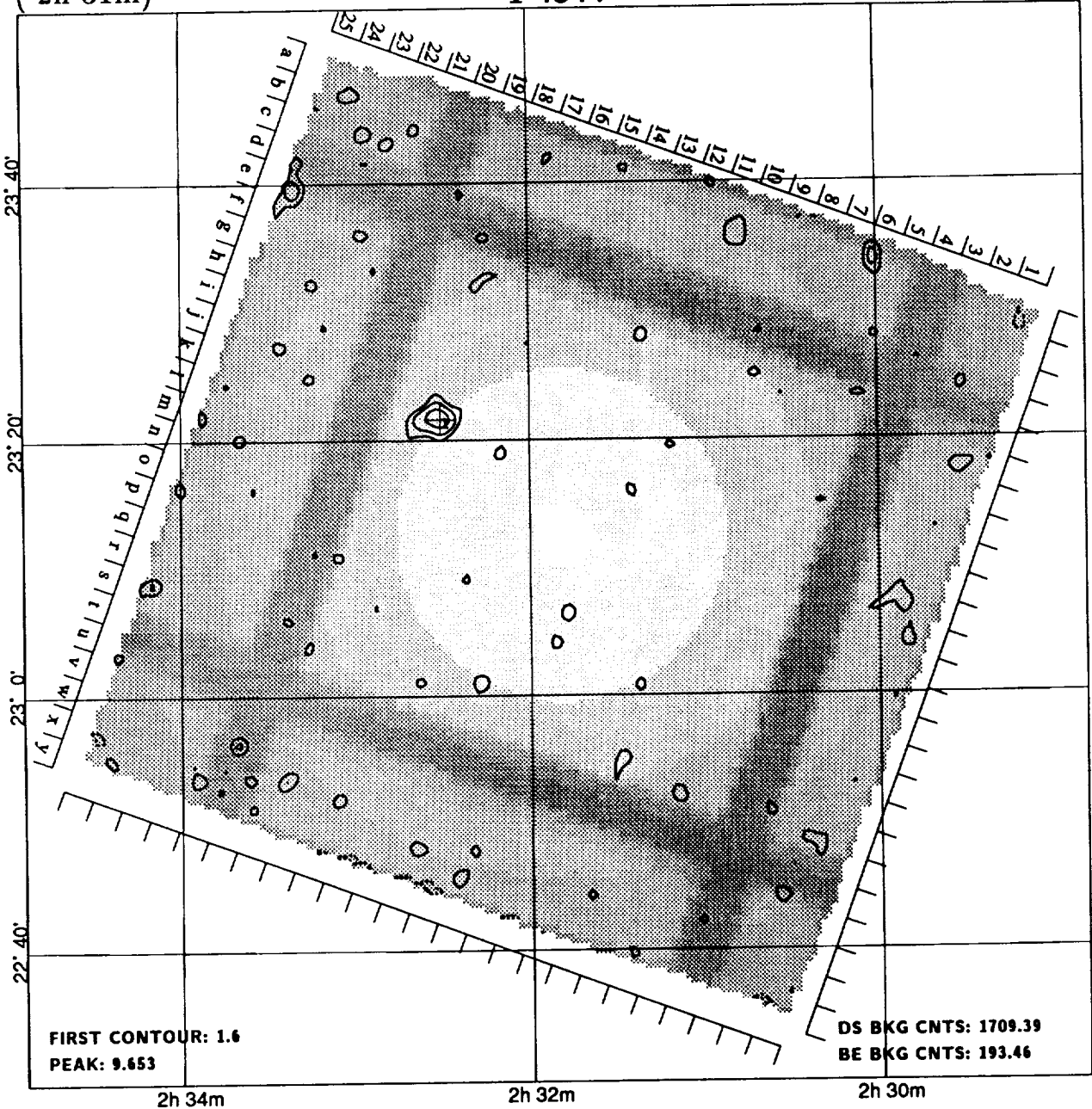
DATE: 1980/227 - 1980/227
 LIVETIME: 1918.6s
 ROLL ANGLE: -65.9°

NH: 7.4E+21
 REF/ID:
 FIELD FLAGS:

(2h 31m)

I 4544

(2h 31m)



NGC 984, EL & SO GAL. WITH COMPACT RADIO CORE

FIELD CENTER: 02^h31^m51.2^s 23°11'39" (B1950)
 02^h34^m42.8^s 23°24'46" (J2000)
 l : 151.62 b : -33.64

DATE: 1980/ 45 - 1980/ 45
 LIVETIME: 1385.2a
 ROLL ANGLE: 110.1°

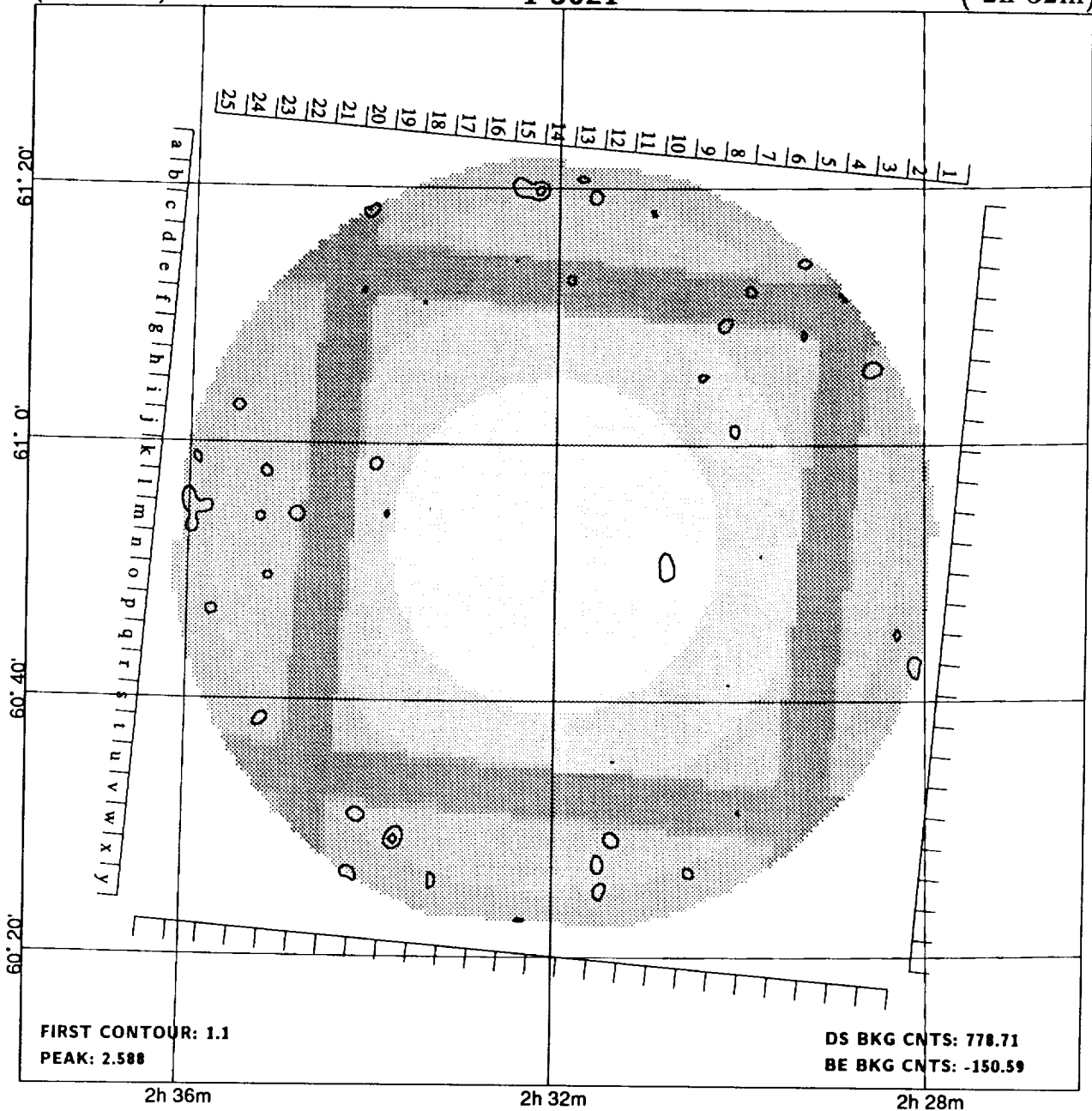
NH: 9.0E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
591	1	02 32 30.7	23 21 37	42	0.0355	0.0068	30.6	3.4	5.2	1.1	0	13.4	H

(2h 32m)

I 3621

(2h 32m)



FIRST CONTOUR: 1.1
PEAK: 2.588

DS BKG CNTS: 778.71
BE BKG CNTS: -150.59

2h 36m

2h 32m

2h 28m

COS-B GAMMA RAY SOURCE REGION B

FIELD CENTER: 02^h 32^m 00.0^s 60° 51' 59" (B1950)
02^h 35^m 48.7^s 61° 05' 04" (J2000)
l: 135.21 *b*: 0.73

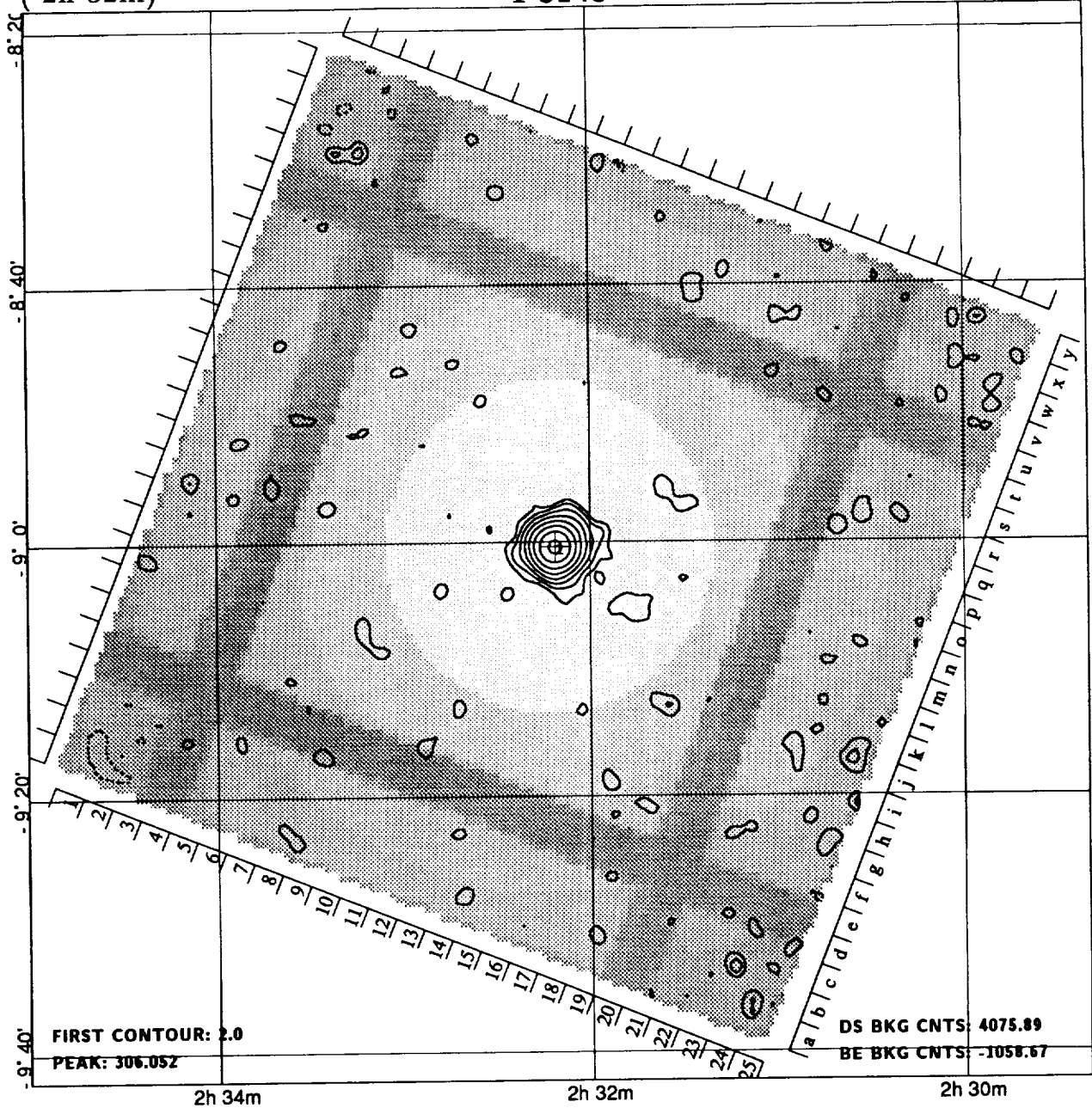
DATE: 1979/ 35 - 1979/ 35
LIVETIME: 631.0s
ROLL ANGLE: 95.0°

NH: 7.8E+21
REF/ID:
FIELD FLAGS:

(2h 32m)

I 3143

(2h 32m)



NGC 985: RING GALAXIES SURVEY

FIELD CENTER: $02^{\text{h}}32^{\text{m}}10.2^{\text{s}}$ $-09^{\circ}00'13''$ (B1950)
 $02^{\text{h}}34^{\text{m}}37.5^{\text{s}}$ $-08^{\circ}47'07''$ (J2000)
 $l: 180.83$ $b: -59.49$

DATE: 1979/201 - 1979/202
 LIVETIME: 3302.8s
 ROLL ANGLE: -68.5°

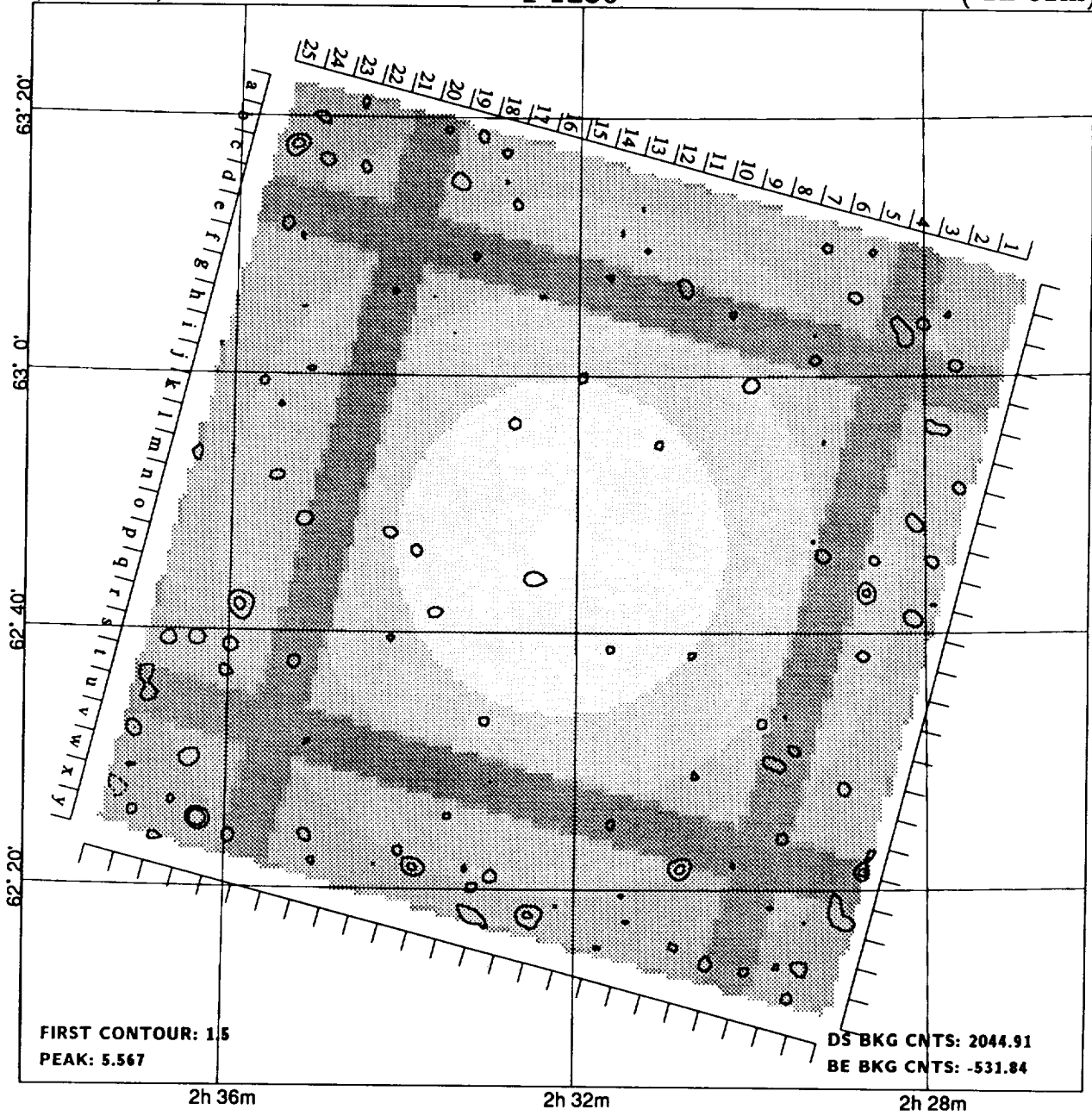
NH: $3.0E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
590	1	02 32 11.2	-09 00 22	31	0.506	0.014	1245.4	6.6	35.2	1.3	0	0.4	H

(2h 32m)

I 1230

(2h 32m)



H & CHI PERSEI GALACTIC PLANE SURVEY

FIELD CENTER: 02^h32^m14.8^s 62°46'39" (B1950)
 02^h36^m09.9^s 62°59'43" (J2000)
 l : 134.50 b : 2.50

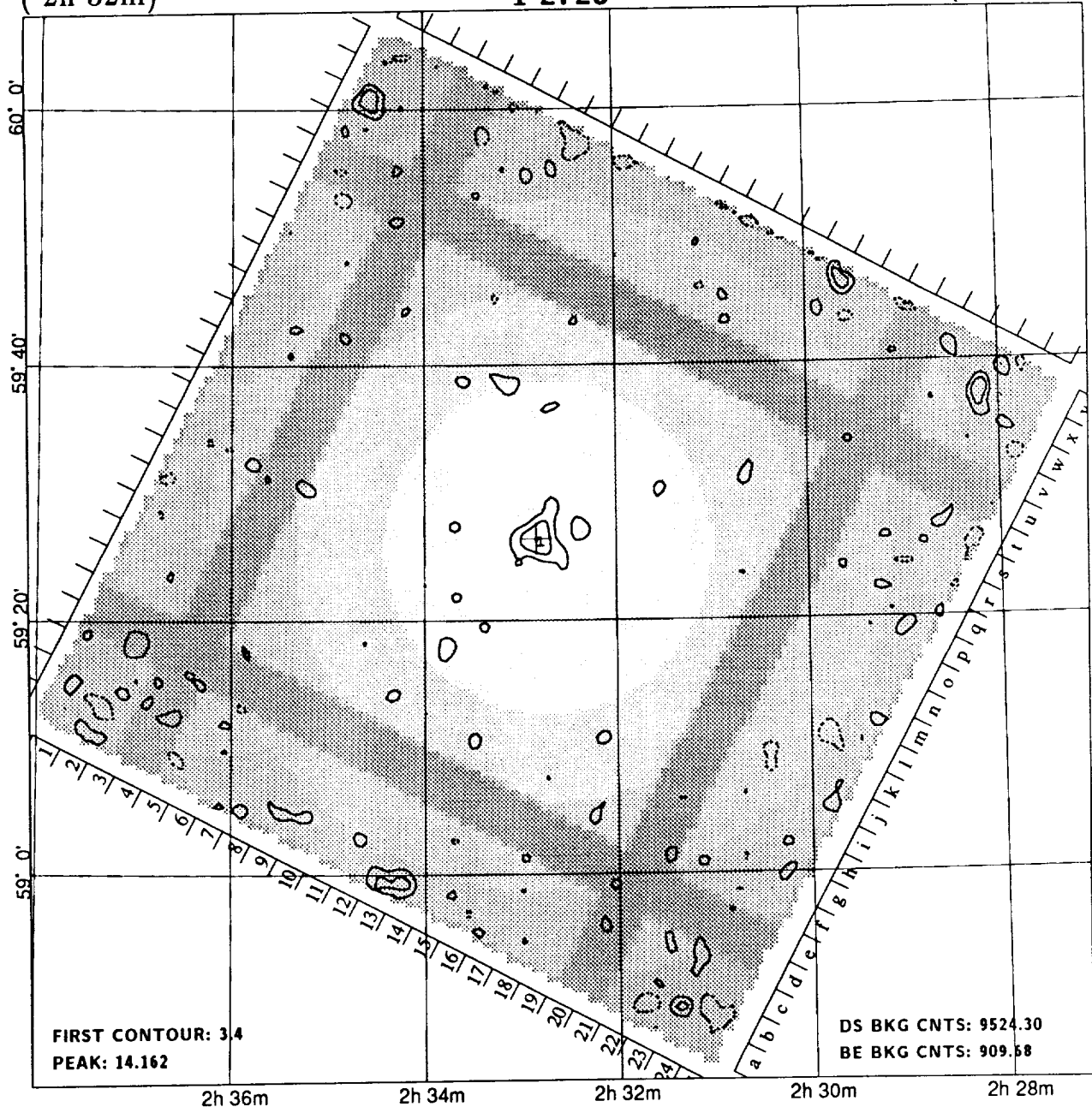
DATE: 1979/ 33 - 1979/ 33
 LIVETIME: 1657.0s
 ROLL ANGLE: 104.5°

NH: 7.0E+21
 REF/ID:
 FIELD FLAGS:

(2h 32m)

I 2728

(2h 32m)



LOCAL GROUP GALAXIES: MAFFEI 1

FIELD CENTER: $02^h 32^m 36.0^s$ $59^\circ 25' 47''$ (B1950)
 $02^h 36^m 20.6^s$ $59^\circ 38' 50''$ (J2000)
 $l: 135.84$ $b: -0.57$

DATE: 1979/237 - 1979/237
 LIVETIME: 7995.0s
 ROLL ANGLE: -62.4°

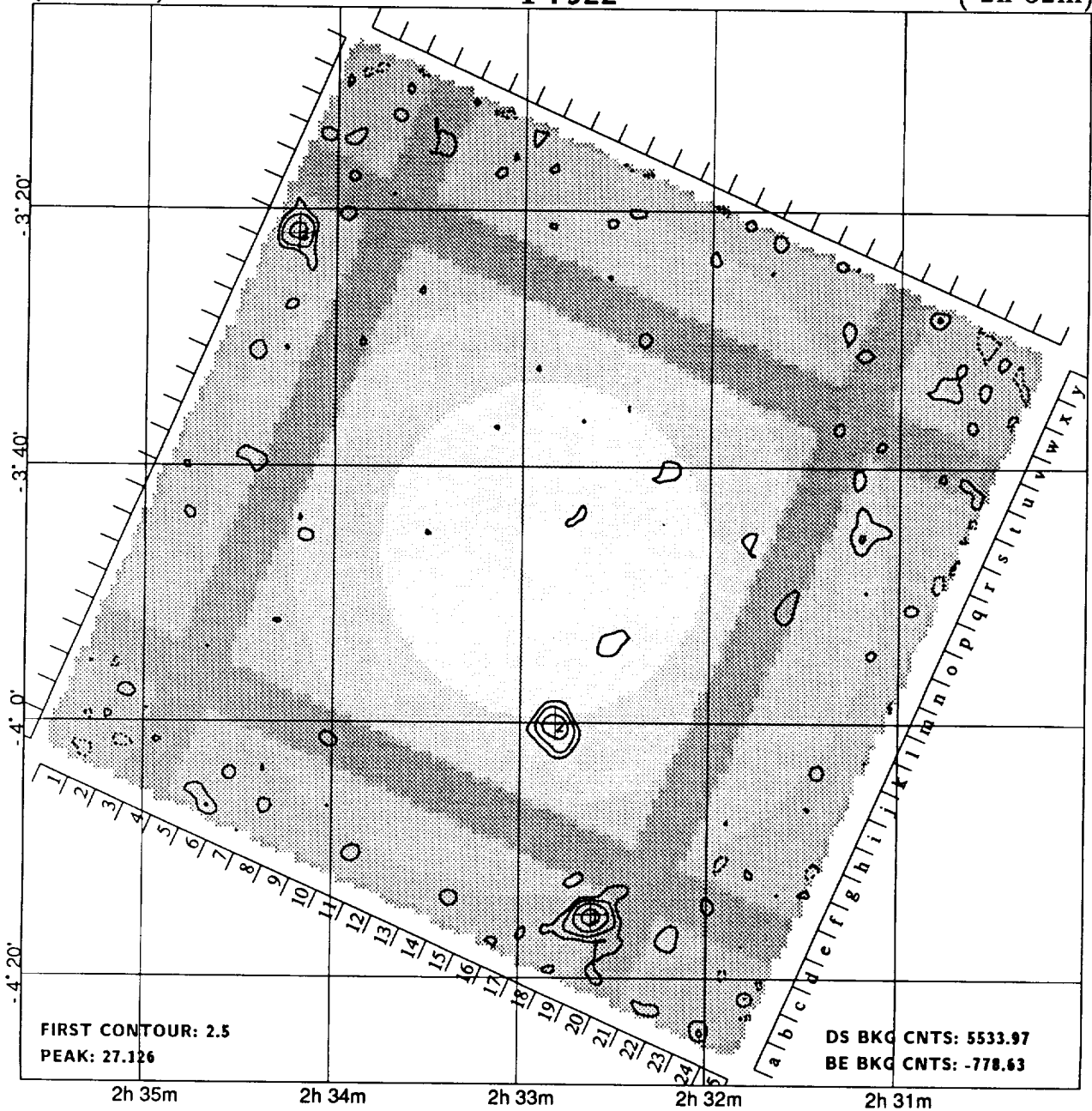
NH: $7.4E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
595	1	02 32 50.1	59 26 24	35	0.0096	0.0015	57.2	23.8	6.4	1.3	0	1.9	H	†

(2h 32m)

I 7922

(2h 32m)



HD 16141, CORONAL ACTIVITY IN F, G, & K STARS

FIELD CENTER: $02^{\text{h}}32^{\text{m}}49.4^{\text{s}}$ $-03^{\circ}46'19''$ (B1950)
 $02^{\text{h}}35^{\text{m}}20.5^{\text{s}}$ $-03^{\circ}33'15''$ (J2000)
 $l: 173.94$ $b: -55.77$

DATE: 1980/193 - 1980/193
 LIVETIME: 4484.3s
 ROLL ANGLE: -66.1°

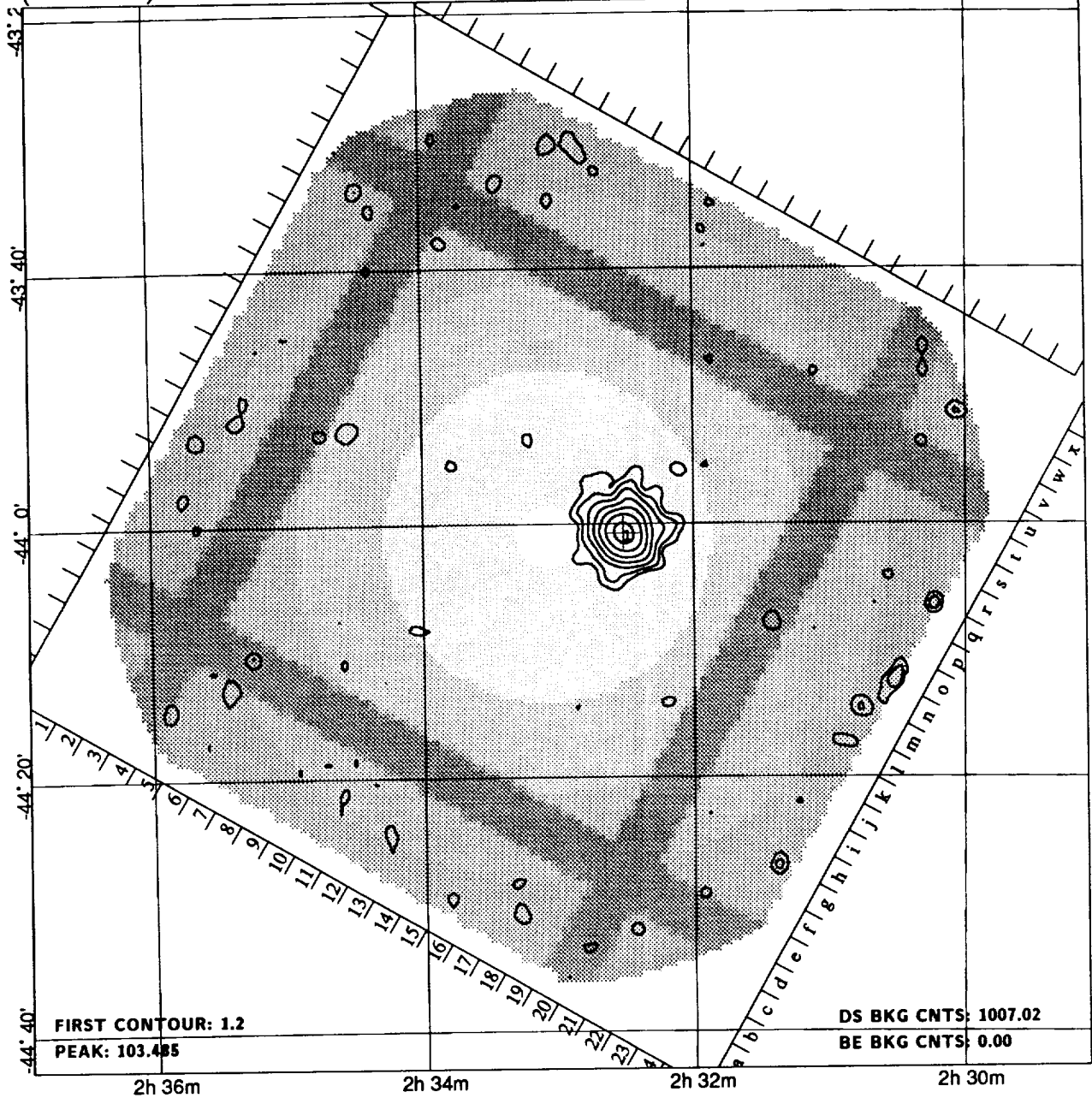
NH: $2.5\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
593	1	02 32 36.7	-04 15 03	50	*0.0318	0.0047	52.7	7.3	6.8	1.3	701	28.6	H	
594	2	02 32 48.7	-04 00 06	41	0.0205	0.0030	56.3	10.7	6.9	1.2	0	13.7	H	
602	3	02 34 12.0	-03 21 53	55	0.0184	0.0041	26.7	8.3	4.5	1.0	200	32.2	H	S

(2h 33m)

I 2302

(2h 33m)



CC ERI: STELLAR SURVEY: RS CVN AND BY DRA STARS

FIELD CENTER: $02^h 33^m 00.0^s$ $-44^\circ 00' 59''$ (B1950)
 $02^h 34^m 53.7^s$ $-43^\circ 47' 55''$ (J2000)
 $l: 258.38$ $b: -63.33$

DATE: 1979/190 - 1979/190
 LIVETIME: 816.0s
 ROLL ANGLE: -60.4°

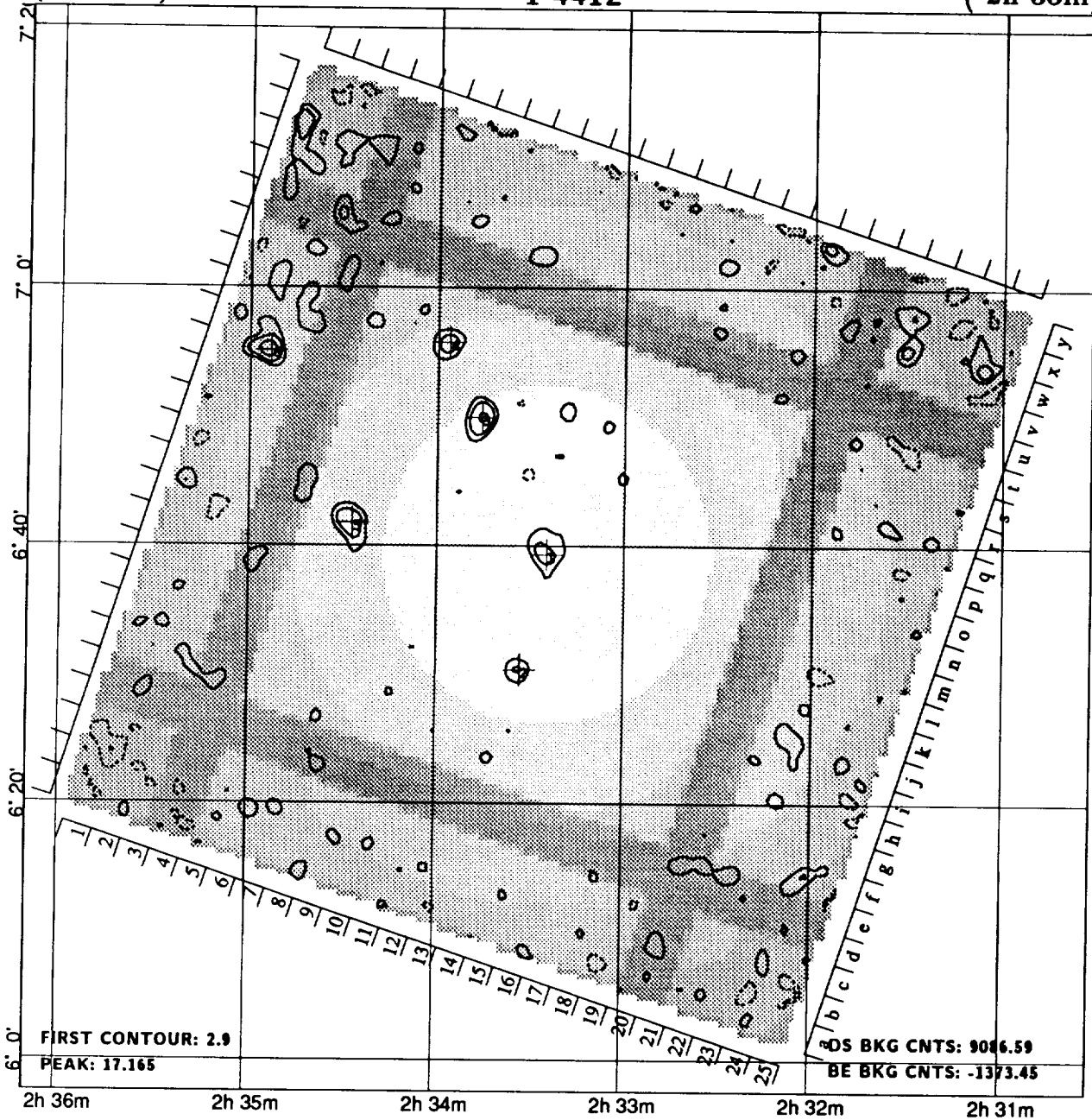
NH: $2.5E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
592	1L	02 32 31.1	-44 00 41	37	0.632	0.042	363.5	72.5	15.0	1.5	0	5.2	S	

(2h 33m)

I 4412

(2h 33m)



STELLAR SURVEY: HR 753

FIELD CENTER: $02^{\text{h}}33^{\text{m}}21.0^{\text{s}}$ $06^{\circ}39'29''$ (B1950)
 $02^{\text{h}}35^{\text{m}}59.7^{\text{s}}$ $06^{\circ}52'32''$ (J2000)
 $l: 163.39$ $b: -47.61$

DATE: 1980/213 - 1980/213
 LIVETIME: 7363.1s
 ROLL ANGLE: -71.7°

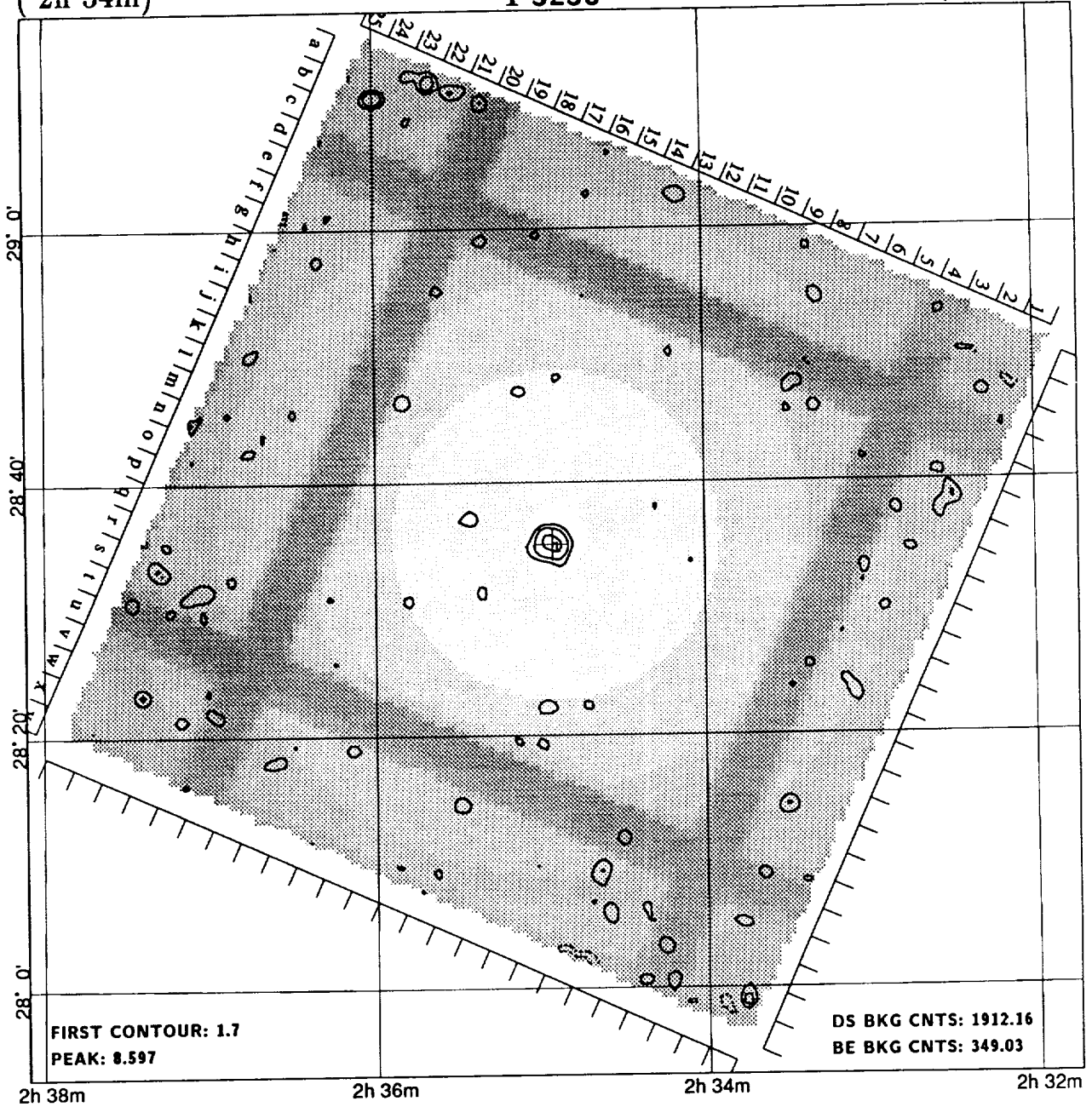
NH: $6.8\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
596	1	02 33 24.6	06 39 19	36	0.0062	0.0013	33.8	17.2	4.7	1.0	0	1.5	H	
597	2	02 33 33.1	06 30 21	46	0.0044	0.0013	22.1	16.9	3.5	0.5	0	9.7		
599	3	02 33 45.7	06 49 53	41	0.0089	0.0016	42.0	17.0	5.5	0.8	0	12.3	H	S
600	4	02 33 56.3	06 55 43	53	0.0055	0.0016	21.8	16.2	3.5	0.7	0	18.7		
604	5	02 34 26.9	06 41 44	51	0.0087	0.0017	37.1	15.9	5.1	0.9	0	16.6	H	
608	6	02 34 53.3	06 55 04	51	0.0096	0.0022	28.0	12.0	4.4	1.0	0	27.6		

(2h 34m)

I 3258

(2h 34m)



0234+28: EXTRAGALACTIC STRONG MILLIMETER SOURCES

FIELD CENTER: $02^{\text{h}}34^{\text{m}}55.6^{\text{s}}$ $28^{\circ}35'11''$ (B1950)
 $02^{\text{h}}37^{\text{m}}52.4^{\text{s}}$ $28^{\circ}48'09''$ (J2000)
 $l: 149.47$ $b: -28.53$

DATE: 1980/ 45 - 1980/ 45
 LIVETIME: 1549.5s
 ROLL ANGLE: 114.0°

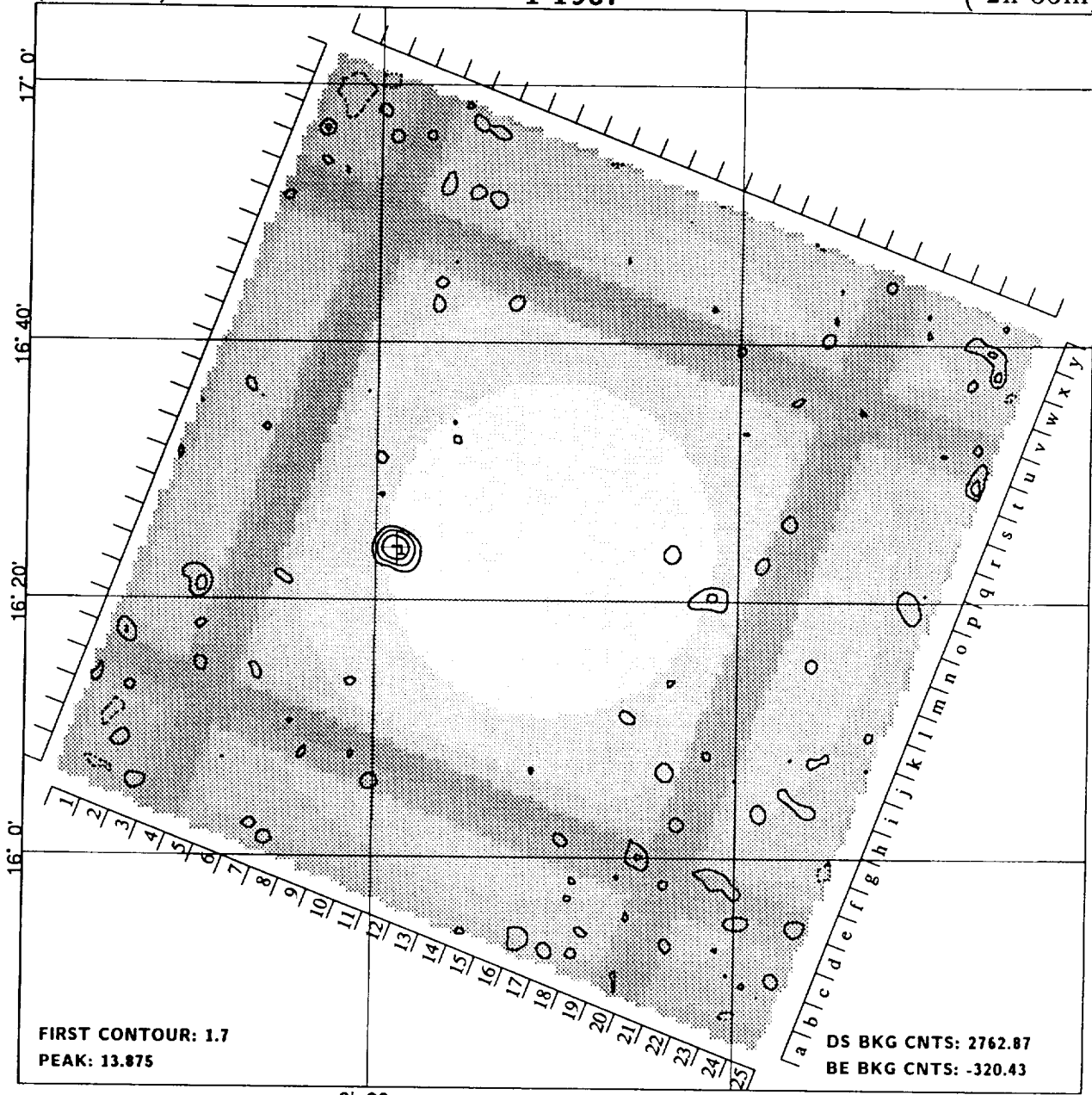
NH: $8.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
609	1	02 34 55.6	28 35 08	35	0.0367	0.0060	42.3	5.7	6.1	0.9	0	0.2	H *

(2h 35m)

I 1987

(2h 35m)



2h 36m

2h 34m

X-RAY STUDY OF BL LAC OBJECTS: A00235+164

FIELD CENTER: $02^h 35^m 00.0^s$ $16^\circ 23' 59''$ (B1950)
 $02^h 37^m 46.2^s$ $16^\circ 36' 57''$ (J2000)
 $l: 156.54$ $b: -39.22$

DATE: 1979/204 - 1979/204
LIVETIME: 2238.8s
ROLL ANGLE: -68.9°

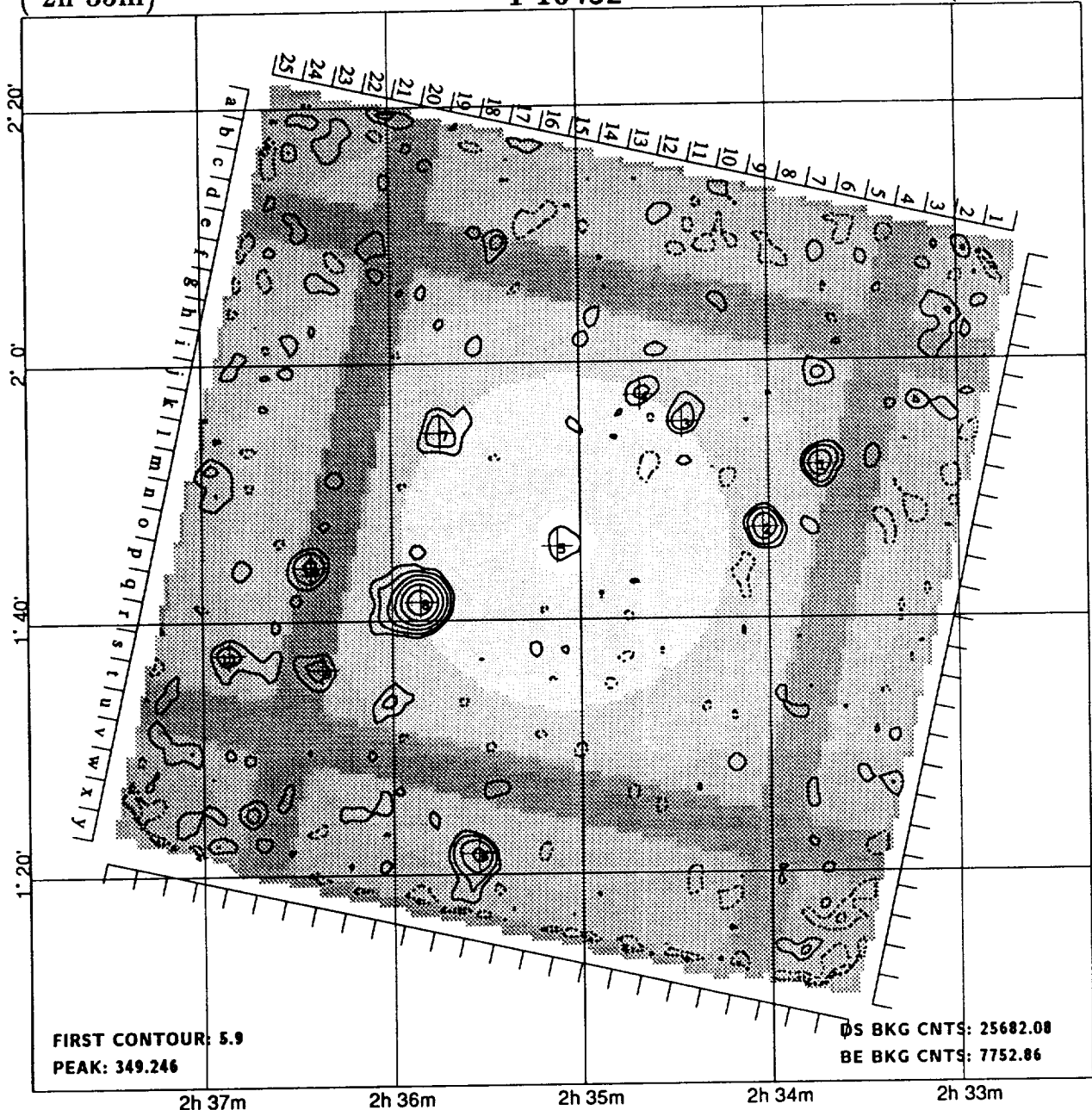
NH: $9.1E+20$
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
618	1	02 35 53.0	16 24 05	41	0.0309	0.0049	44.1	4.9	6.3	0.9	0	12.9	AH	BL

(2h 35m)

I 10452

(2h 35m)



N1004,ZWICKY CLUSTER W/ RADIO SOURCE

FIELD CENTER: 02^h35^m07.0^s 01°45'29" (B1950)
 02^h37^m42.1^s 01°58'27" (J2000)
l: 168.50 *b*: -51.25

DATE: 1981/ 51 - 1981/ 52
 LIVETIME: 20810.9s
 ROLL ANGLE: 102.5°

NH: 3.3E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
598	1	02 33 44.4	01 51 54	48	0.0102	0.0012	105.4	50.6	8.4	0.9	600	21.7	H
601	2	02 34 01.9	01 46 57	48	0.0115	0.0012	138.9	68.1	9.7	0.9	0	16.2	H
605	3	02 34 27.4	01 55 14	41	0.00482	0.00091	62.2	74.8	5.3	0.9	0	13.8	H
606	4	02 34 40.7	01 57 23	42	0.00309	0.00082	40.2	73.8	3.8	0.7	0	13.5	H
610	5	02 35 07.3	01 45 38	36	0.00270	0.00074	41.9	89.1	3.7	0.7	0	0.4	
613	6	02 35 33.1	01 21 38	48	0.0150	0.0016	132.9	61.1	9.5	1.3	0	24.7	H
616	7	02 35 44.4	01 54 32	41	0.00584	0.00092	75.7	65.3	6.4	1.2	0	12.8	H
617	8	02 35 50.9	01 41 27	37	0.0875	0.0026	1155.1	68.9	33.0	1.2	0	11.8	H
621	9	02 36 22.3	01 36 07	90	*0.00392	0.00089	39.5	41.5	4.4	1.0	1008	21.3	H
624	10	02 36 25.7	01 44 09	51	*0.00696	0.00099	73.1	34.9	7.0	0.9	1109	19.7	H

Source Table cont.

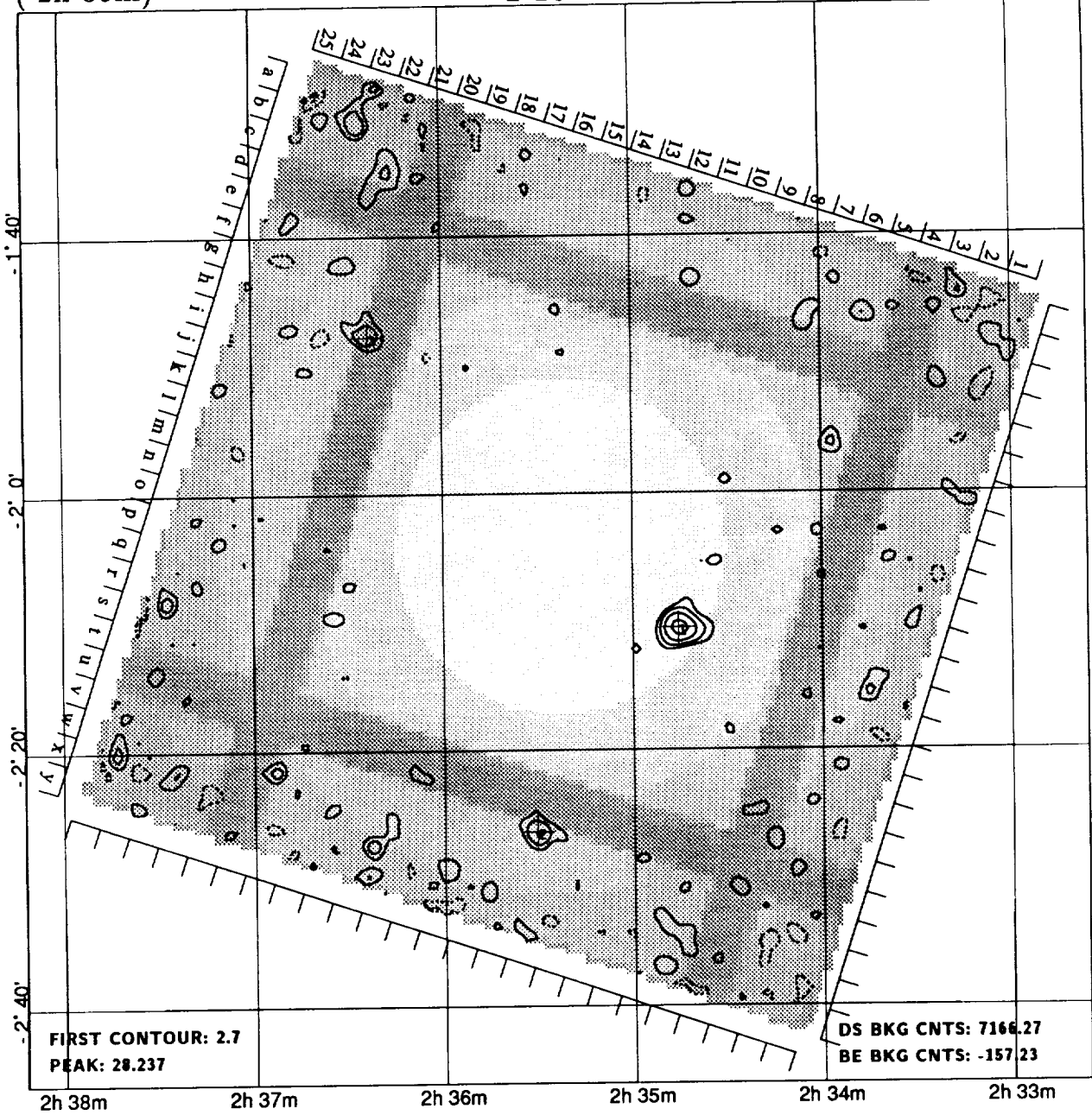
I 10452 cont.

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
629	11	02 36 51.7	01 37 20	67	0.0047	0.0012	37.3	50.7	4.0	1.4	0	27.5	H

(2h 35m)

I 10224

(2h 35m)



AN1: ACTIVE NUCLEI OF BARRED SPIRALS

FIELD CENTER: 02^h35^m24.0^s -02°03'59" (B1950)
 02^h37^m56.3^s -01°51'02" (J2000)
 l : 172.72 b : -54.09

DATE: 1981/ 27 - 1981/ 28
 LIVETIME: 5907.0s
 ROLL ANGLE: 108.1°

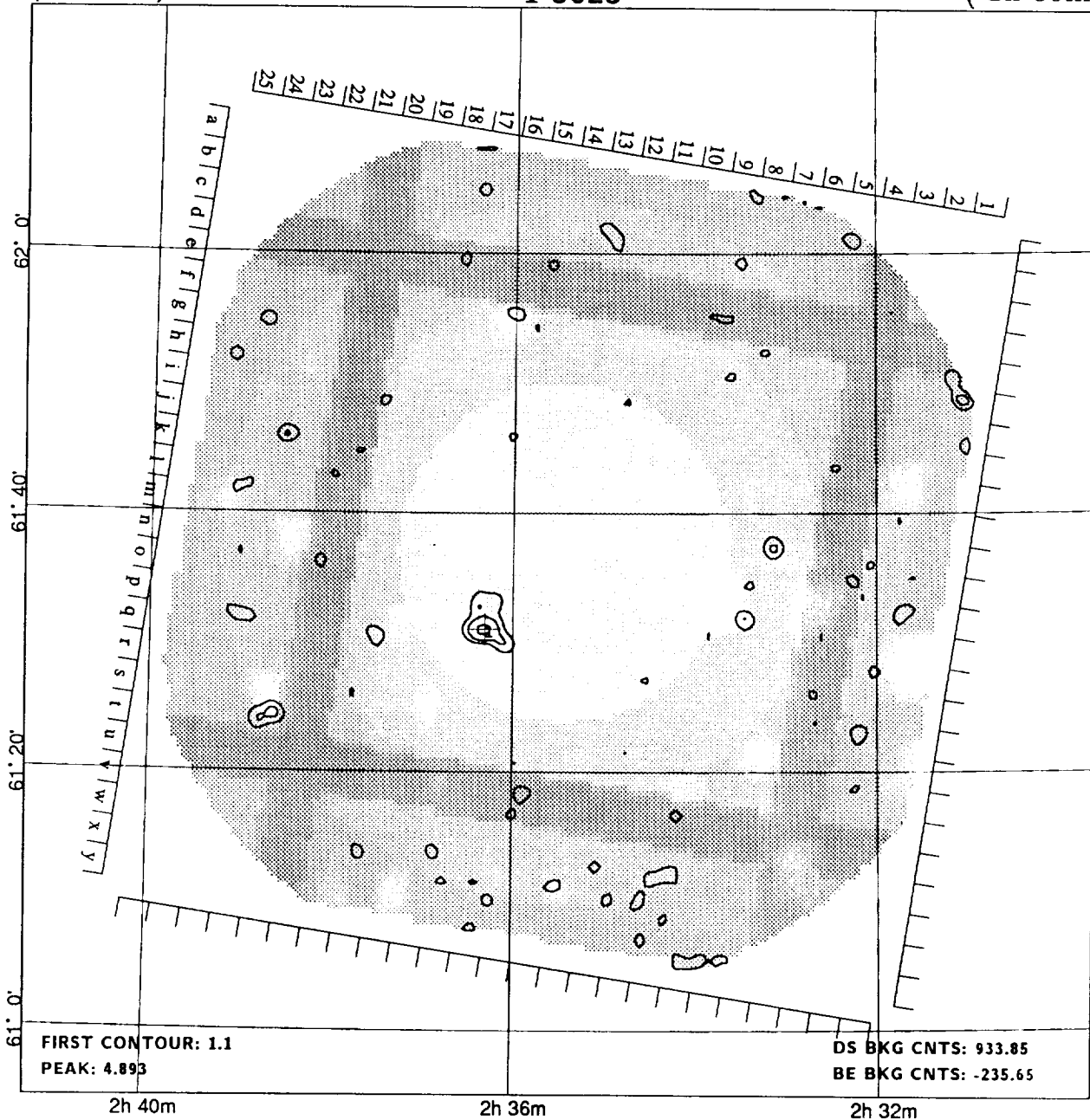
NH: 2.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
607	1	02 34 45.5	-02 10 32	38	0.0219 0.0026	82.8	15.2	8.4	1.0	0	11.5	H
612	2	02 35 30.8	-02 26 27	52	*0.0091 0.0022	25.0	10.0	4.2	0.9	702	22.6	H
622	3	02 36 23.3	-01 47 43	55	*0.0073 0.0019	19.9	8.1	3.8	0.8	1007	22.3	A

(2h 35m)

I 3623

(2h 35m)



COS-B GAMMA RAY SOURCE REGION B

FIELD CENTER: $02^h 35^m 30.0^s$ $61^\circ 36' 59''$ (B1950)
 $02^h 39^m 22.5^s$ $61^\circ 49' 54''$ (J2000)
 $l: 135.31$ $b: 1.58$

DATE: 1979/ 35 - 1979/ 35
 LIVETIME: 756.7s
 ROLL ANGLE: 99.0°

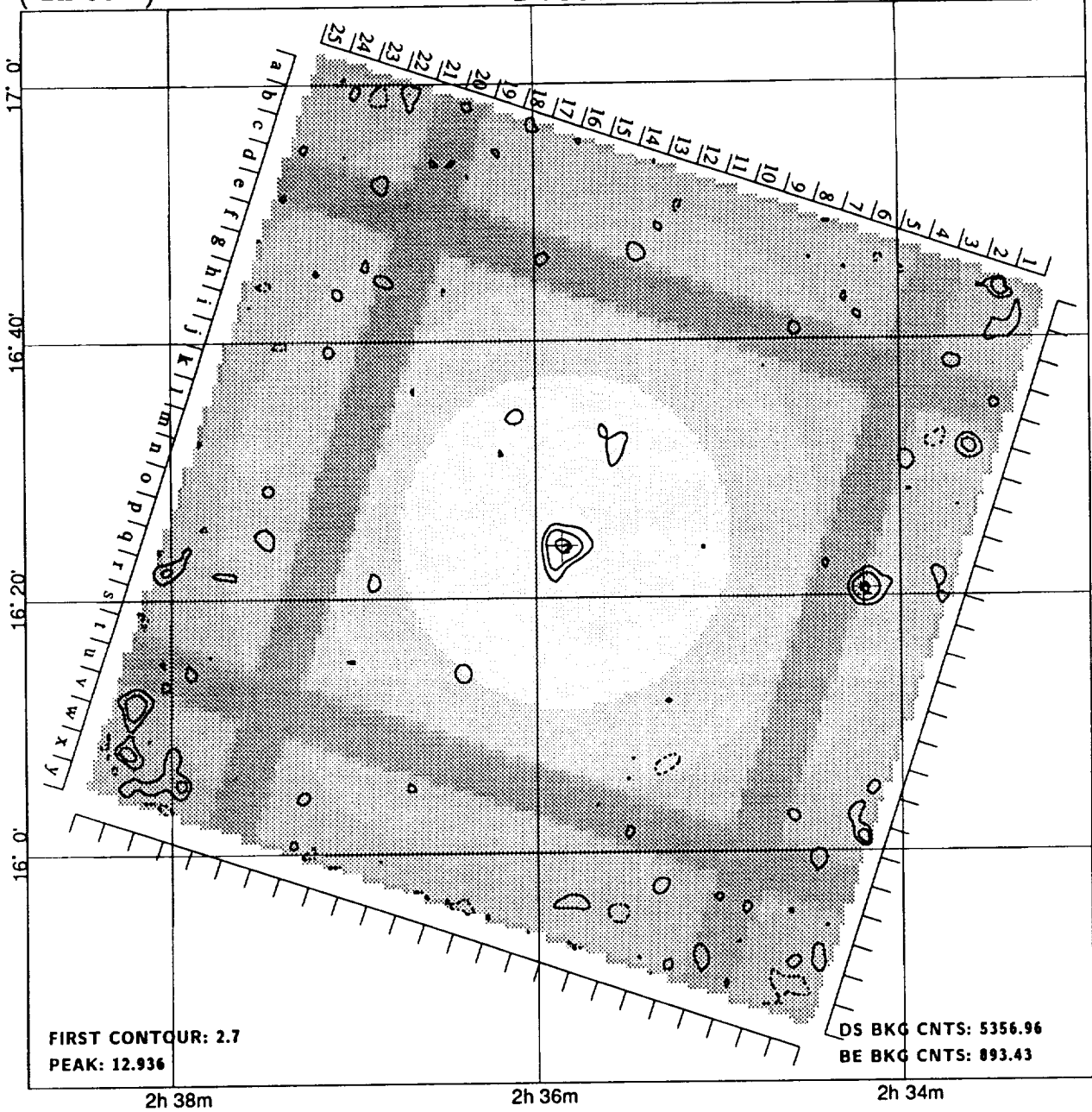
NH: $7.8E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
619	1	02 36 18.6	61 30 59	46	0.0284	0.0078	14.6	1.4	3.7	1.2	0	8.5	H

(2h 35m)

I 7506

(2h 35m)



AO 0235+164, TEMPORAL STUDIES OF FLUXES & SPECTRA OF BL LAC OBJECTS

FIELD CENTER: 02^h35^m52.6^s 16°24'04" (B1950)
 02^h38^m38.9^s 16°37'00" (J2000)
 l : 156.77 b : -39.11

DATE: 1981/ 46 - 1981/ 47
 LIVETIME: 4340.9s
 ROLL ANGLE: 108.2°

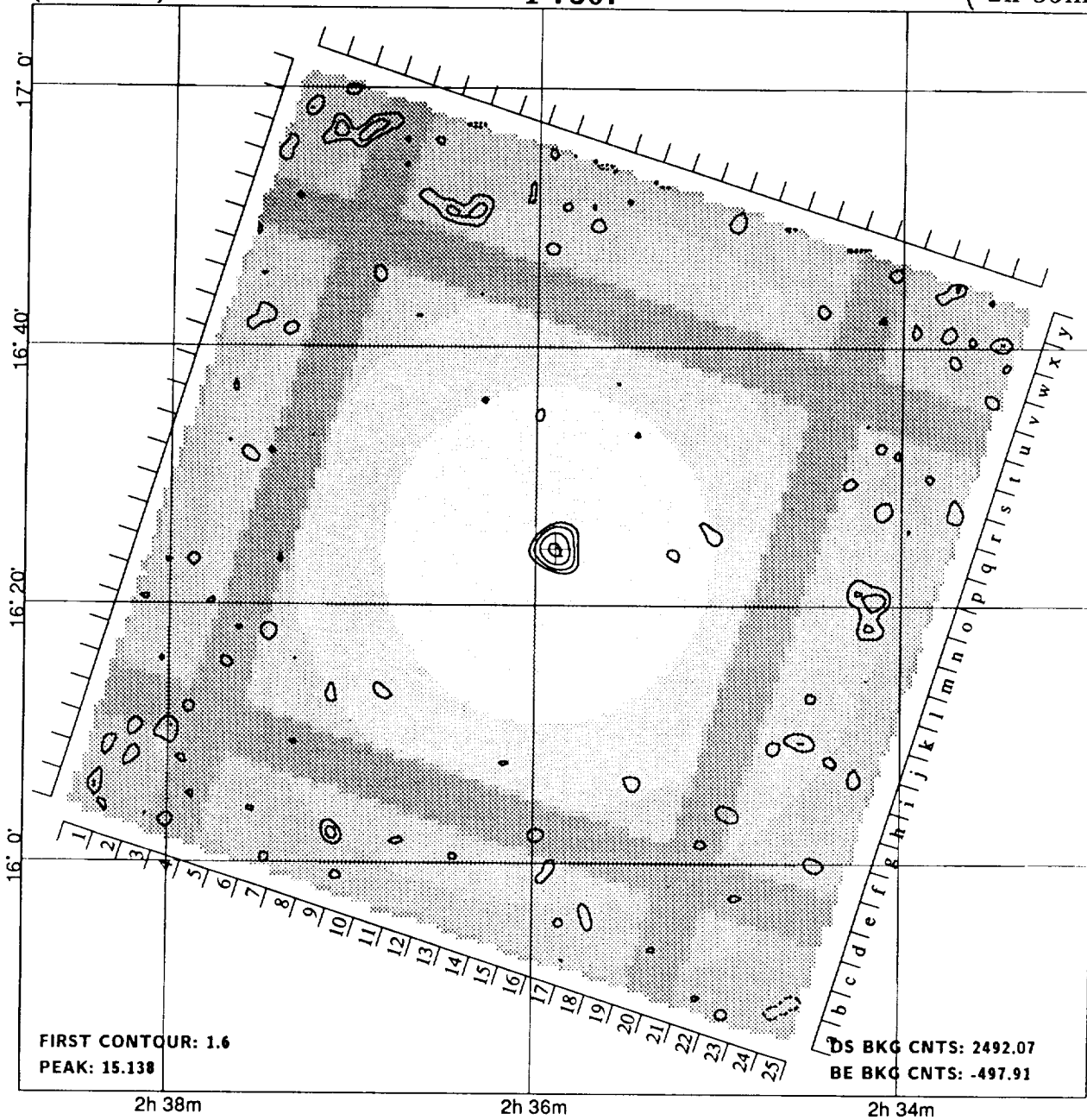
NH: 8.9E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
603	1	02 34 12.1	16 20 37	52	*0.0127 0.0030	24.9	9.1	4.3	0.9	805	24.4	AH	
618	2	02 35 51.5	16 24 02	35	0.0167 0.0026	54.1	15.9	6.5	1.2	0	0.2	AH	BL

(2h 35m)

I 7507

(2h 35m)



AO 0235+164, TEMPORAL STUDIES OF FLUXES & SPECTRA OF BL LAC OBJECTS

FIELD CENTER: $02^{\text{h}}35^{\text{m}}52.6^{\text{s}}$ $16^{\circ}24'04''$ (B1950)
 $02^{\text{h}}38^{\text{m}}38.9^{\text{s}}$ $16^{\circ}37'00''$ (J2000)
 $l: 156.77$ $b: -39.11$

DATE: 1980/204 - 1980/204
 LIVETIME: 2019.4s
 ROLL ANGLE: -72.3°

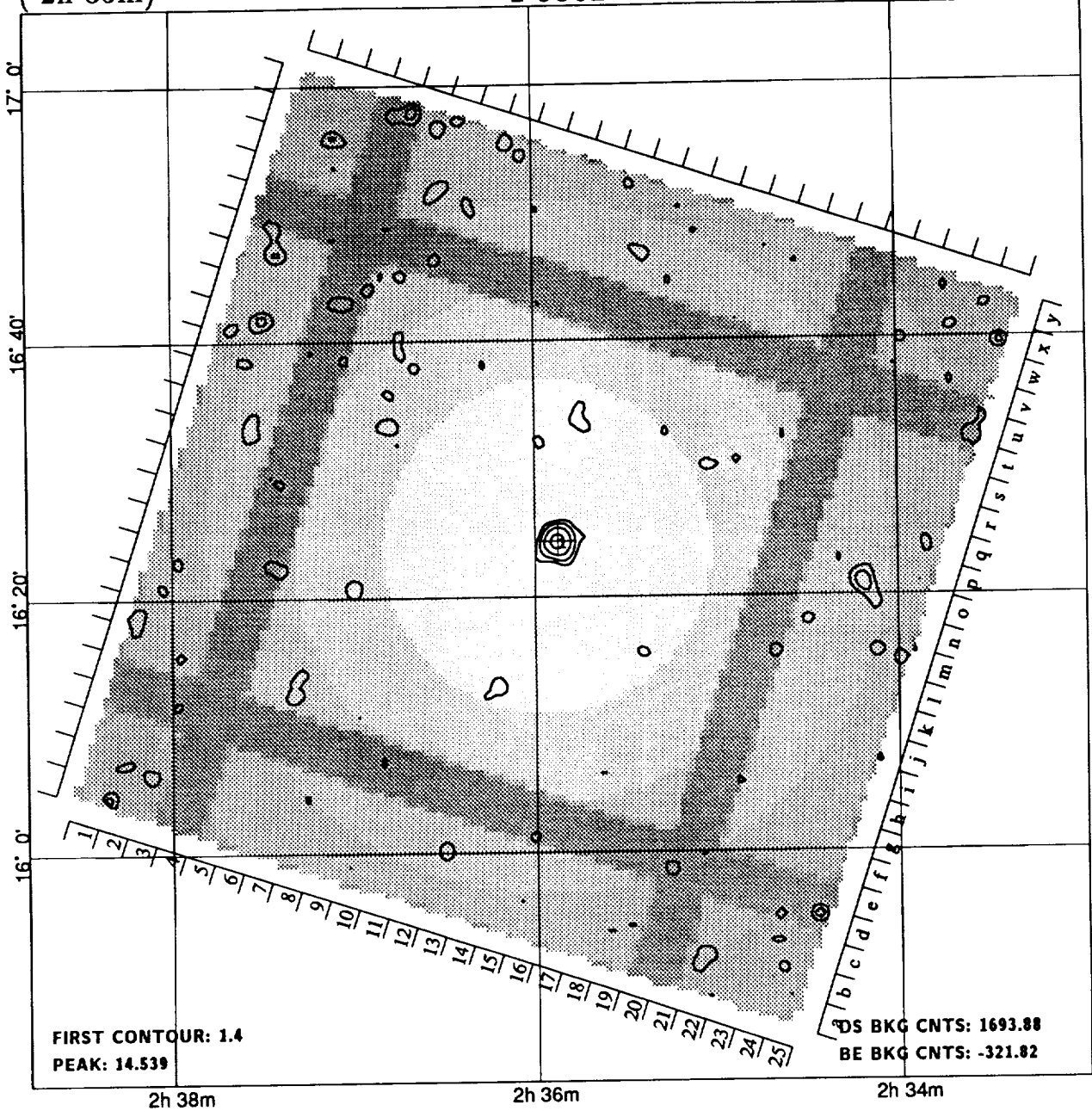
NH: $8.9\text{E}+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
618	1	02 35 53.4	16 24 21	34	0.0403	0.0054	60.5	4.5	7.5	1.0	0	0.6	AH BL

(2h 35m)

I 9562

(2h 35m)



AO 0235+164, TEMPORAL STUDY OF FLUXES AND SPECTRA OF BL LAC OBJECTS

FIELD CENTER: 02^h35^m52.6^s 16°24'04" (B1950)
 02^h38^m38.9^s 16°37'00" (J2000)
 l : 156.77 b : -39.11

DATE: 1980/218 - 1980/218
 LIVETIME: 1372.6s
 ROLL ANGLE: -72.0°

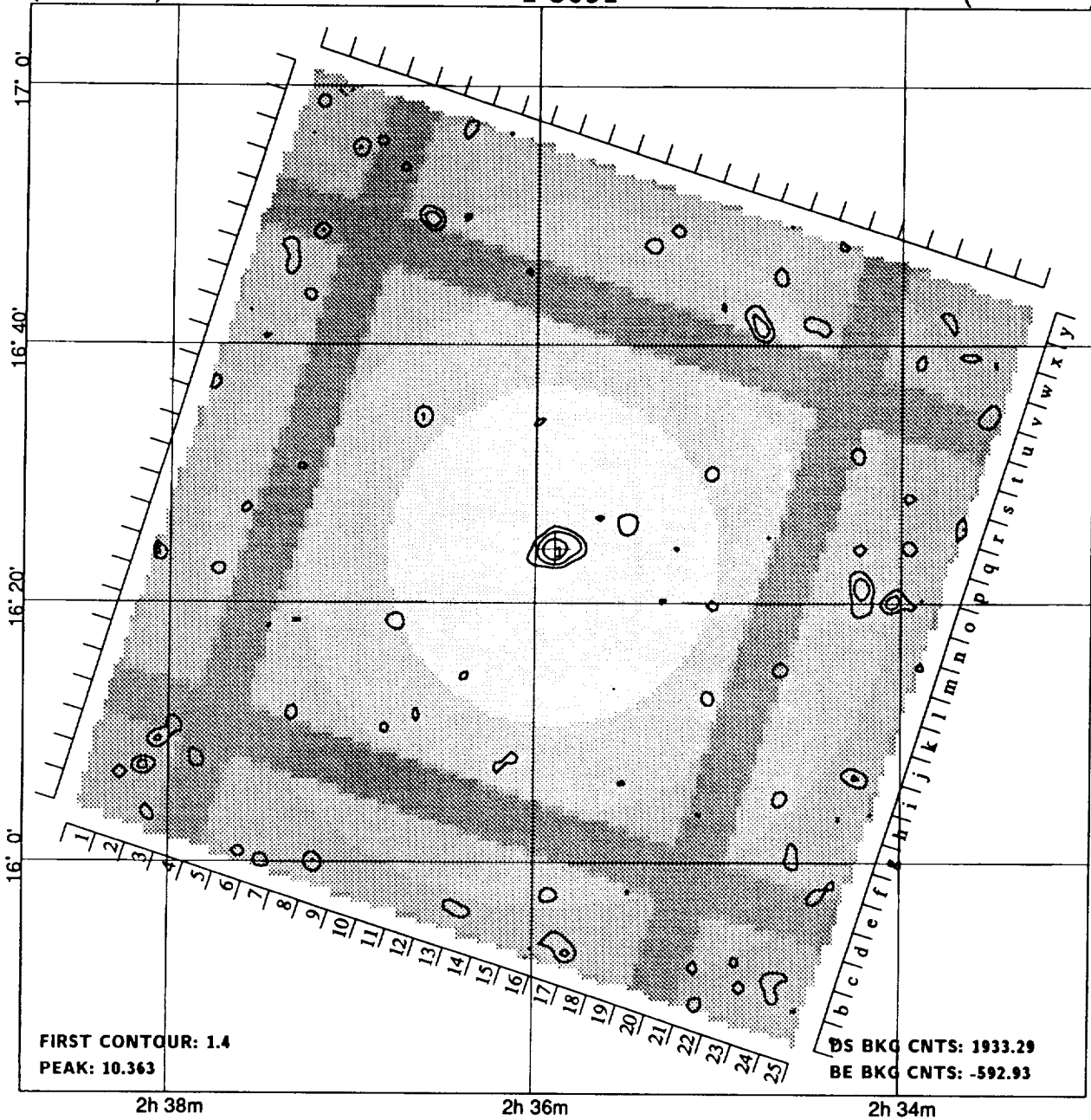
NH: 8.9E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
618	1	02 35 52.4	16 24 23	35	0.0479	0.0071	48.9	3.1	6.8	0.9	0	0.4	AH BL

(2h 35m)

I 5691

(2h 35m)



STUDY OF VARIABILITY: 0235 +16

FIELD CENTER: 02^h35^m53.0^s 16°24'03" (B1950)
 02^h38^m39.3^s 16°36'59" (J2000)
 l : 156.77 b : -39.11

DATE: 1980/211 - 1980/211
 LIVETIME: 1566.6s
 ROLL ANGLE: -72.2°

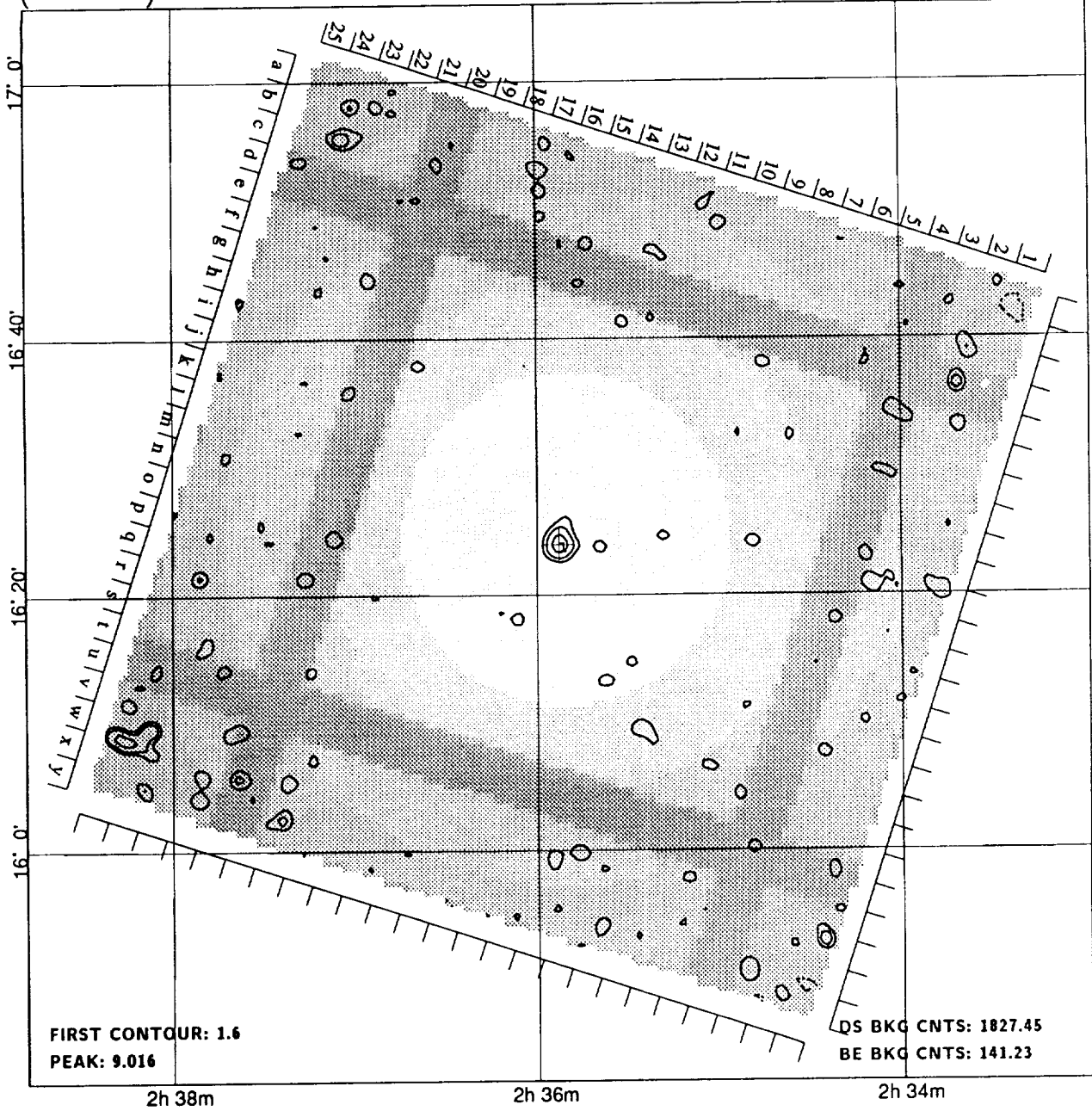
NH: 8.9E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
618	1	02 35 53.6	16 24 12	35	0.0318	0.0054	37.1	2.9	5.9	1.1	0	0.4	AH	BL

(2h 35m)

I 9283

(2h 35m)



0235+16: STUDY OF VARIABILITY

FIELD CENTER: 02^h35^m53.0^s 16°24'03" (B1950)
 02^h38^m39.3^s 16°36'59" (J2000)
 l : 156.77 b : -39.11

DATE: 1981/ 32 - 1981/ 32
 LIVETIME: 1480.8s
 ROLL ANGLE: 107.9°

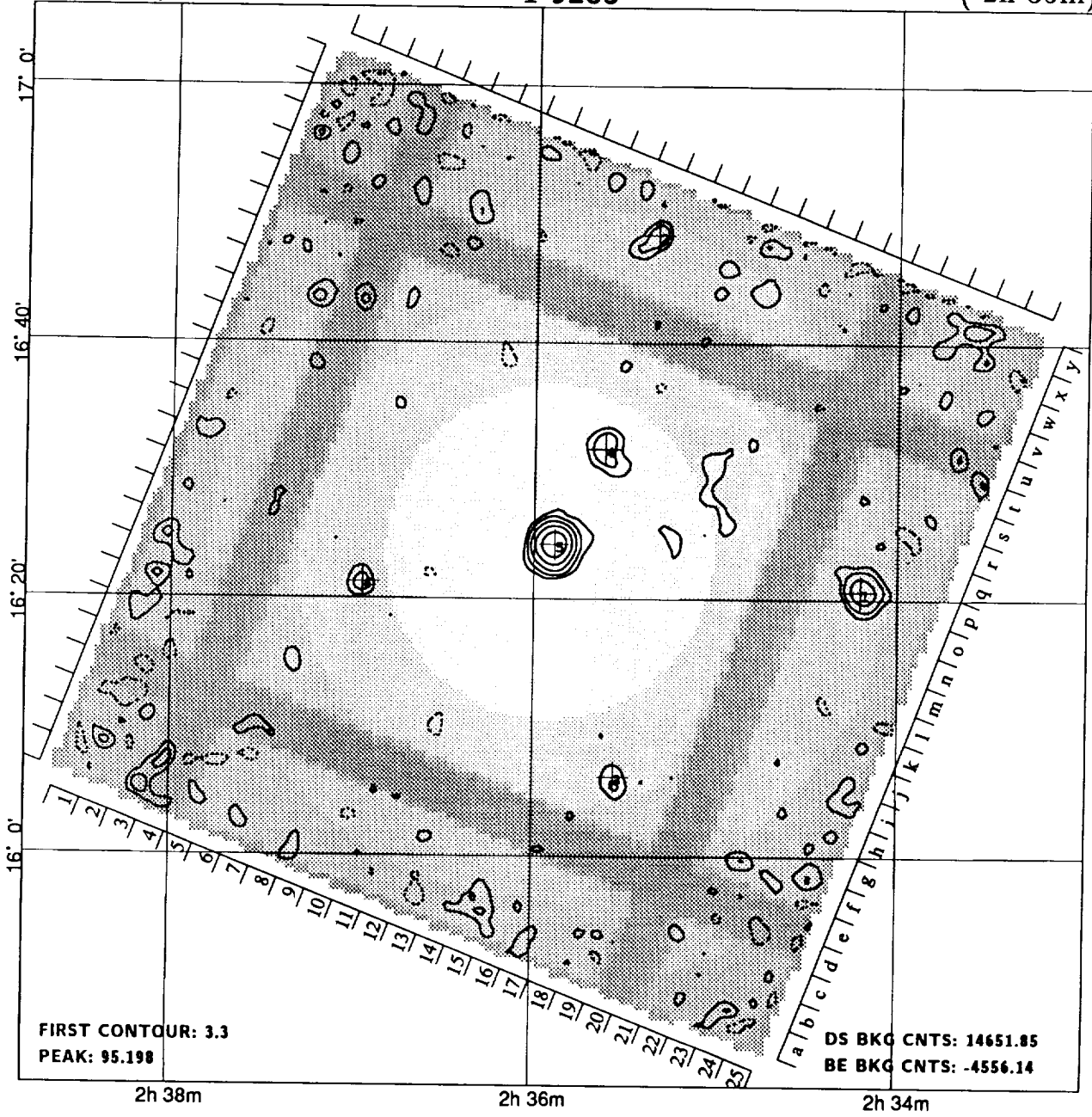
NH: 8.9E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
618	1	02 35 52.8	16 23 59	35	0.0271	0.0054	29.9	5.1	5.1	0.8	0	0.2	AH	BL

(2h 35m)

I 9285

(2h 35m)



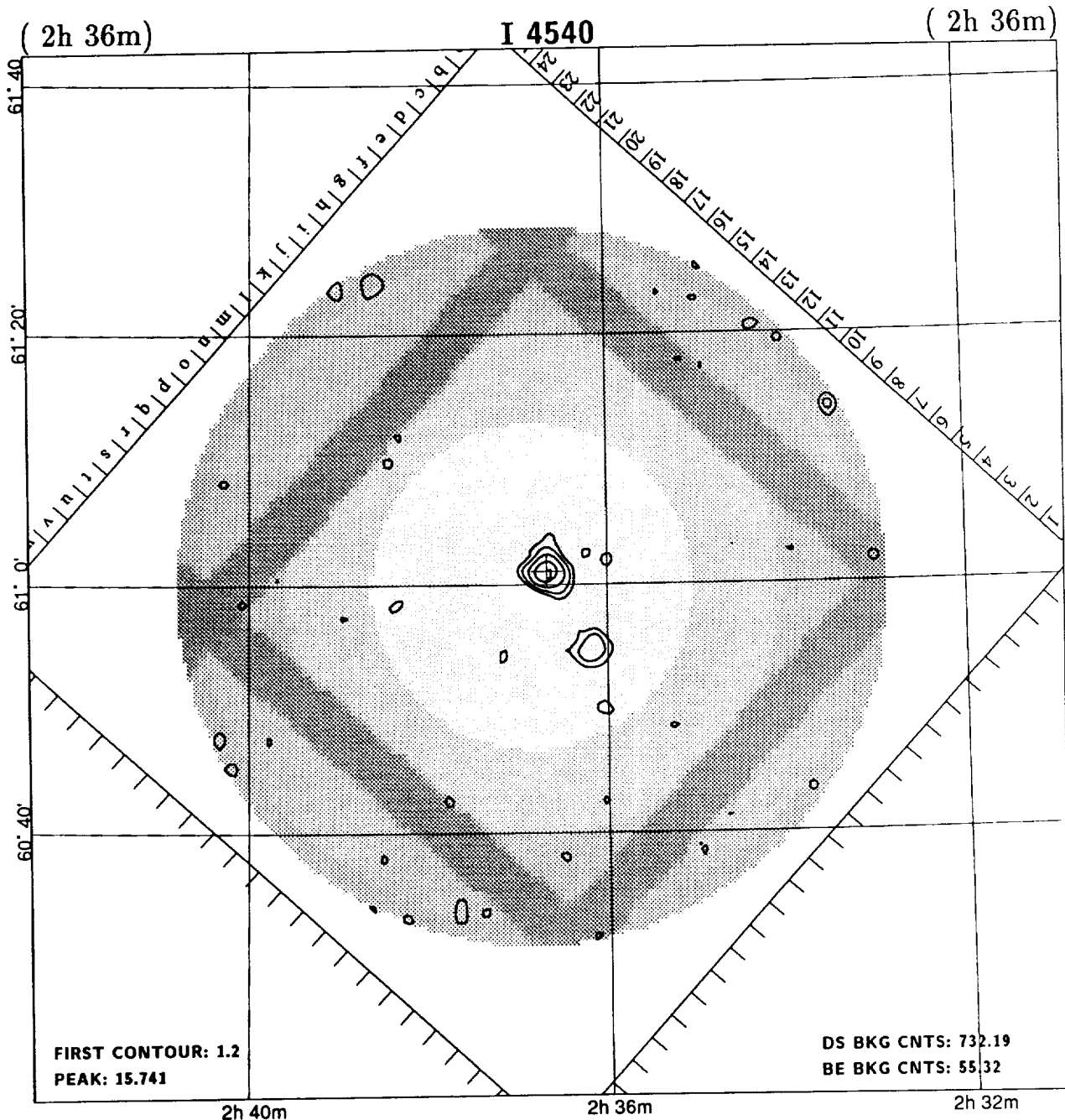
0235+16: STUDY OF VARIABILITY

FIELD CENTER: 02^h35^m53.0^s 16°24'03" (B1950)
 02^h38^m39.3^s 16°36'59" (J2000)
l: 156.77 *b*: -39.11

DATE: 1980/217 - 1980/218
 LIVETIME: 11872.8s
 ROLL ANGLE: -68.8°

NH: 8.9E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
603	1	02 34 12.1	16 20 36	50	0.0100	0.0016	51.2	13.8	6.3	1.1	0	24.6	AH	
611	2	02 35 19.6	16 48 21	55	0.0048	0.0013	23.5	15.5	3.8	0.9	0	25.0		
614	3	02 35 33.2	16 06 08	57	0.00351	0.00098	22.5	16.5	3.6	0.7	0	18.3		
615	4	02 35 36.6	16 31 45	41	0.0059	0.0010	46.8	23.2	5.6	1.1	0	8.2	H	
618	5	02 35 53.1	16 24 14	31	0.0451	0.0023	398.3	21.7	19.4	1.2	0	0.2	AH	BL
630	6	02 36 56.9	16 21 16	51	0.0038	0.0010	26.6	25.4	3.7	0.7	0	15.6		



VARIABLE RADIO SOURCE GT 0236+610

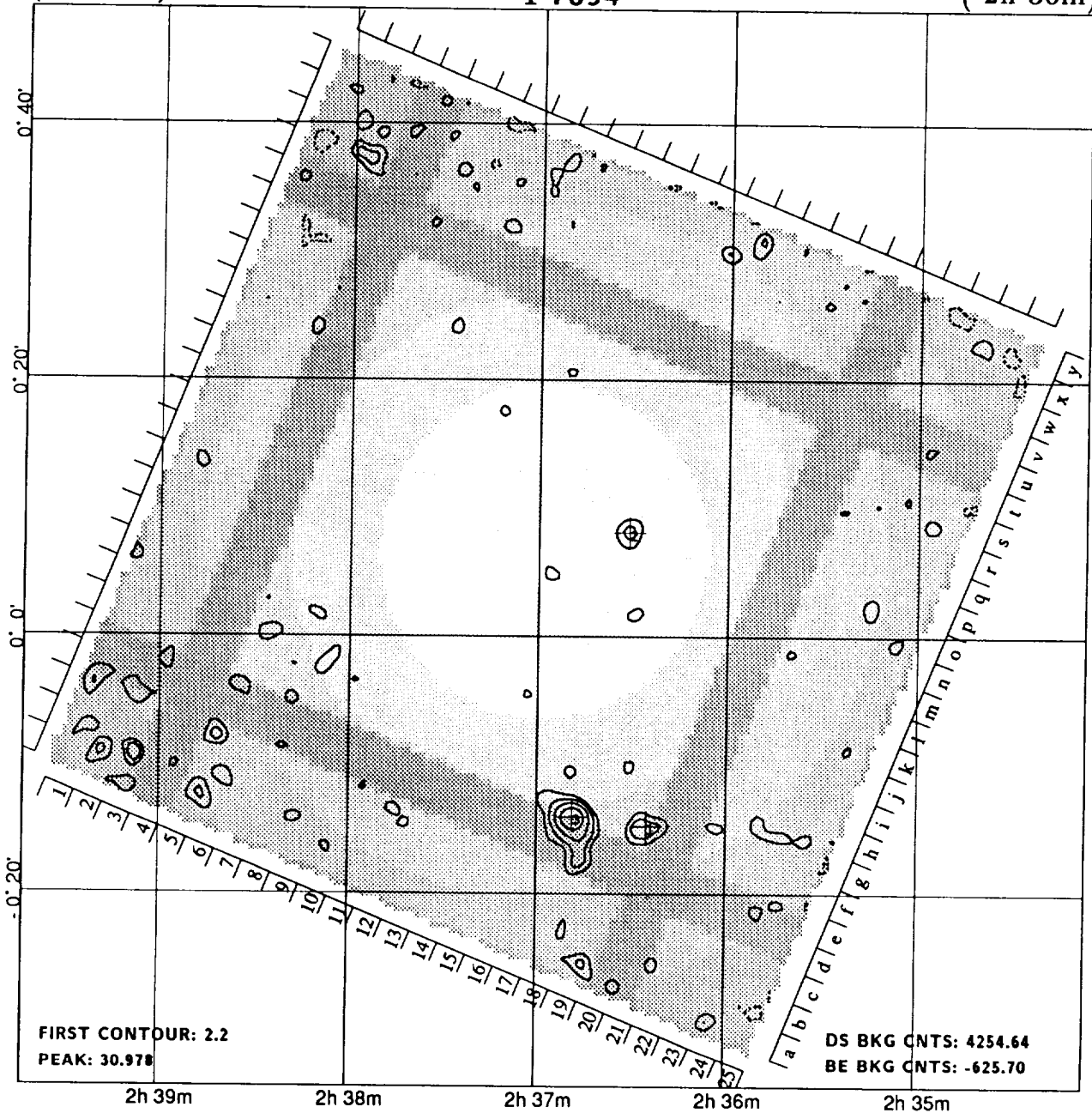
FIELD CENTER: 02 ^h 36 ^m 40.5 ^s 61°00'53" (B1950) 02 ^h 40 ^m 31.5 ^s 61°13'45" (J2000) <i>ℓ</i> : 135.68 <i>b</i> : 1.09	DATE: 1980/ 69 - 1980/ 69 LIVETIME: 593.3s ROLL ANGLE: 132.1°	NH: 7.9E+21 REF/ID: FIELD FLAGS:
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CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID FLG
627	1	02 36 40.7	61 01 01	34	0.123	0.017	53.9	2.1	7.2	1.1	0	0.2	AH	*

(2h 36m)

I 7894

(2h 36m)



DELTA CET, BETA CEPHEI STARS

FIELD CENTER: $02^h 36^m 55.0^s$ $00^{\circ} 06' 49''$ (B1950)
 $02^h 39^m 28.9^s$ $00^{\circ} 19' 42''$ (J2000)
 $l: 170.76$ $b: -52.21$

DATE: 1980/196 - 1980/197
 LIVETIME: 3447.6s
 ROLL ANGLE: -67.9°

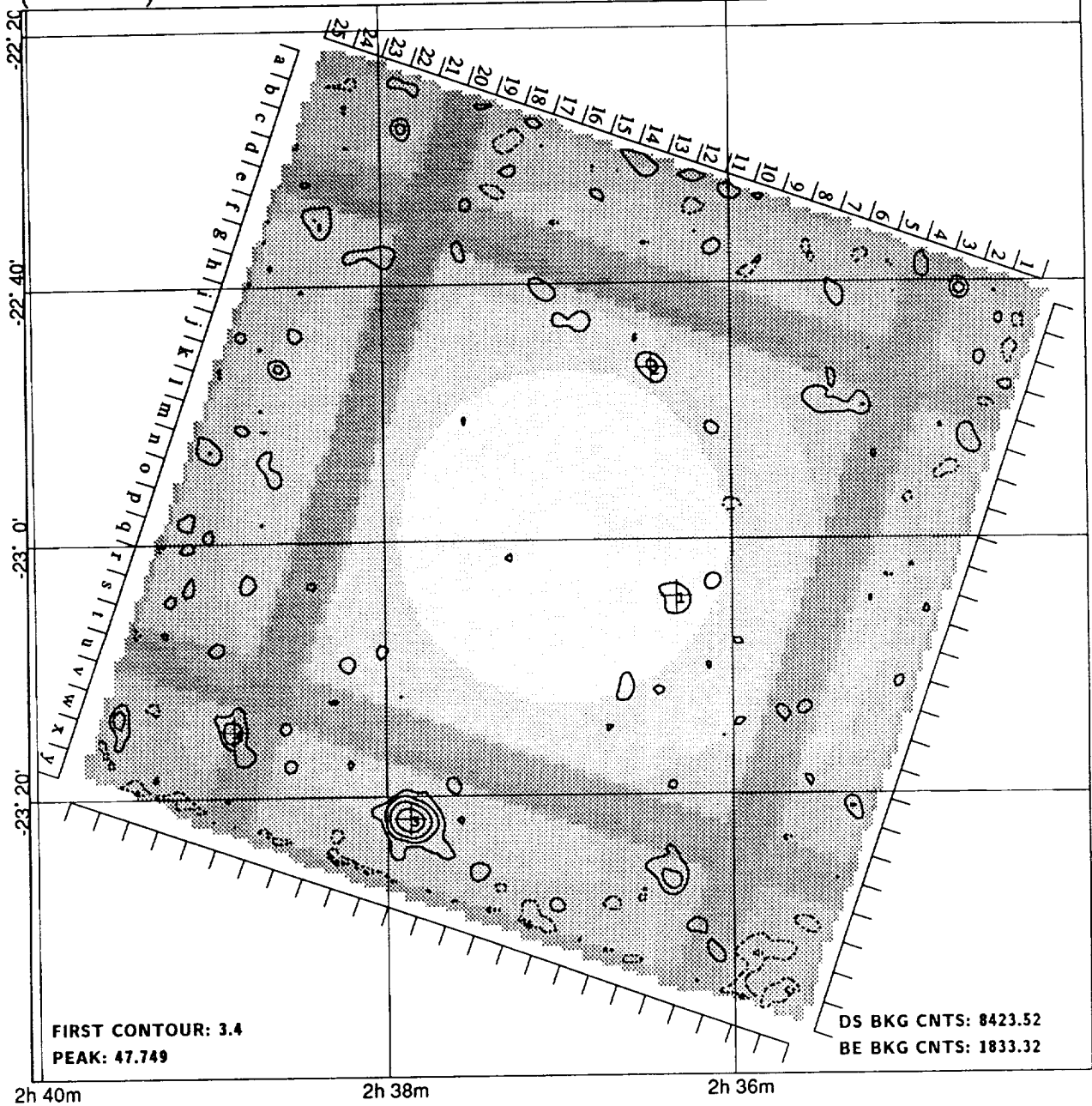
NH: $2.9E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
623	1	02 36 25.1	-00 14 46	55	0.0111	0.0031	17.8	6.2	3.6	0.9	900	22.5	H
626	2	02 36 31.4	00 08 09	46	0.0082	0.0022	19.7	7.3	3.8	0.8	0	6.0	H
628	3	02 36 48.7	-00 14 01	48	*0.0440	0.0052	75.6	4.4	8.4	1.3	905	21.0	"

(2h 37m)

I 2013

(2h 37m)



0237-23/45 Z SYSTEMS: STUDY, QUASARS

FIELD CENTER: 02^h 37^m 00.0^s -22° 59' 59" (B1950)
 02^h 39^m 15.8^s -22° 47' 06" (J2000)
 l : 208.82 b : -65.23

DATE: 1979/ 24 - 1979/ 24
 LIVETIME: 6825.8s
 ROLL ANGLE: 109.1°

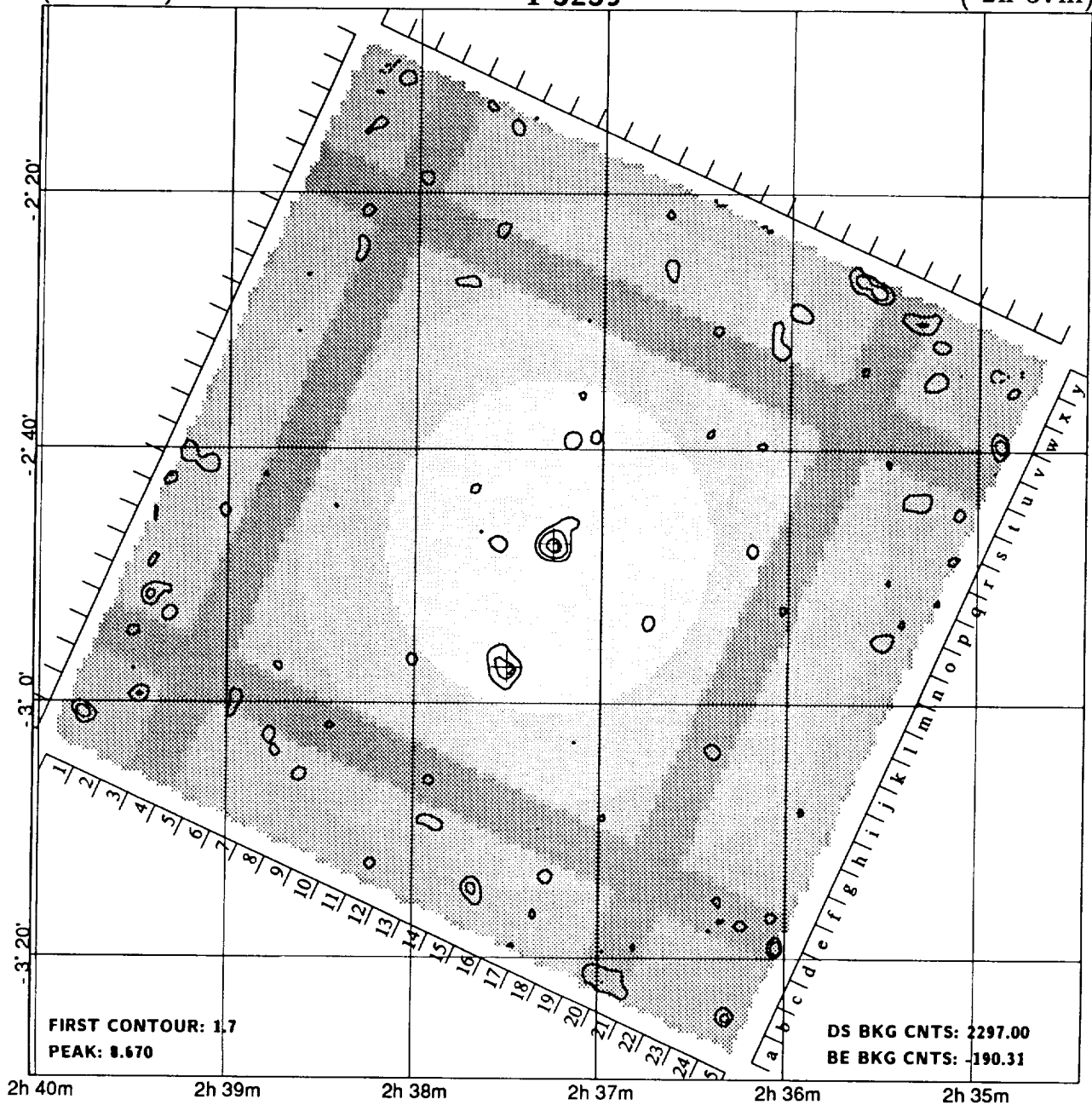
NH: 2.3E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
620	1	02 36 19.2	-23 04 27	47	0.0058 0.0015	26.5	20.5	3.9	0.7	0	10.6	H	
625	2	02 36 27.4	-22 46 36	54	0.0069 0.0017	27.9	20.1	4.0	0.7	0	15.6	H	
638	3	02 37 51.9	-23 21 45	48	0.0407 0.0040	119.1	15.9	10.2	1.3	0	24.8	AH	Q
644	4	02 38 52.4	-23 14 49	61	*0.0079 0.0022	18.7	9.3	3.5	1.0	905	29.9	A	

(2h 37m)

I 3259

(2h 37m)



0237-02: EXTRAGALACTIC STRONG MILLIMETER SOURCES

FIELD CENTER: $02^h 37^m 13.7^s$ $-02^\circ 47' 33''$ (B1950)
 $02^h 39^m 45.4^s$ $-02^\circ 34' 41''$ (J2000)
 $l: 174.14$ $b: -54.30$

DATE: 1979/202 - 1979/202
 LIVETIME: 1861.3s
 ROLL ANGLE: -65.7°

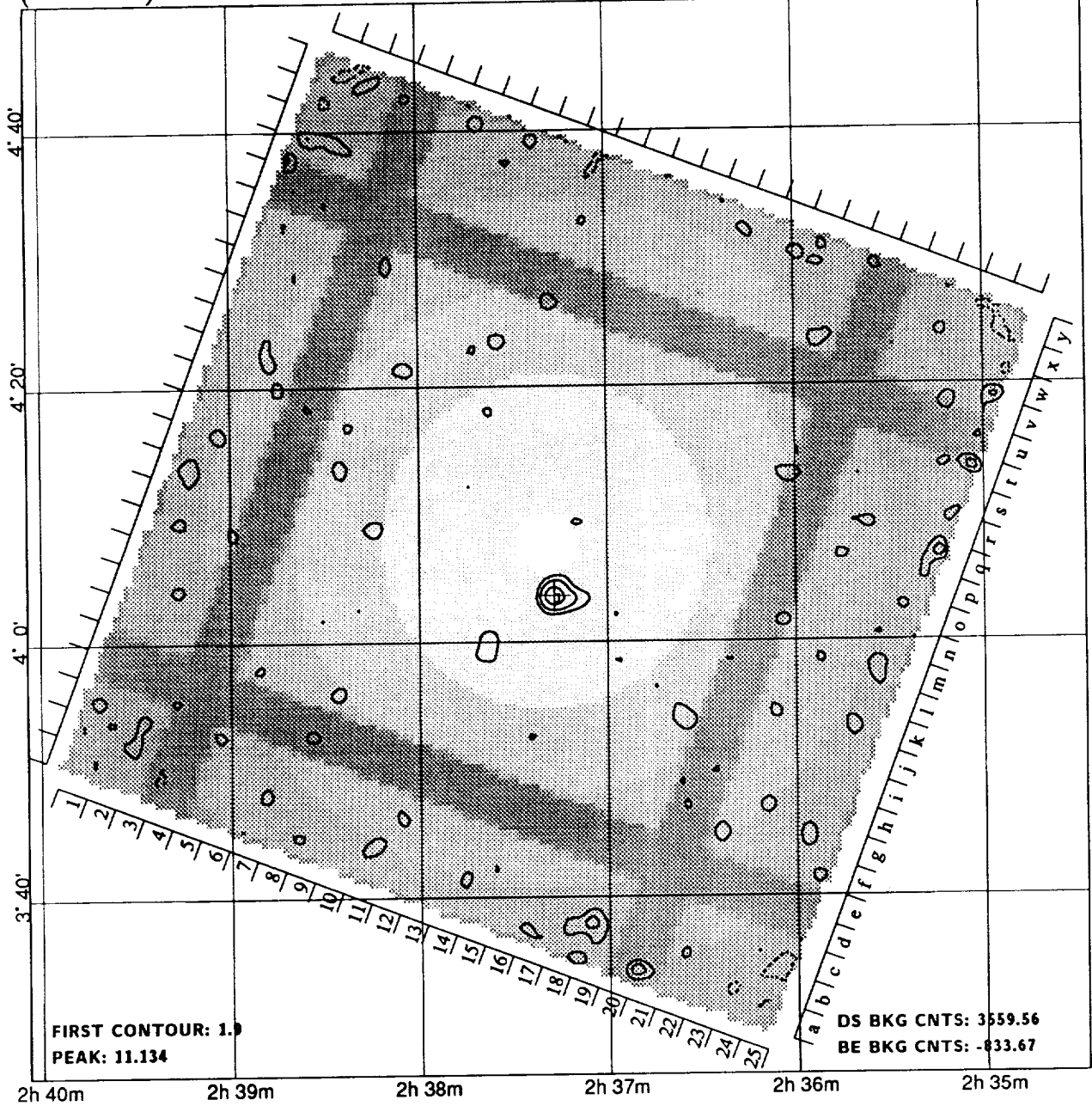
NH: $3.1E+20$
 REF/ID: Q
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
631	1	02 37 15.5	-02 47 32	35	0.0238	0.0044	33.0	5.0	5.3	0.9	0	0.4	H	*
634	2	02 37 30.2	-02 57 10	47	0.0156	0.0040	19.3	4.7	3.9	0.9	0	10.3		

(2h 37m)

I 7185

(2h 37m)



PKS0237+04, HIGH FREQUENCY/FLAT SPECTRUM RADIO SOURCE

FIELD CENTER: 02^h37^m16.0^s 04°07'59" (B1950)
 02^h39^m52.9^s 04°20'51" (J2000)
 l : 166.83 b : -49.06

DATE: 1980/217 - 1980/217
 LIVETIME: 2884.4s
 ROLL ANGLE: -69.3°

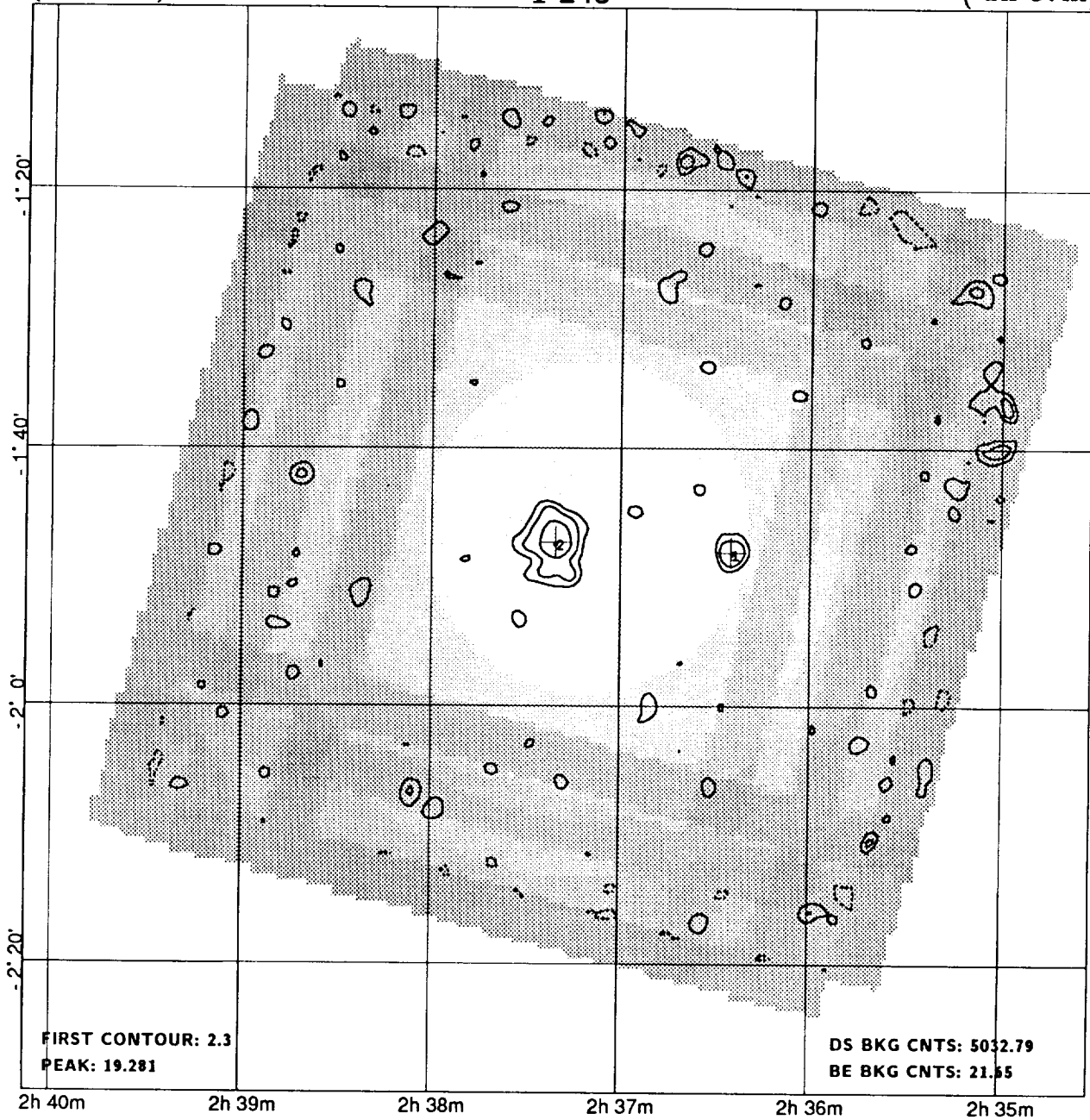
NH: 4.4E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
632	1	02 37 17.0	04 03 38	35	0.0186	0.0033	38.7	7.3	5.7	1.0	0	4.4	H

(2h 37m)

I 245

(2h 37m)



A 370 CLUSTER EVOLUTION

FIELD CENTER: $02^{\text{h}}37^{\text{m}}20.0^{\text{s}}$ $-01^{\circ}47'59''$ (B1950)
 $02^{\text{h}}39^{\text{m}}52.5^{\text{s}}$ $-01^{\circ}35'08''$ (J2000)
 $l: 173.01$ $b: -53.56$

DATE: 1979/226 - 1980/ 40
 LIVETIME: 4078.2s

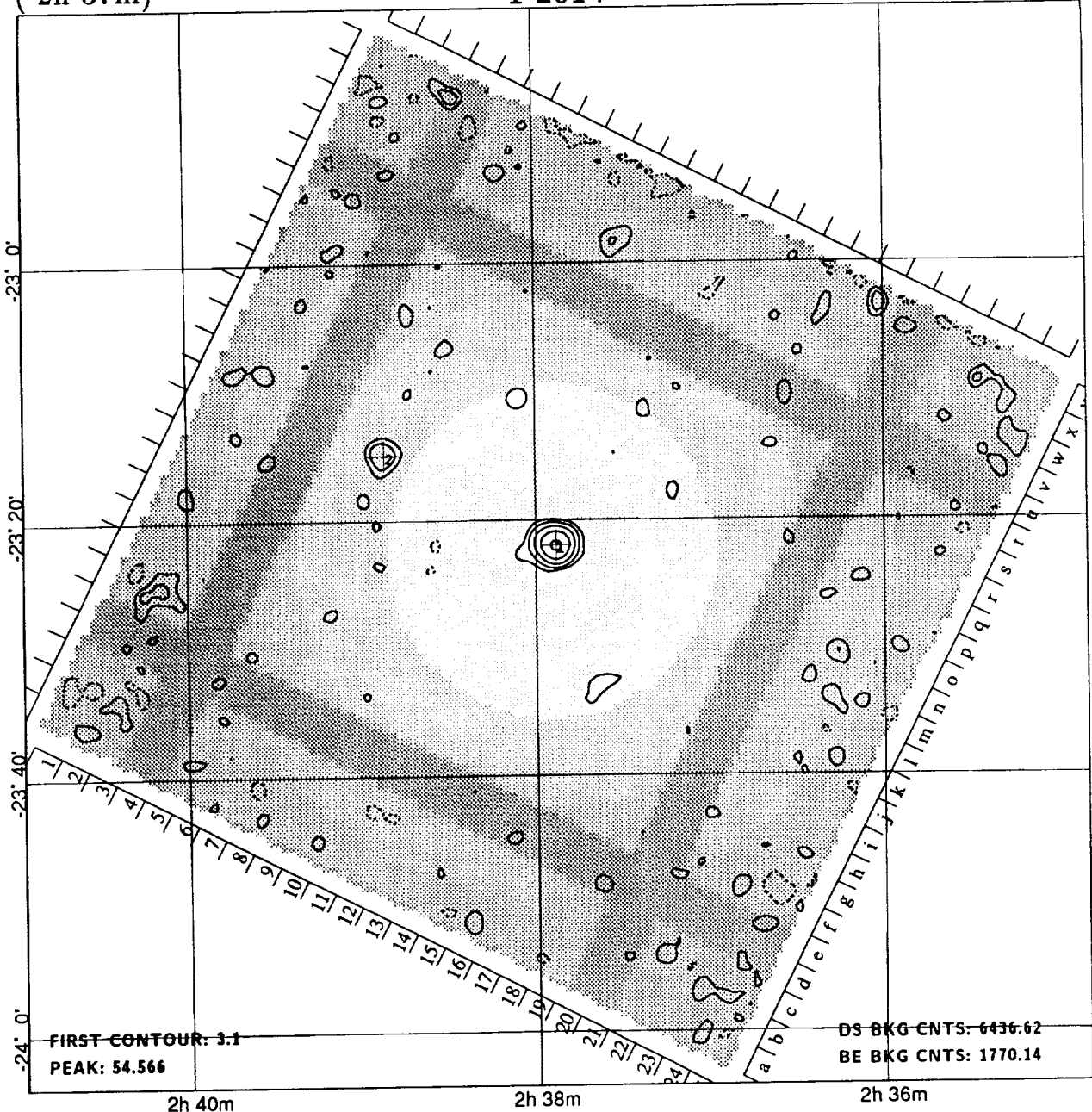
NH: $3.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
622	1	02 36 25.0	-01 48 01	42	0.0118	0.0024	31.6	10.4	4.9	0.8	0	13.5	AH	
633	2	02 37 20.5	-01 47 14	32	0.0285	0.0033	86.4	10.6	8.8	2.1	0	1.8		CLG

(2h 37m)

I 2014

(2h 37m)



0237-23/45 Z SYSTEMS: STUDY, QUASARS

FIELD CENTER: $02^h 37^m 53.0^s$ $-23^\circ 22' 08''$ (B1950)
 $02^h 40^m 08.4^s$ $-23^\circ 09' 17''$ (J2000)
 $l: 209.80$ $b: -65.13$

DATE: 1979/194 - 1979/194
 LIVETIME: 5215.8s
 ROLL ANGLE: -63.2°

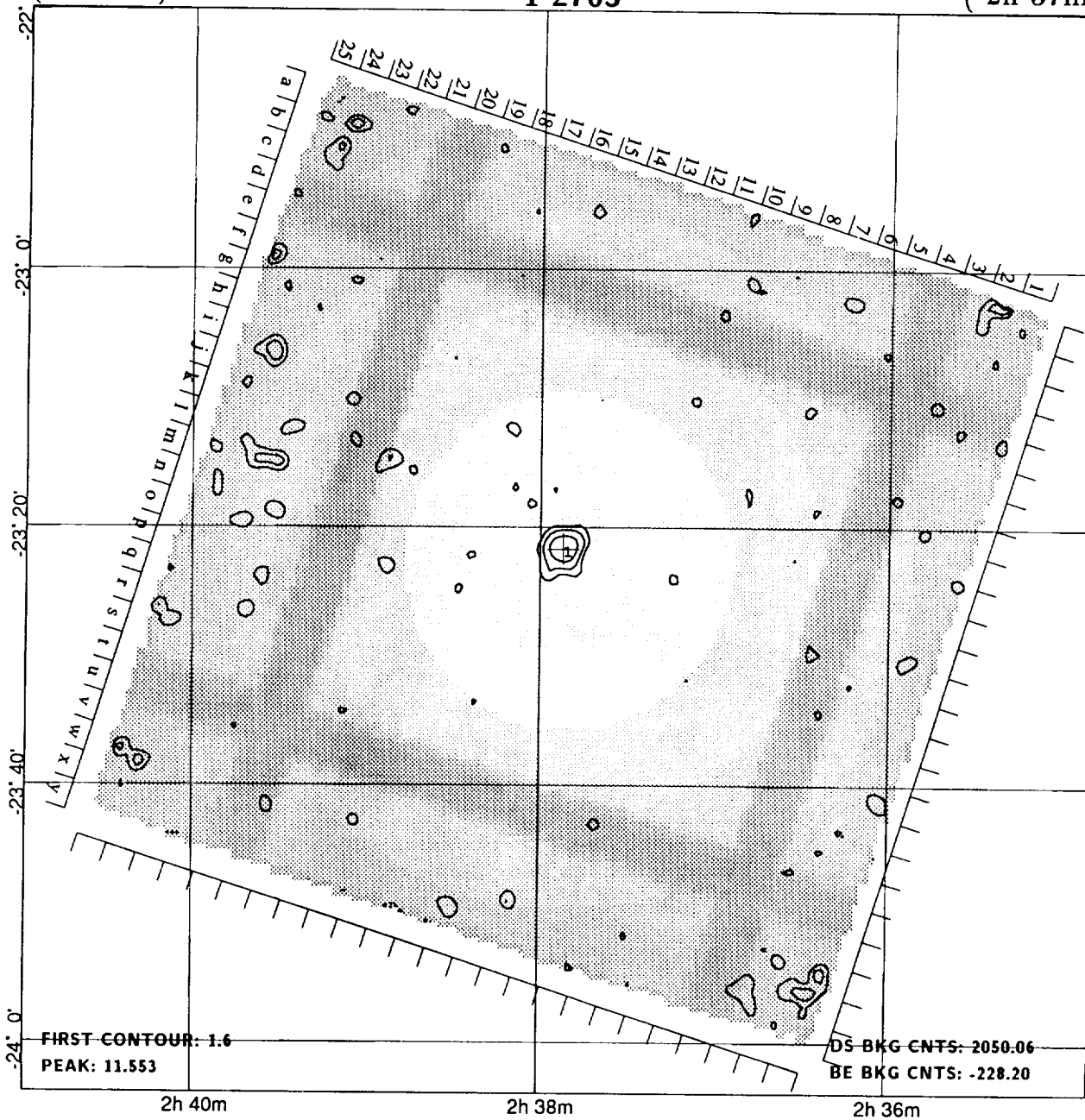
NH: $2.4E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
638	1	02 37 53.0	-23 22 01	31	0.0555	0.0040	215.6	20.4	14.0	1.1	0	0.4	AH	Q
644	2	02 38 52.2	-23 14 55	51	0.0110	0.0023	33.5	15.5	4.8	0.8	0	15.6	AH	

(2h 37m)

I 2705

(2h 37m)



QUASAR SURVEY: PKS 0237-23

FIELD CENTER: $02^h 37^m 54.0^s$ $-23^\circ 21' 59''$ (B1950)
 $02^h 40^m 09.4^s$ $-23^\circ 09' 09''$ (J2000)
 $l: 209.79$ $b: -65.13$

DATE: 1979/ 33 - 1979/ 33

LIVETIME: 1661.2s

ROLL ANGLE: 107.7°

NH: $2.4E+20$

REF/ID:

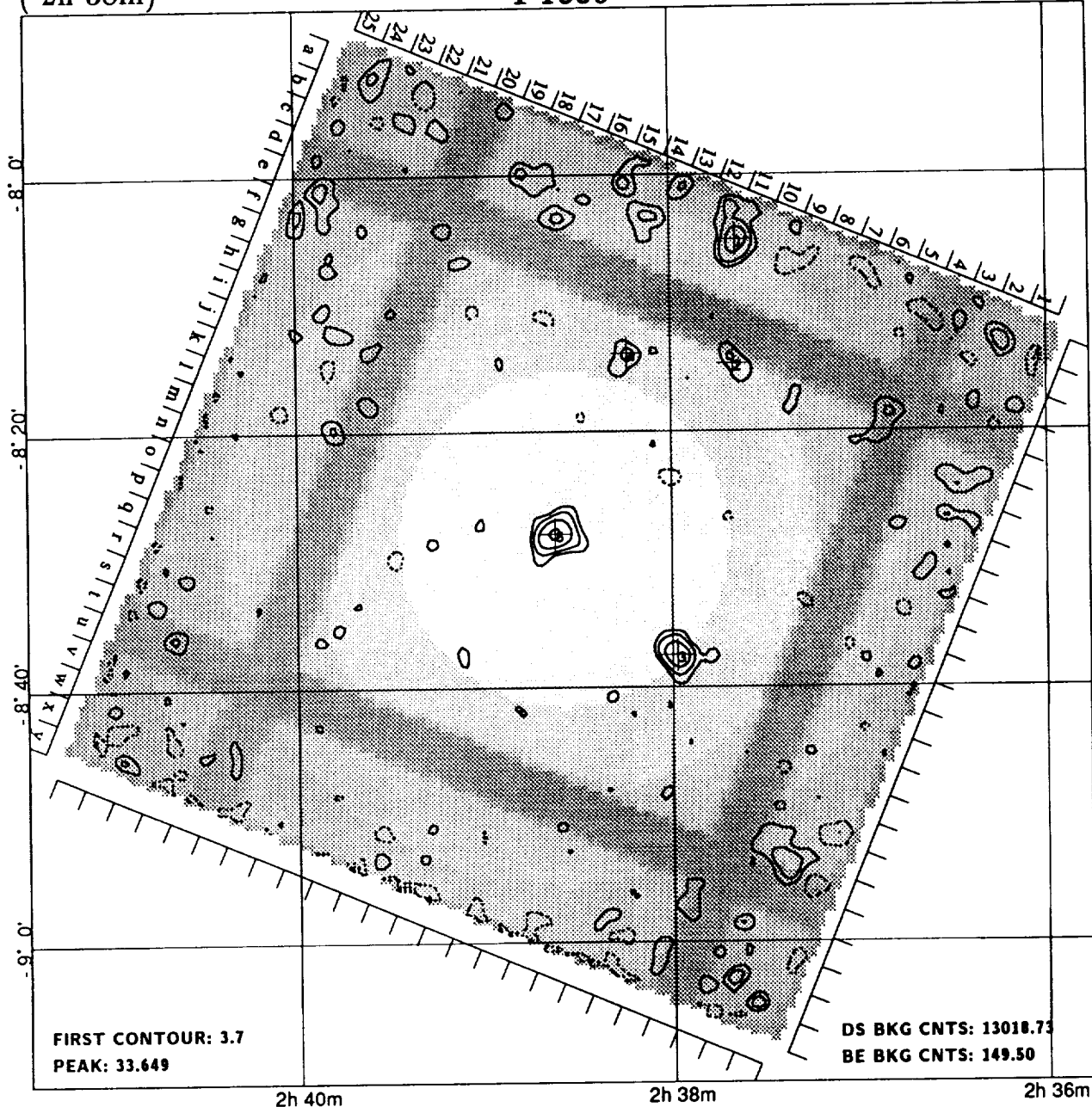
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	FLG
638	1	02 37 52.1	-23 21 43	35	0.0414	0.0061	51.2	4.8	6.8	1.1	0	0.6	AH	Q

(2h 38m)

I 1880

(2h 38m)



X-RAY STUDY OF RADIO GALAXIES: NGC1052

FIELD CENTER: 02^h 38^m 36.0^s -08° 28' 59" (B1950)
 02^h 41^m 03.4^s -08° 16' 11" (J2000)
 l : 182.03 b : -57.94

DATE: 1980/ 17 - 1980/ 17
 LIVETIME: 10928.3s
 ROLL ANGLE: 112.4°

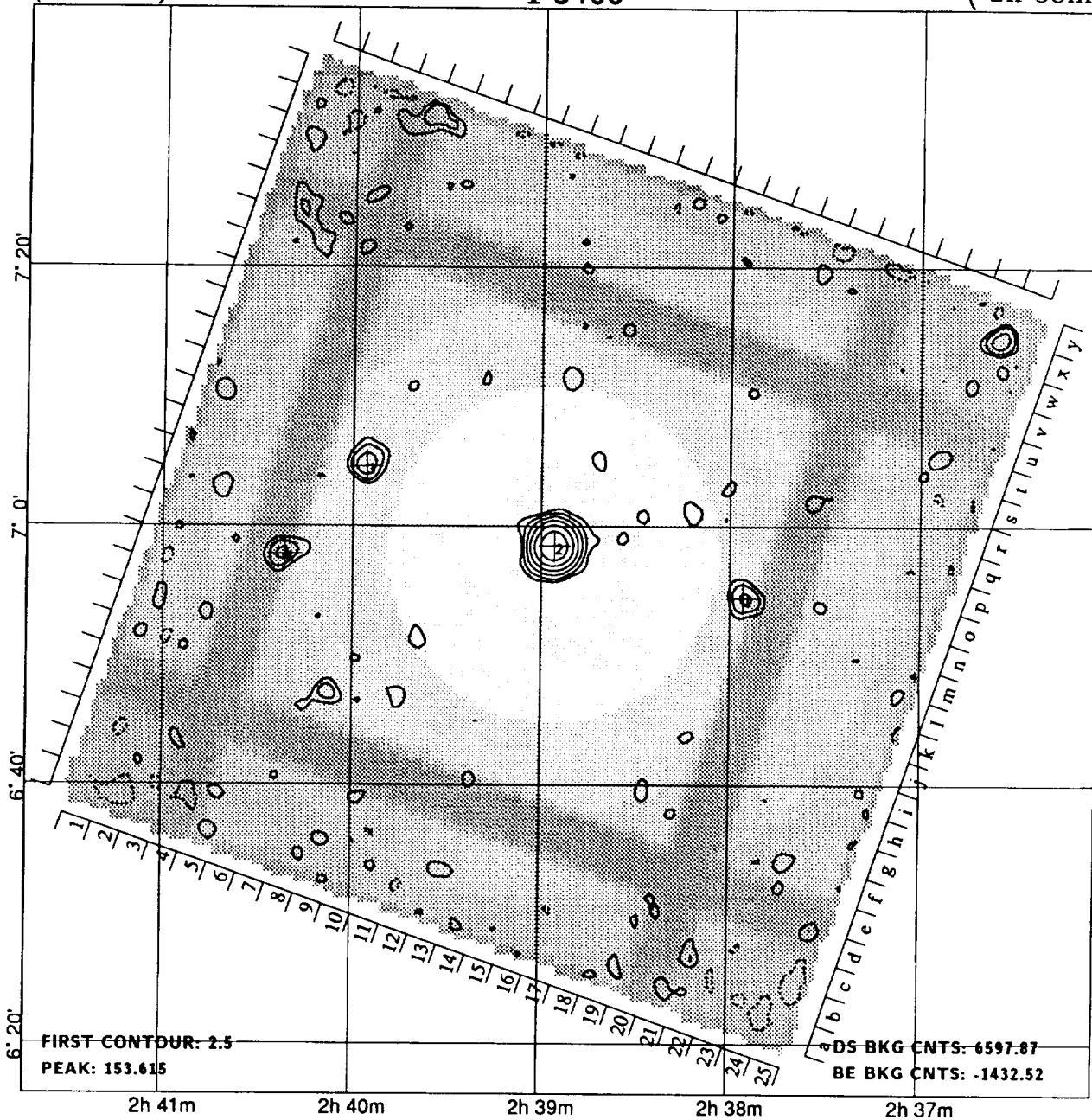
NH: 2.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
635	1	02 37 39.0	-08 05 02	50	0.0108	0.0019	46.9	22.1	5.6	1.4	0	27.3	H
636	2	02 37 40.0	-08 14 45	63	*0.0039	0.0011	22.1	16.9	3.5	0.8	804	20.0	H
640	3	02 37 58.4	-08 37 30	38	0.0130	0.0016	89.6	28.4	8.2	1.0	0	12.5	H
641	4	02 38 14.0	-08 13 56	55	0.0041	0.0011	26.5	26.5	3.6	0.8	0	16.0	H
642	5	02 38 37.4	-08 27 57	31	0.0171	0.0016	139.2	35.8	10.5	1.1	0	1.0	H

(2h 38m)

I 3466

(2h 38m)



MKN 595, SEYFERT AND ACTIVE NUCLEI GALAXIES

FIELD CENTER: 02^h38^m54.0^s 06°57'59" (B1950)
 02^h41^m33.1^s 07°10'47" (J2000)
 $l: 164.76$ $b: -46.56$

DATE: 1979/203 - 1979/213
 LIVETIME: 5346.4s
 ROLL ANGLE: -71.0°

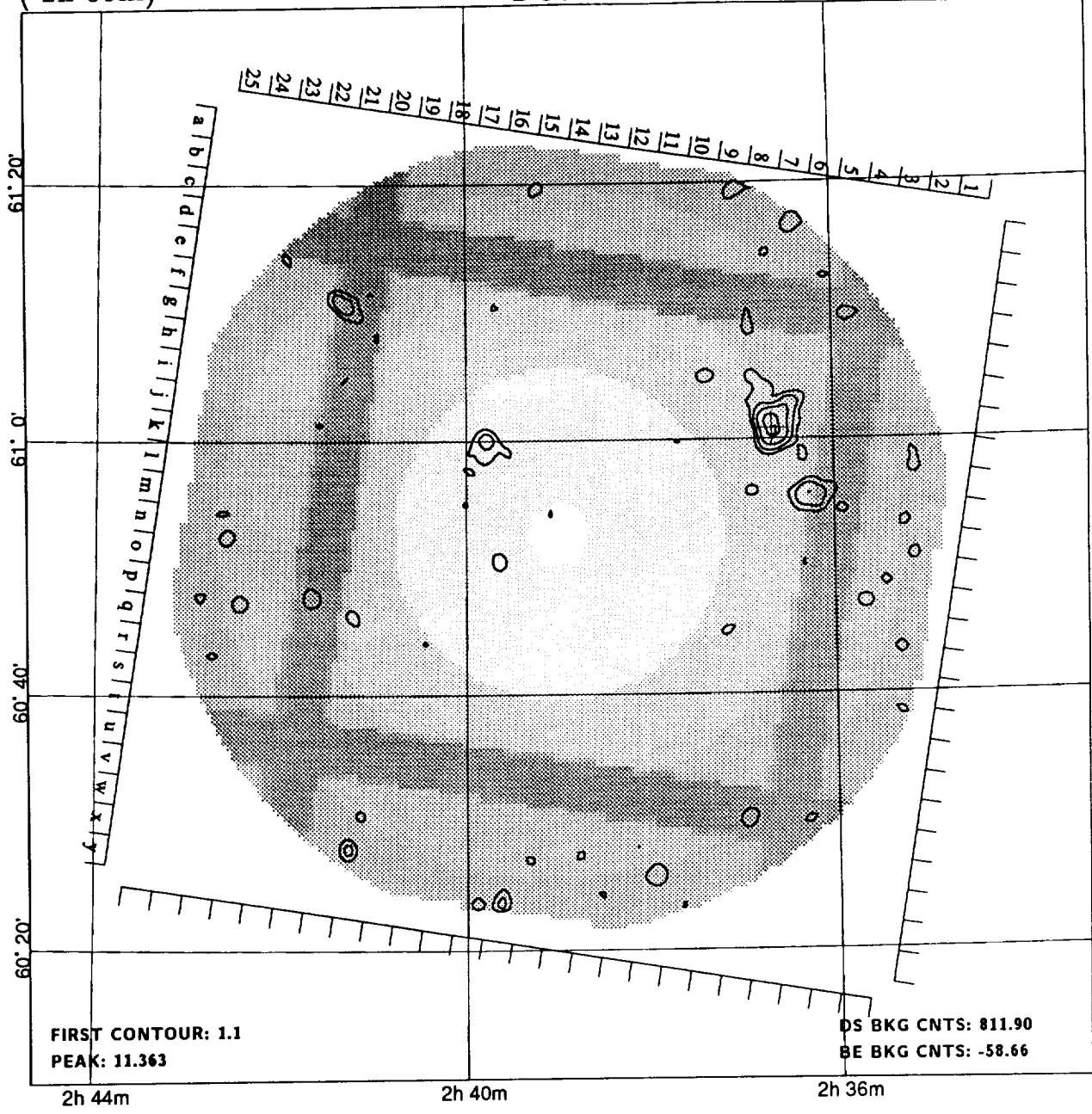
NH: 7.4E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
639	1	02 37 55.7	06 54 27	42	*0.0100 0.0020	31.3	8.7	4.9	0.8	601	14.7	H	
645	2	02 38 55.8	06 58 29	31	0.1626 0.0064	648.0	11.0	25.2	1.2	0	0.9	H	SY
647	3	02 39 55.7	07 04 38	50	0.0145 0.0024	44.3	7.7	6.1	0.9	0	16.8	H	
652	4	02 40 21.5	06 57 52	51	*0.0093 0.0021	24.4	6.6	4.4	0.8	1109	22.0	H	

(2h 39m)

I 3622

(2h 39m)



COS-B GAMMA RAY SOURCE REGION B

FIELD CENTER: 02^h39^m00.0^s 60°51'59" (B1950)
 02^h42^m51.5^s 61°04'44" (J2000)
 ℓ : 135.99 b : 1.07

DATE: 1979/ 34 - 1979/ 34
 LIVETIME: 657.9s
 ROLL ANGLE: 99.0°

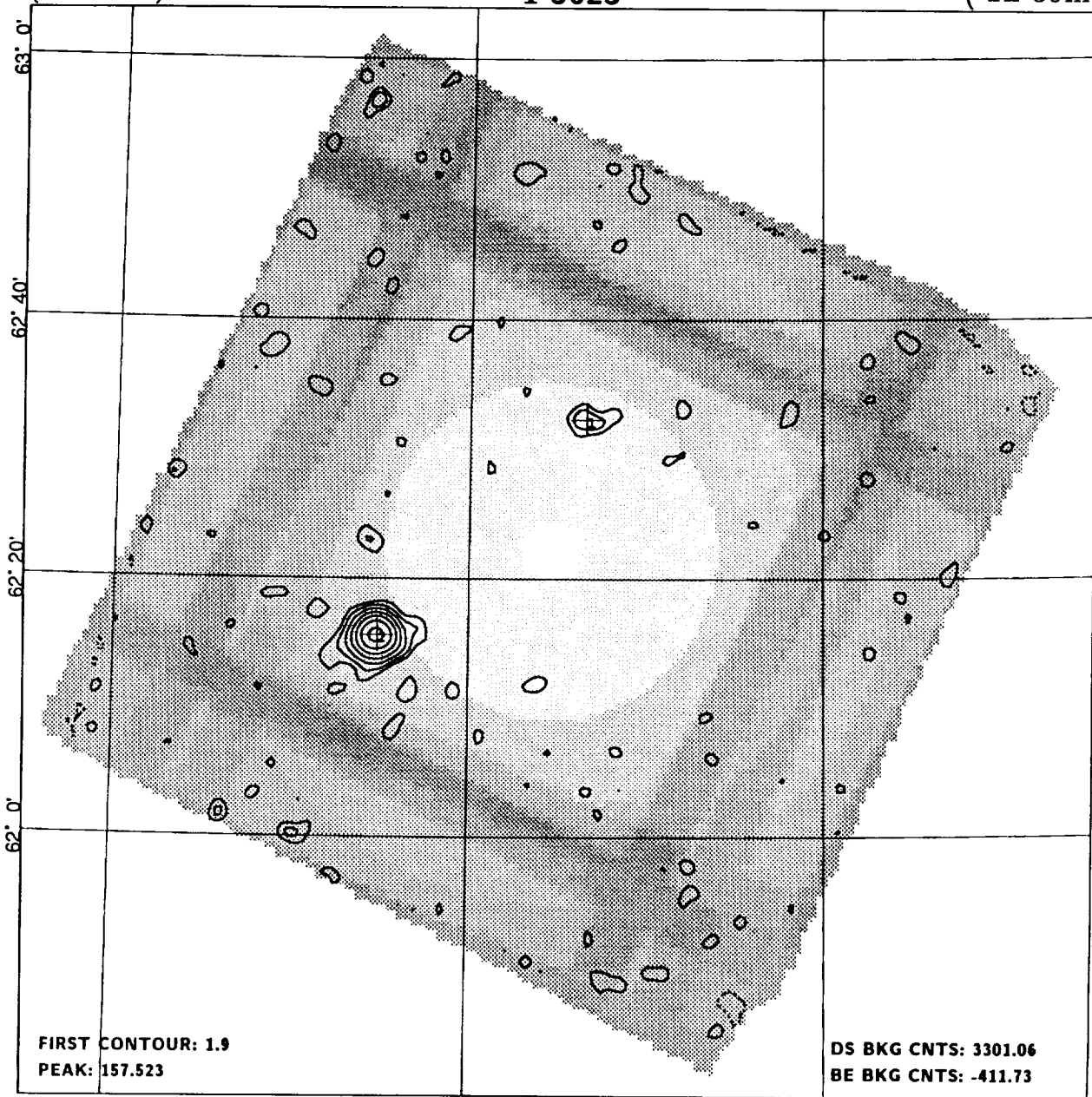
NH: 8.0E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
627	1	02 36 40.3	61 00 50	50	0.114	0.018	39.7	1.3	6.2	1.3	0	19.1	AH	*

(2h 39m)

I 3625

(2h 39m)



COS-B GAMMA RAY SOURCE REGION B

FIELD CENTER: 02^h39^m00.0^s 62°21'59" (B1950)
 02^h42^m56.6^s 62°34'44" (J2000)
 l : 135.38 b : 2.43

DATE: 1979/ 34 - 1979/238
 LIVETIME: 2674.9s

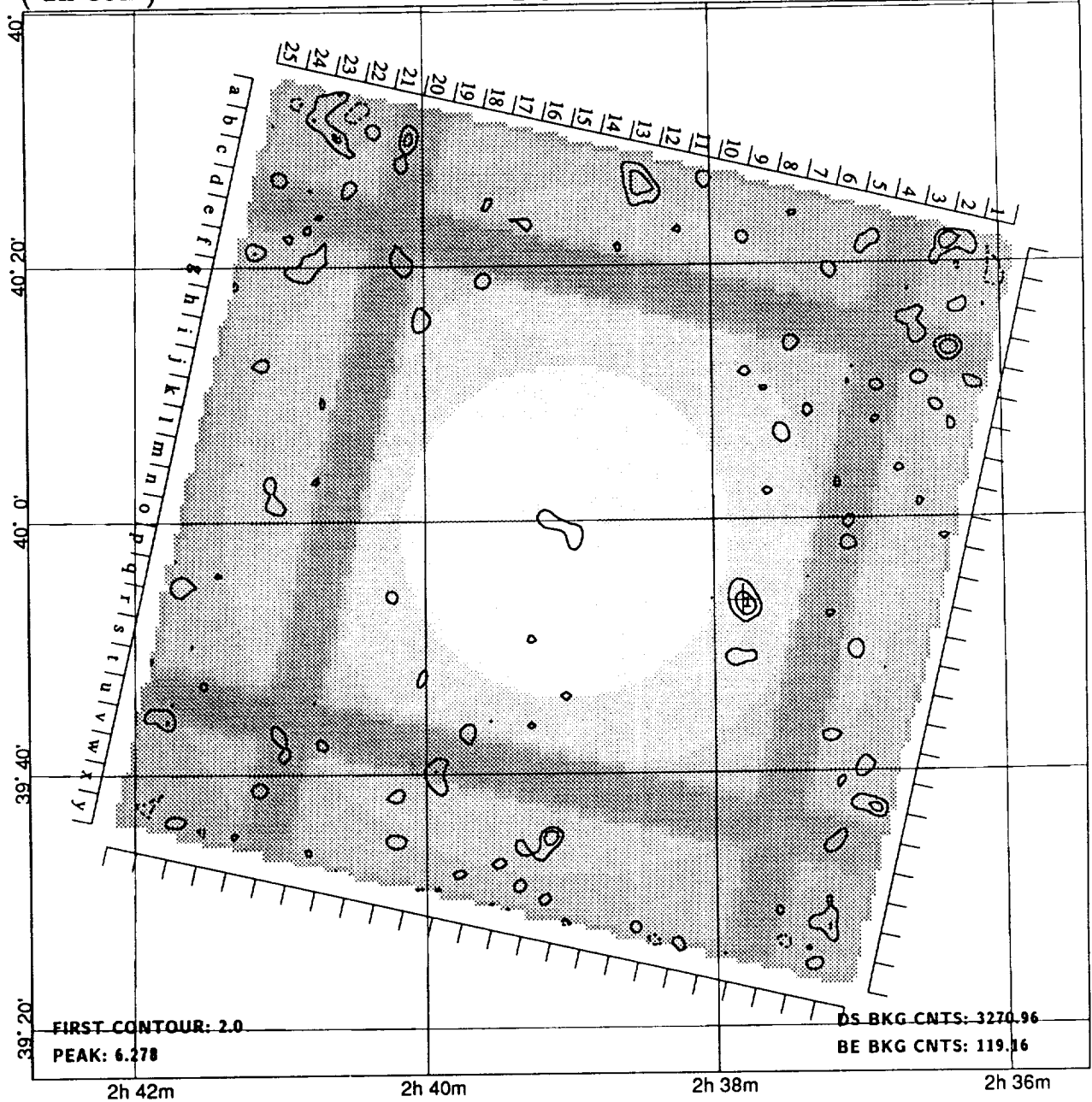
NH: 7.3E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
643	1	02 38 40.5	62 32 17	42	0.0115	0.0029	20.3	6.7	3.9	0.9	0	10.5	H	
653	2	02 41 01.8	62 15 39	47	0.292	0.014	461.8	5.2	21.4	1.2	0	15.6	H	Q

(2h 39m)

I 5181

(2h 39m)



STAR 12 PER,CORRELATION OF CORONAL ACTIVITY WITH BINARY PERIOD

FIELD CENTER: 02^h39^m05.0^s 39°58'29" (B1950)
 02^h42^m15.0^s 40°11'15" (J2000)
l: 144.85 *b*: -17.92

DATE: 1980/ 24 - 1980/ 24
 LIVETIME: 2650.5s
 ROLL ANGLE: 102.8°

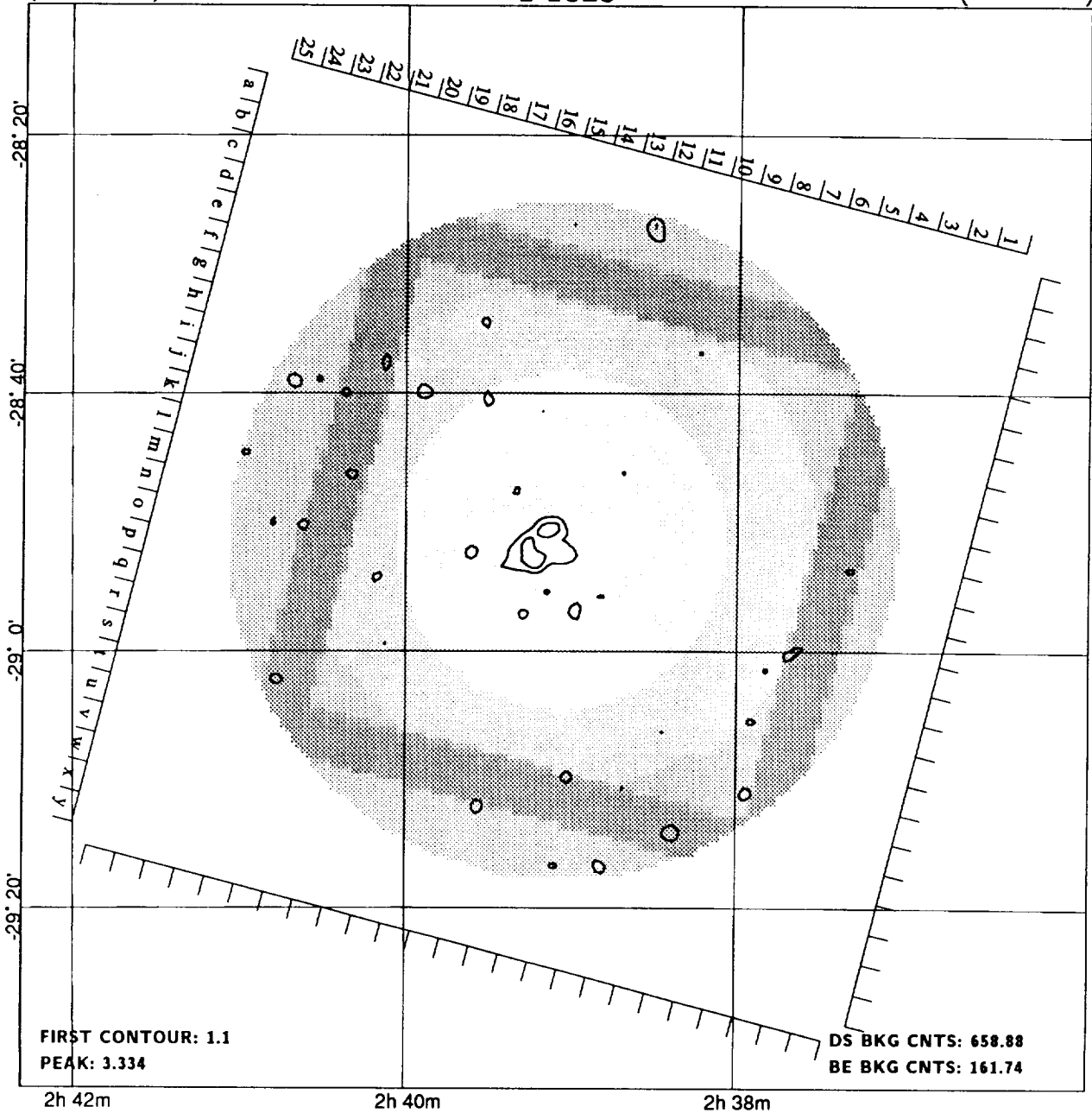
NH: 6.2E+20
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
637	1	02 37 48.1	39 53 41	54	0.0126	0.0033	19.7	6.3	3.9	0.8	0	15.5	H	Q

(2h 39m)

I 1823

(2h 39m)



02392-2852: X-RAY STUDY OF CLUSTERS OF GALAXIES

FIELD CENTER: $02^h 39^m 06.0^s$ $-28^\circ 51' 59''$ (B1950)
 $02^h 41^m 16.1^s$ $-28^\circ 39' 12''$ (J2000)
 $l: 222.98$ $b: -65.74$

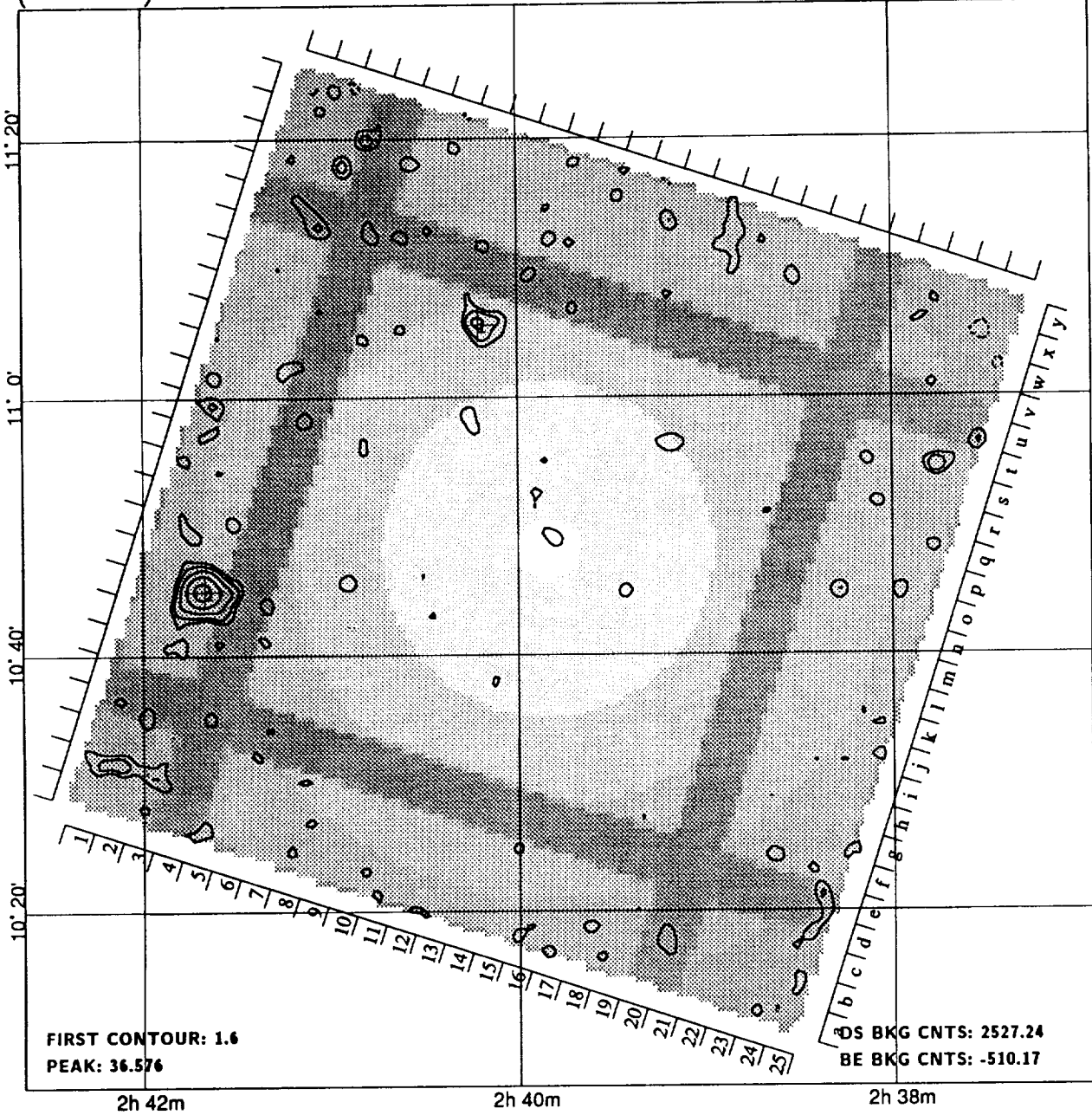
DATE: 1979/ 30 - 1979/ 30
 LIVETIME: 533.9s
 ROLL ANGLE: 104.4°

NH: $1.7E+20$
 REF/ID:
 FIELD FLAGS:

(2h 39m)

I 7510

(2h 39m)



PKS 0239+108, IDENTIFICATION OF NEW BL LAC OBJECTS

FIELD CENTER: $02^h 39^m 47.2^s$ $10^\circ 48' 23''$ (B1950)
 $02^h 42^m 29.3^s$ $11^\circ 01' 08''$ (J2000)
 $l: 161.86$ $b: -43.30$

DATE: 1980/214 - 1980/214
 LIVETIME: 2047.9s
 ROLL ANGLE: -72.2°

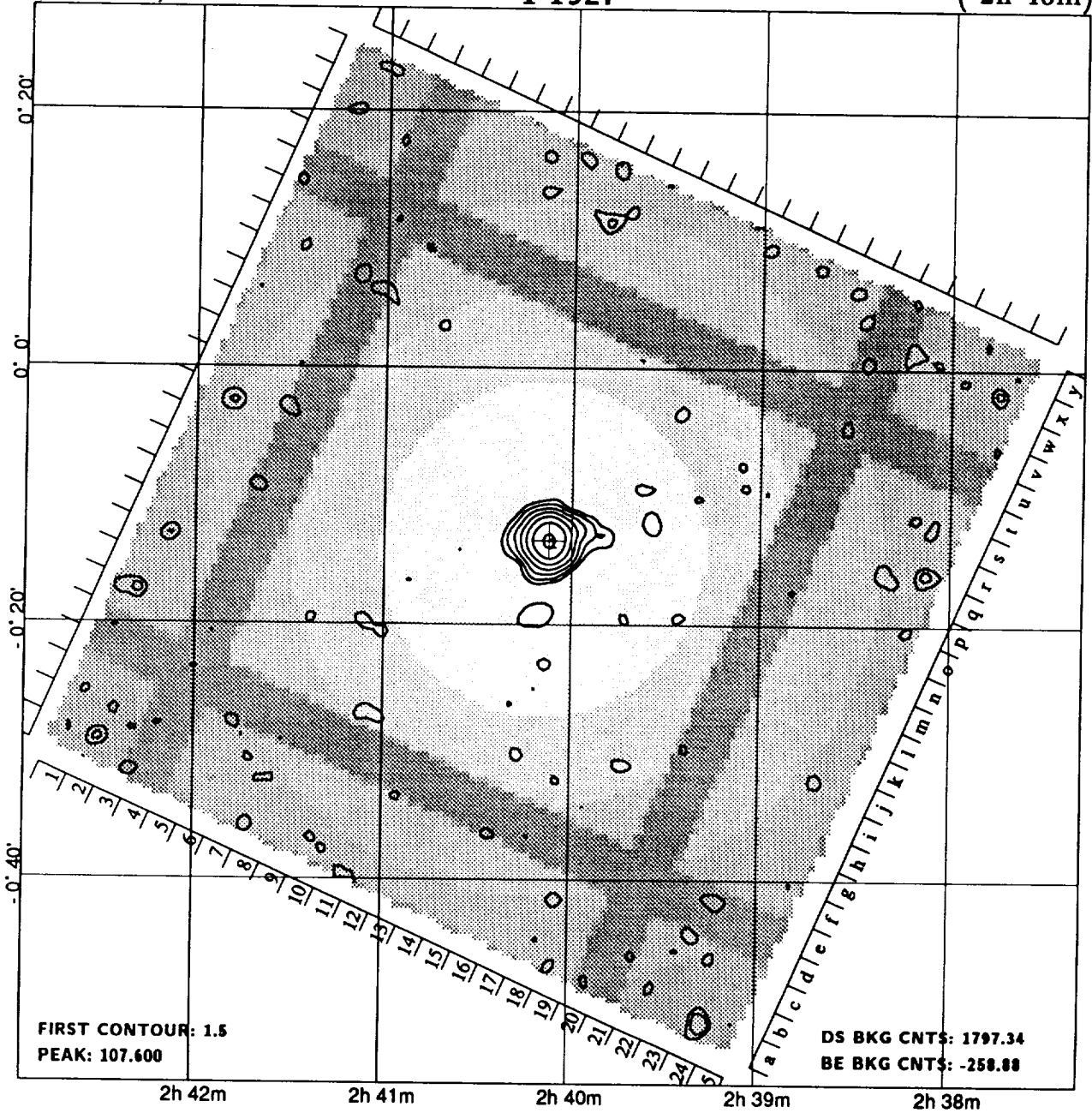
NH: $9.5E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
650	1	02 40 12.5	11 05 31	52	0.0163	0.0043	18.0	4.0	3.8	0.9	0	18.2	H
654	2	02 41 40.4	10 44 58	48	0.085	0.011	68.9	3.1	8.1	1.3	400	28.1	H

(2h 40m)

I 1927

(2h 40m)



NGC 1068: SEYFERT AND N-TYPE GALAXIES

FIELD CENTER: $02^h 40^m 06.0^s -00^\circ 13' 59''$ (B1950)
 $02^h 42^m 39.6^s -00^\circ 01' 15''$ (J2000)
 $l: 172.11 \quad b: -51.94$

DATE: 1979/203 - 1979/203
 LIVETIME: 1456.4s
 ROLL ANGLE: -66.1°

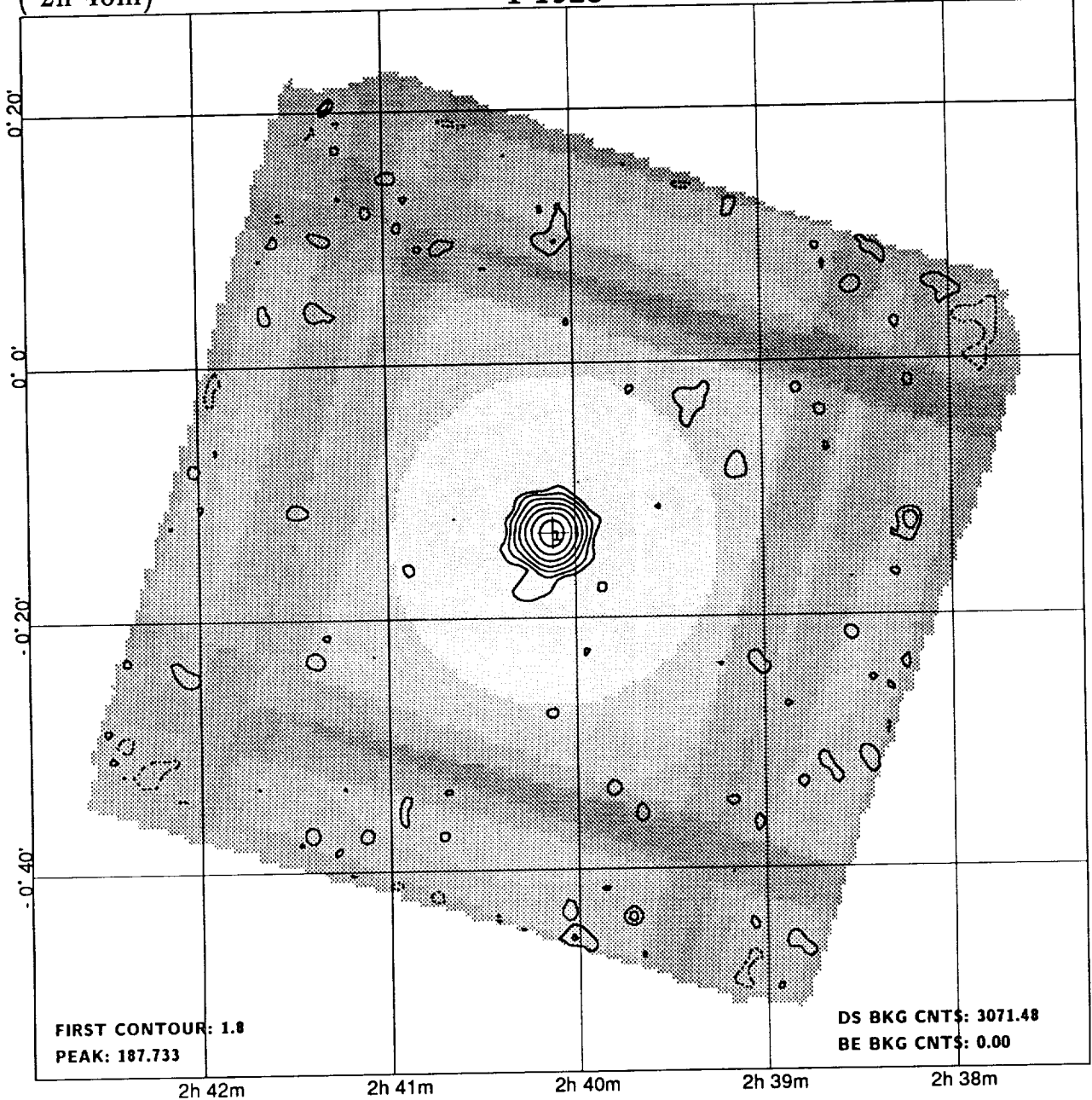
NH: $3.1E+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
649	1	02 40 07.4	-00 13 29	31	0.463	0.021	501.7	3.3	22.3	1.4	0	0.8	AH

(2h 40m)

I 1928

(2h 40m)



NGC 1068: SEYFERT AND N-TYPE GALAXIES

FIELD CENTER: $02^{\text{h}}40^{\text{m}}06.0^{\text{s}}$ $-00^{\circ}13'59''$ (B1950)
 $02^{\text{h}}42^{\text{m}}39.6^{\text{s}}$ $-00^{\circ}01'15''$ (J2000)
 $l: 172.11$ $b: -51.94$

DATE: 1980/ 19 - 1980/214
 LIVETIME: 2488.9s

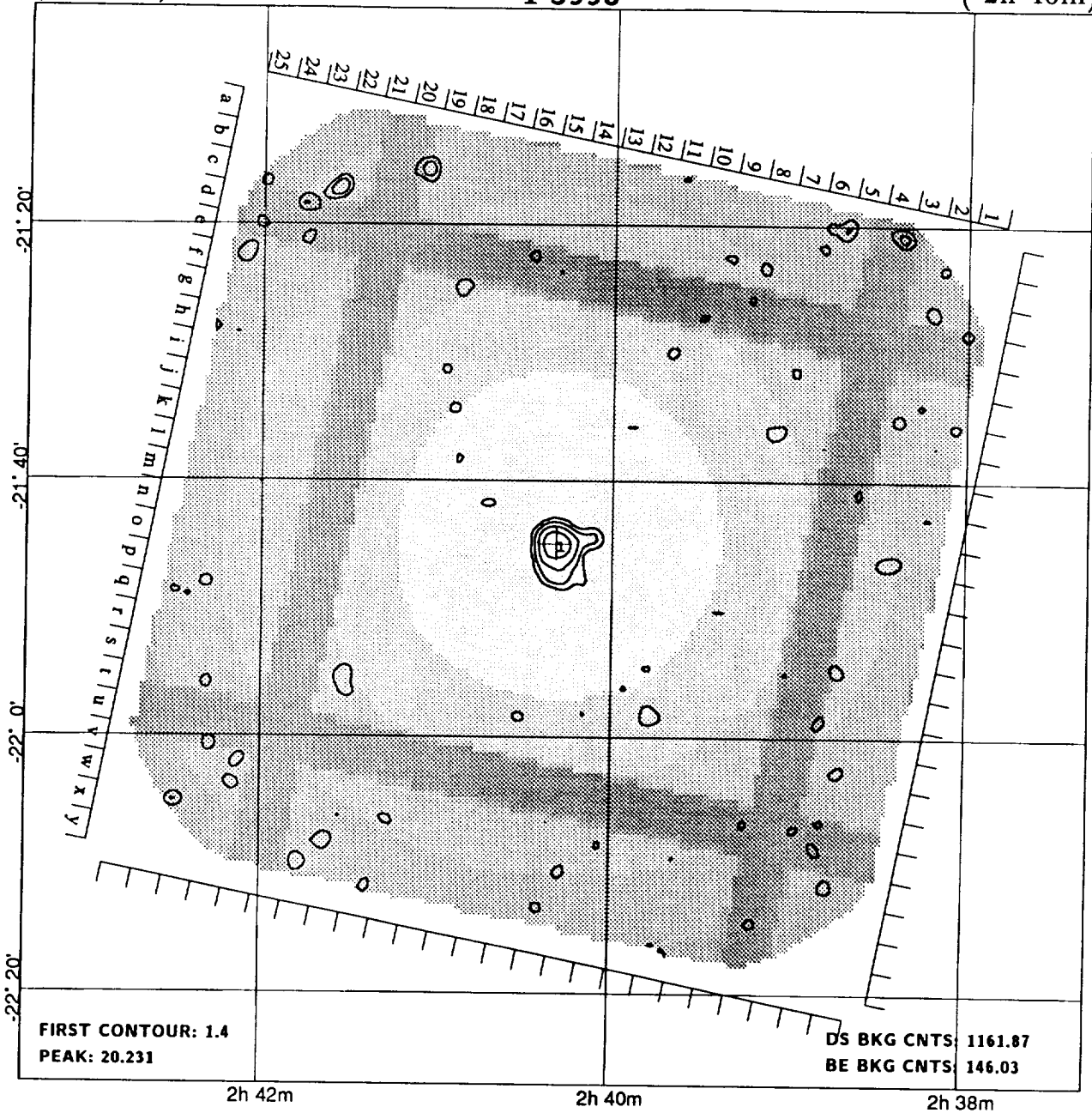
NH: $3.1\text{E}+20$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
649	1L	02 40 07.2	-00 13 21	31	0.388	0.018	721.7	154.3	21.1	1.4	0	0.7	A

(2h 40m)

I 3998

(2h 40m)



0240-217, OPTICALLY-QUIET COMPACT RADIO SOURCE

FIELD CENTER: $02^h 40^m 19.3^s$ $-21^\circ 45' 10''$ (B1950)
 $02^h 42^m 35.9^s$ $-21^\circ 32' 27''$ (J2000)
 $l: 206.56$ $b: -64.13$

DATE: 1980/ 38 - 1980/ 38
 LIVETIME: 941.5s
 ROLL ANGLE: 101.2°

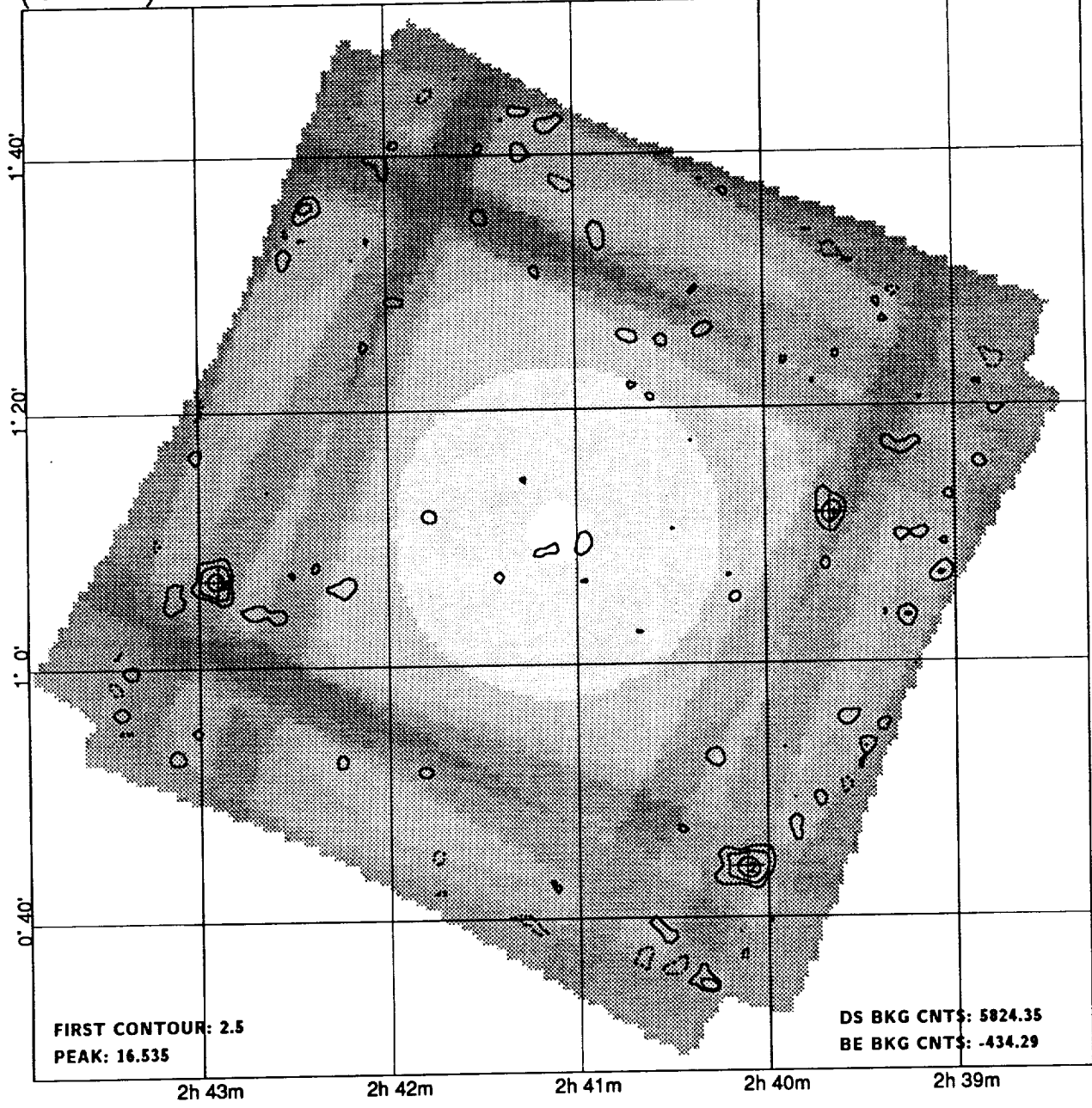
NH: $2.5E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
651	1	02 40 19.1	-21 44 54	31	0.131	0.014	91.7	3.3	9.4	1.4	0	0.4	H

(2h 41m)

I 2092

(2h 41m)



X-RAY SURVEY OF NORMAL GALAXIES: NGC1073

FIELD CENTER: 02^h 41^m 06.0^s 01° 09' 59" (B1950)
 02^h 43^m 40.7^s 01° 22' 41" (J2000)
l: 170.92 *b*: -50.73

DATE: 1979/203 - 1980/ 19
 LIVETIME: 4719.6s

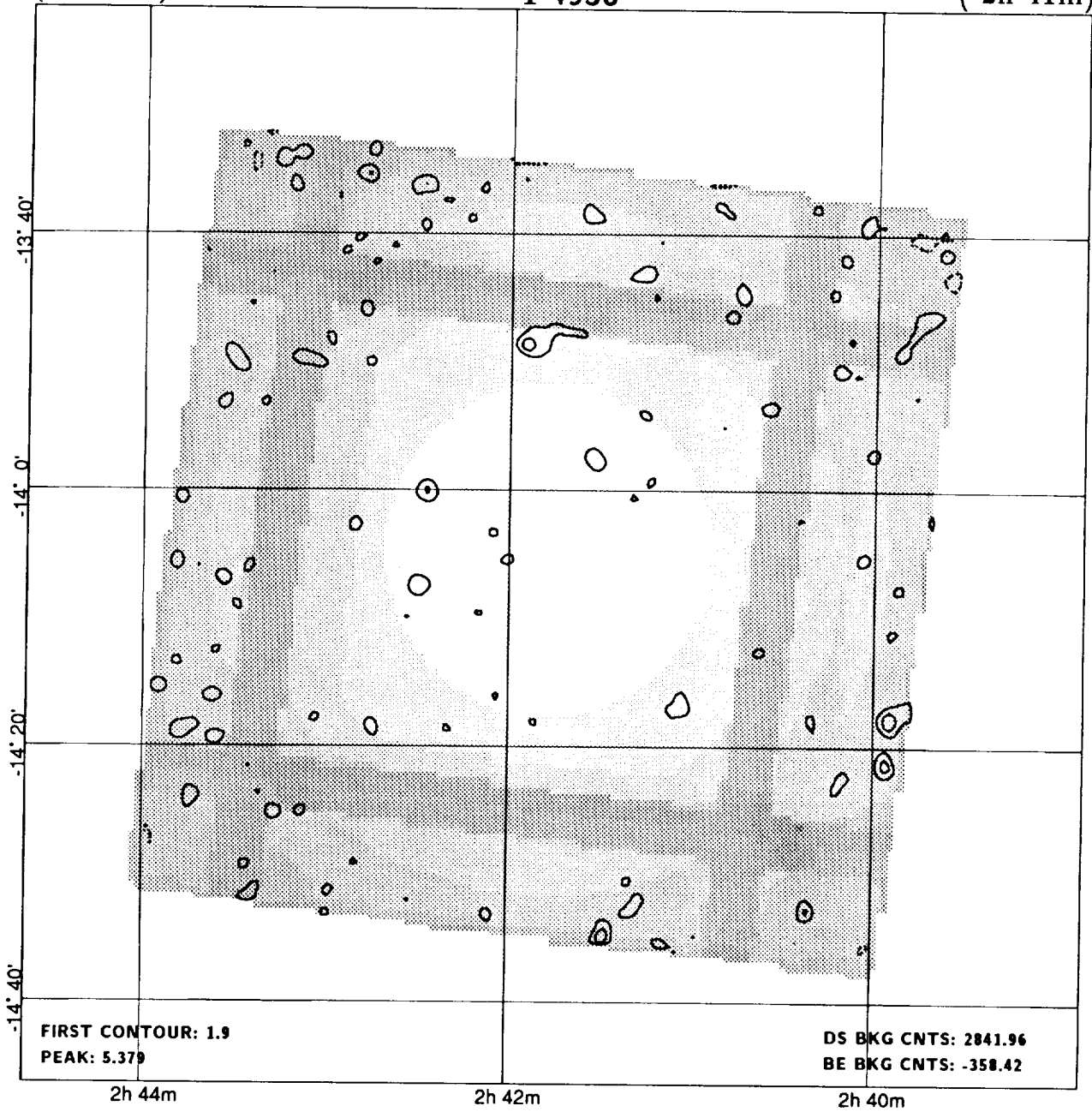
NH: 3.8E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
646	1	02 39 39.6	01 11 46	55	*0.0077 0.0022	17.7	7.3	3.5	0.8	1509	21.5		
648	2	02 40 06.7	00 44 02	51	*0.0163 0.0036	26.8	7.2	4.6	1.1	1609	29.6		AGN
659	3	02 42 54.1	01 06 55	52	*0.0144 0.0031	27.0	7.0	4.6	1.0	1509	27.2		

(2h 41m)

I 4958

(2h 41m)



STAR PI CET (HD 17081)

FIELD CENTER: $02^h 41^m 45.1^s$ $-14^\circ 04' 29''$ (B1950)
 $02^h 44^m 08.0^s$ $-13^\circ 51' 50''$ (J2000)
 $l: 191.82$ $b: -60.57$

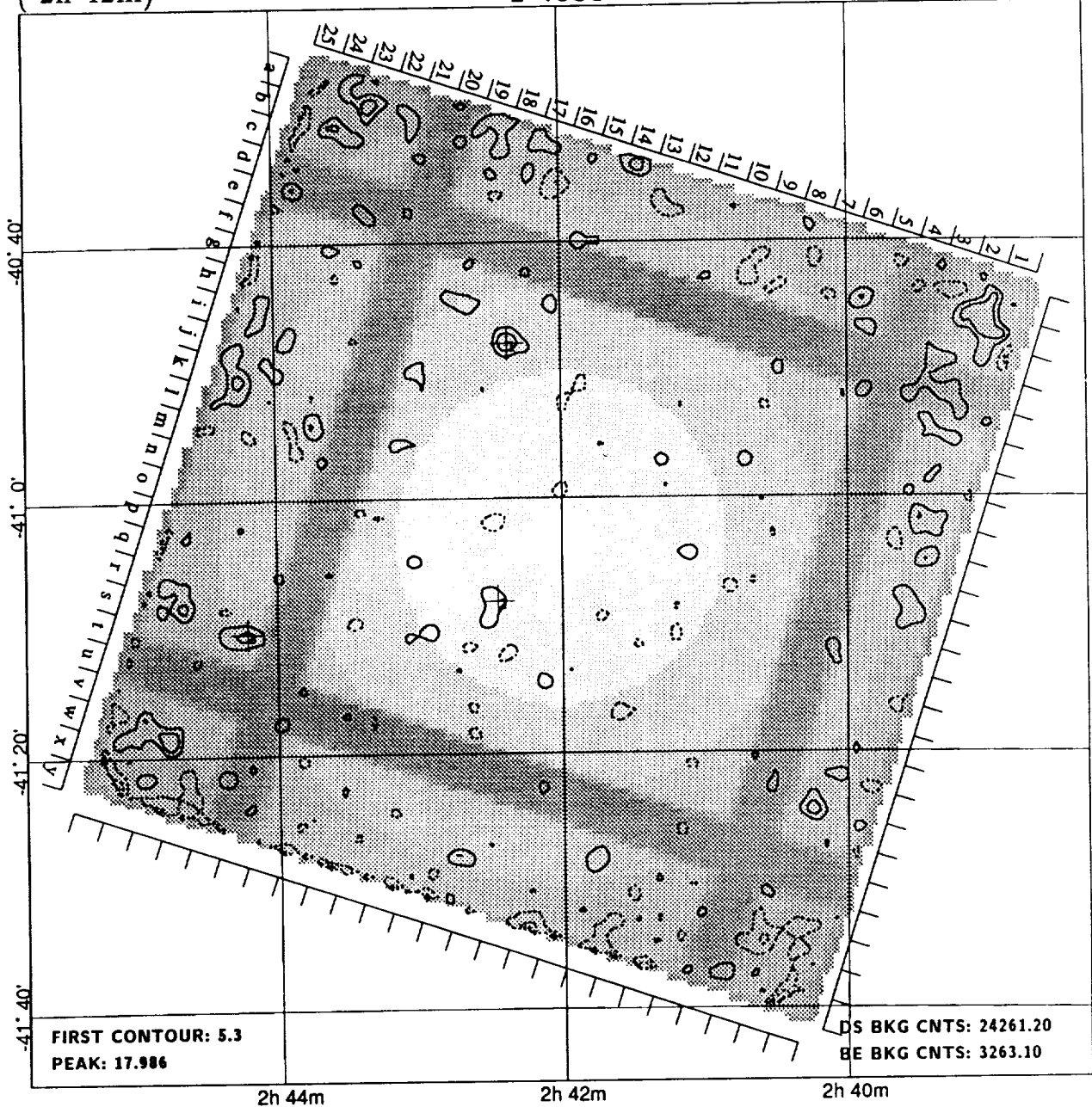
DATE: 1980/ 38 - 1980/223
 LIVETIME: 2302.9s

NH: $2.4E+20$
 REF/ID: S
 FIELD FLAGS:

(2h 42m)

I 4033

(2h 42m)



QUASAR Q 0242-410

FIELD CENTER: 02^h42^m02.0^s -41°03'39" (B1950)
 02^h43^m57.9^s -40°51'00" (J2000)
 l : 250.86 b : -63.12

DATE: 1980/ 23 - 1980/ 24
 LIVETIME: 19659.5s
 ROLL ANGLE: 108.0°

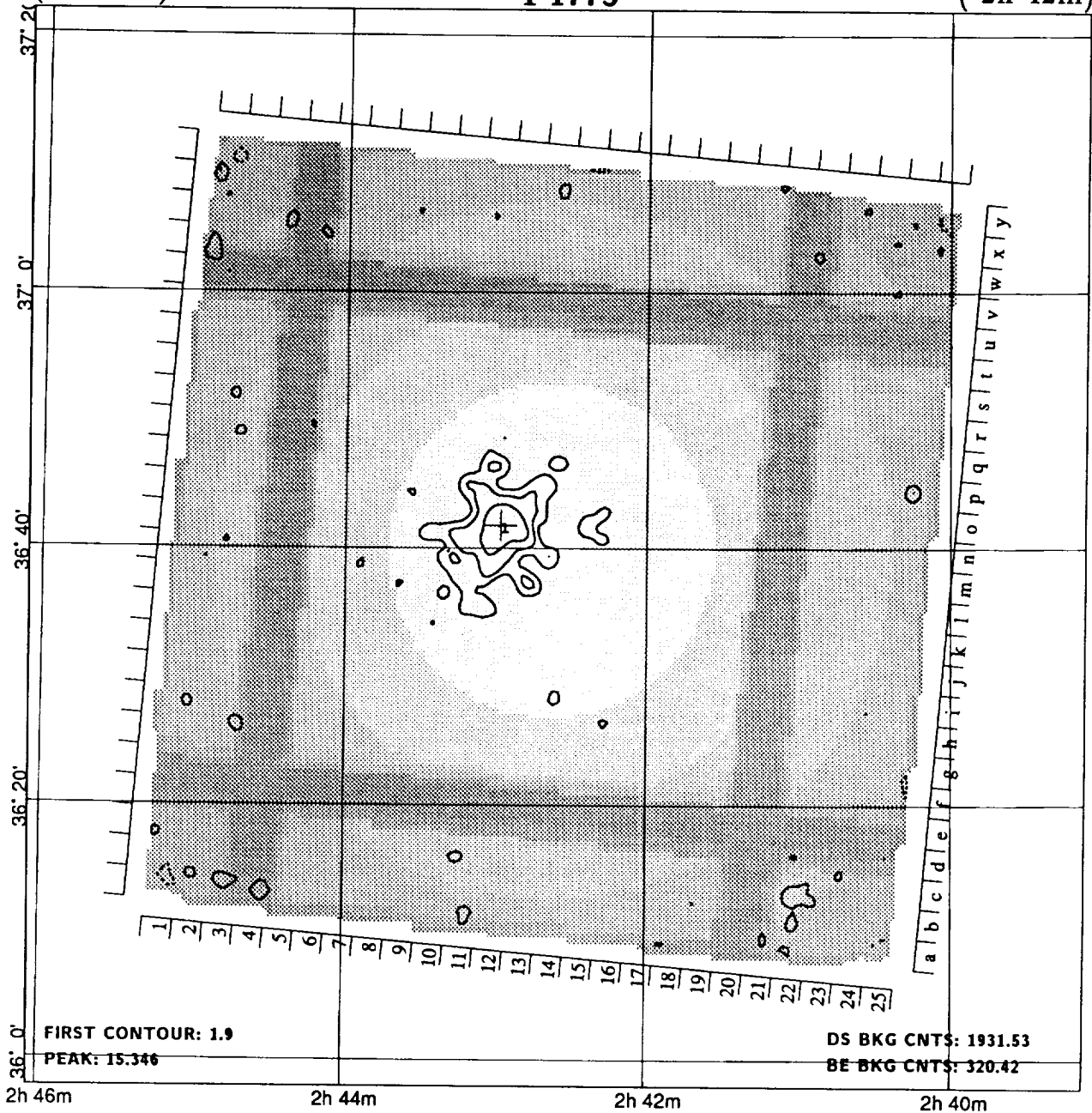
NH: 1.7E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID
655	1	02 42 22.5	-40 47 54	51	0.00388	0.00087	44.2	53.8	4.5	0.7	0	16.3	H	
657	2	02 42 27.2	-41 08 01	47	0.00269	0.00071	36.7	58.3	3.8	0.9	0	7.9	H	
662	3	02 44 12.6	-41 10 22	74	0.0037	0.0010	29.9	41.1	3.5	0.9	500	25.6		

(2h 42m)

I 1773

(2h 42m)



A376: STUDY, CLUSTERS OF GALAXIESL

FIELD CENTER: 02^h42^m36.0^s 36°39'59" (B1950)
 02^h45^m42.5^s 36°52'35" (J2000)
 l : 147.05 b : -20.59

DATE: 1979/213 - 1979/213
 LIVETIME: 1565.2s
 ROLL ANGLE: -85.0°

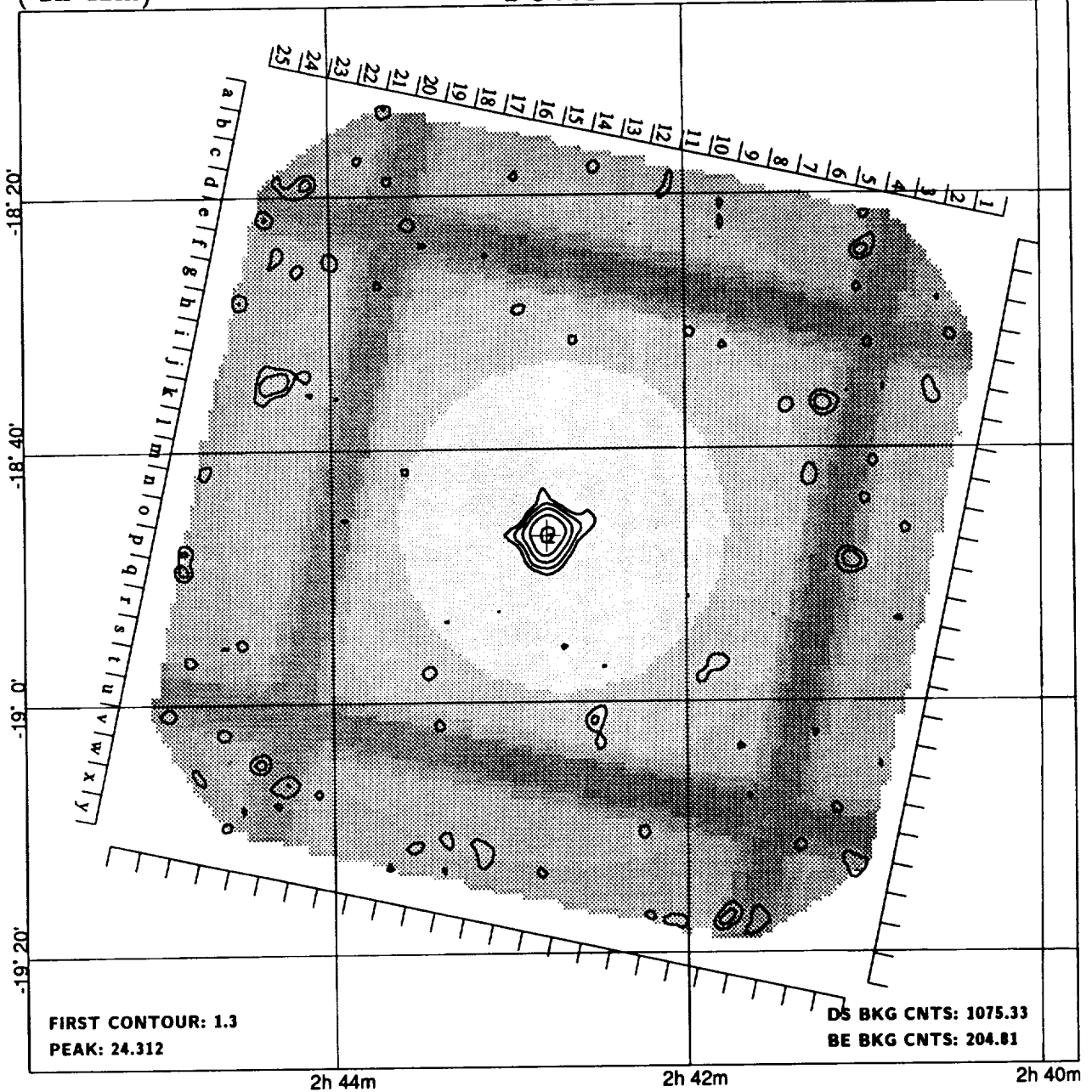
NH: 6.3E+20
 REF/ID:
 FIELD FLAGS: D

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
660	1	02 42 58.3	36 41 51	41	0.0651	0.0079	73.2	5.8	8.2	3.6	0	5.1	H	CLG

(2h 42m)

I 5448

(2h 42m)



Tau 1 ERI

FIELD CENTER: 02^h42^m46.1^s -18°46'58" (B1950)
 02^h45^m05.0^s -18°34'22" (J2000)
 l : 200.83 b : -62.53

DATE: 1980/ 38 - 1980/ 38
 LIVETIME: 871.4s
 ROLL ANGLE: 102.1°

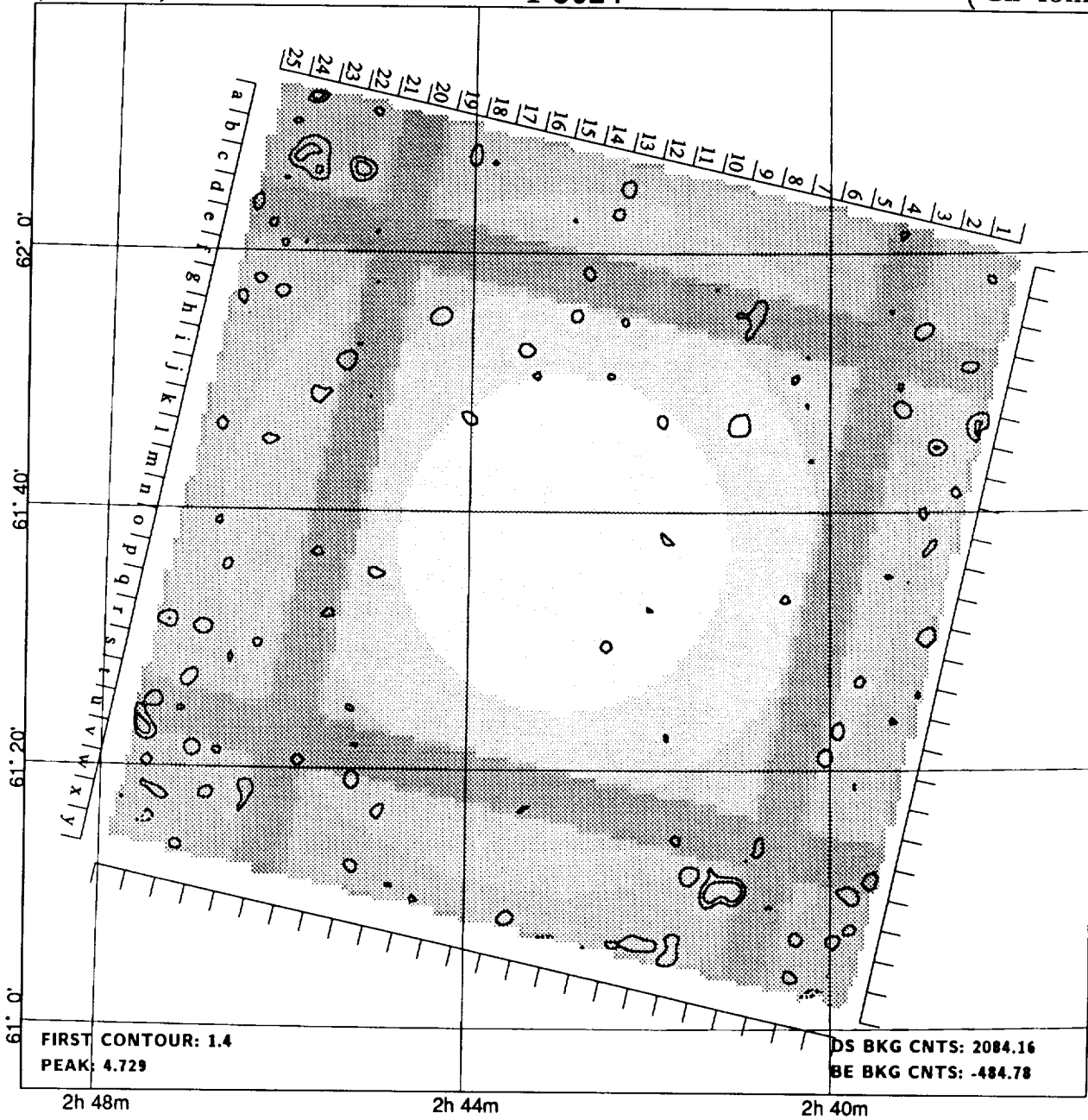
NH: 2.8E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
658	1	02 42 47.3	-18 46 53	31	0.180	0.017	116.6	3.4	10.6	1.4	0	0.2	H S	

(2h 43m)

I 3624

(2h 43m)



COS-B GAMMA RAY SOURCE REGION B

FIELD CENTER: $02^h 43^m 00.0^s$ $61^\circ 36' 59''$ (B1950)
 $02^h 46^m 55.6^s$ $61^\circ 49' 33''$ (J2000)
 $l: 136.12$ $b: 1.95$

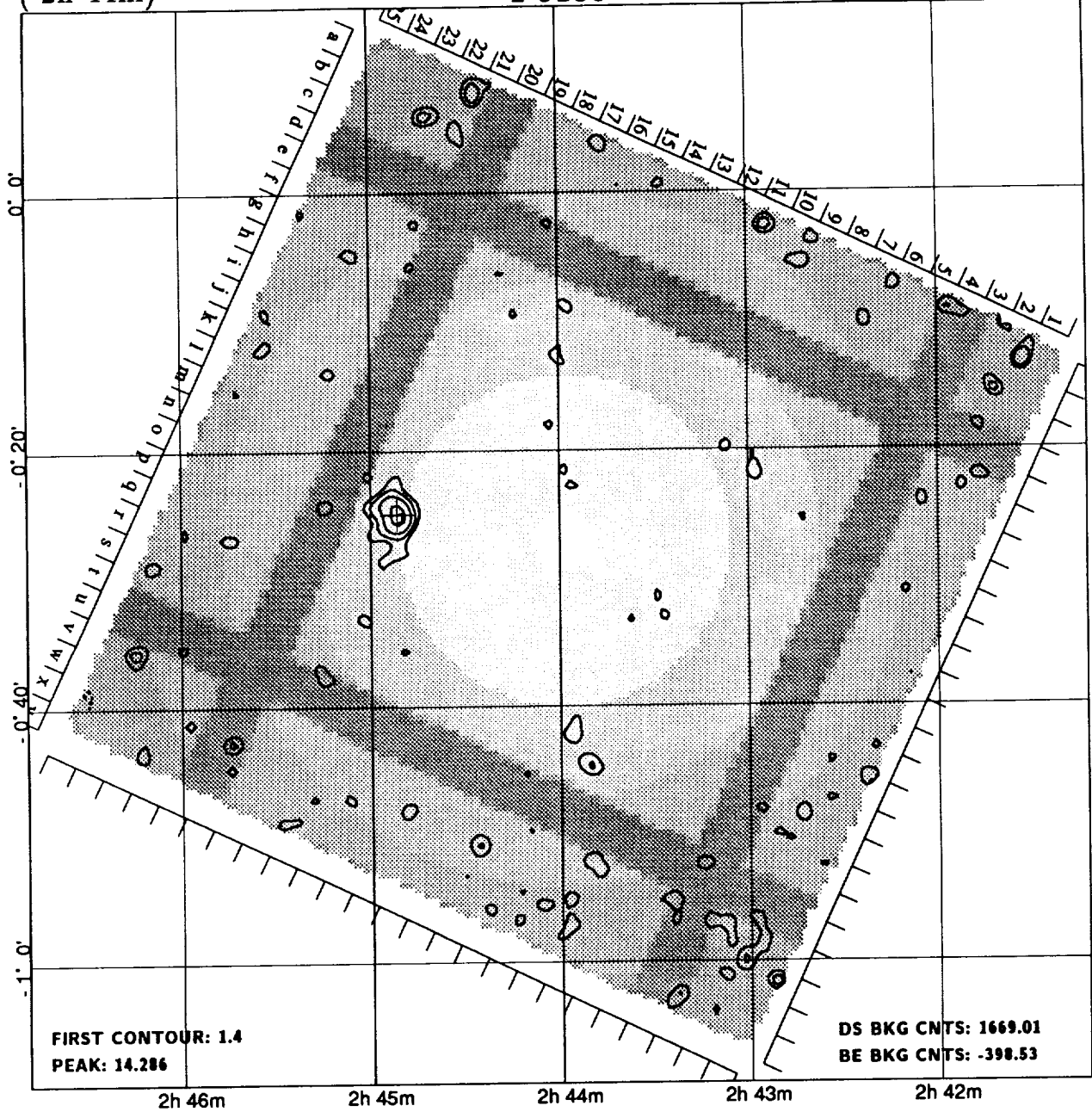
DATE: 1979/ 33 - 1979/ 33
 LIVETIME: 1688.9s
 ROLL ANGLE: 102.5°

NH: $7.8E+21$
 REF/ID:
 FIELD FLAGS:

(2h 44m)

I 9138

(2h 44m)



CAREFULLY SELECTED Sbc GALAXIES: NGC 1090

FIELD CENTER: $02^h 44^m 00.6^s$ $-00^{\circ} 27' 23''$ (B1950)
 $02^h 46^m 34.1^s$ $-00^{\circ} 14' 51''$ (J2000)
 $l: 173.51$ $b: -51.44$

DATE: 1981/ 4 - 1981/ 4
 LIVETIME: 1352.4s
 ROLL ANGLE: 115.1°

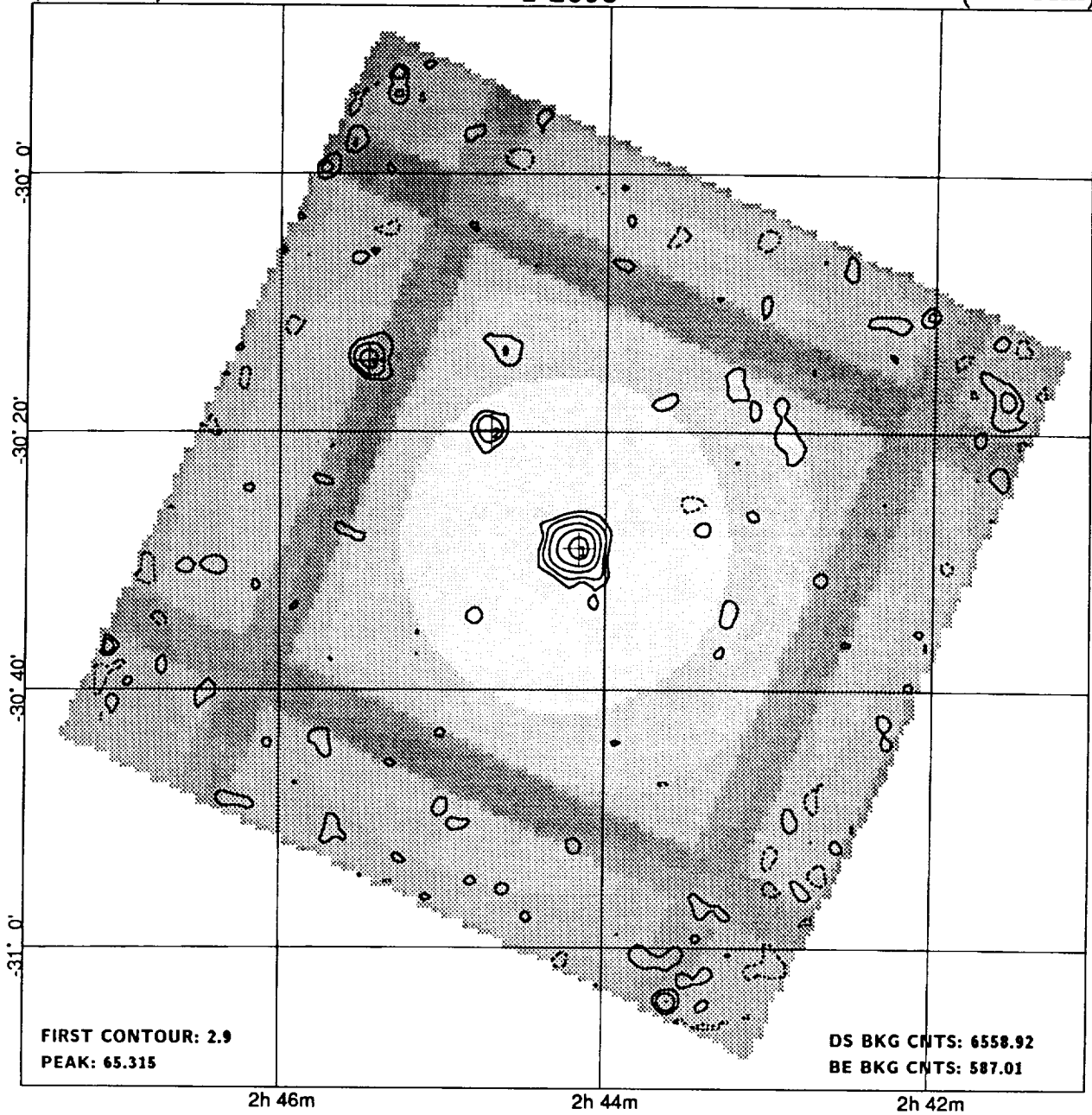
NH: $3.9E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
666	1	02 44 51.6	-00 24 54	41	0.0585	0.0086	48.6	2.4	6.8	1.2	0	12.9	H

(2h 44m)

I 2093

(2h 44m)



X-RAY SURVEY OF NORMAL GALAXIES: NGC1097

FIELD CENTER: $02^{\text{h}}44^{\text{m}}18.0^{\text{s}}$ $-30^{\circ}28'59''$ (B1950)
 $02^{\text{h}}46^{\text{m}}25.9^{\text{s}}$ $-30^{\circ}16'27''$ (J2000)
 $l: 226.91$ $b: -64.66$

DATE: 1979/ 30 - 1981/ 16
 LIVETIME: 5314.9s

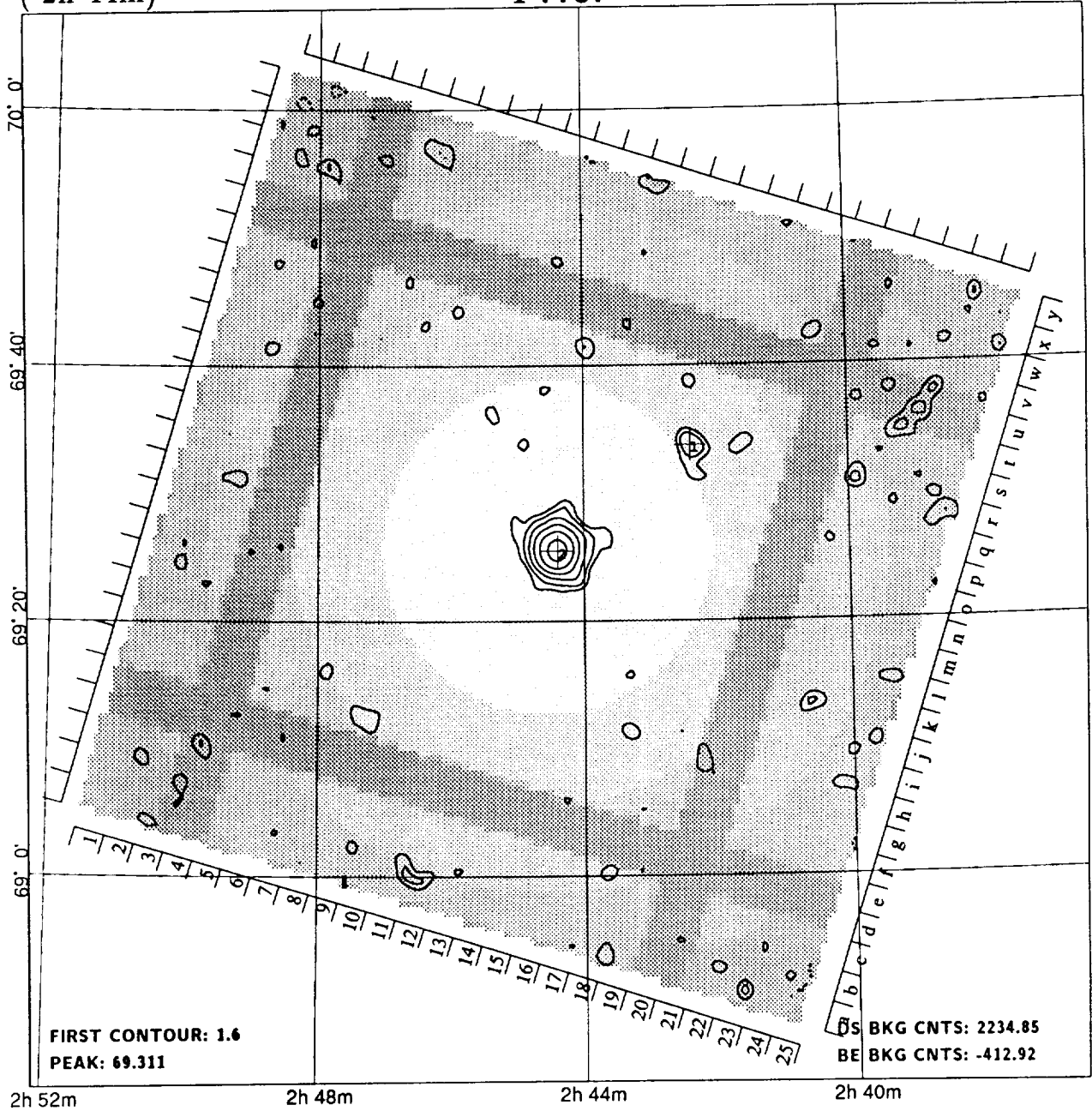
NH: $1.9\text{E}+20$
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
661	1	02 44 09.9	-30 29 03	31	0.0710	0.0044	280.3	16.7	16.3	1.4	0	1.7	H G
665	2	02 44 42.3	-30 19 52	42	0.0116	0.0021	40.6	15.4	5.4	0.8	0	10.3	H Q
668	3	02 45 27.5	-30 14 25	51	*0.0148	0.0027	38.5	10.5	5.5	1.0	905	21.1	H Q

(2h 44m)

I 7737

(2h 44m)



HD 17138, INTERACTING CLOSE BINARY SYSTEMS

FIELD CENTER: 02^h44^m24.0^s 69°25'59" (B1950)
 02^h48^m56.8^s 69°38'28" (J2000)
 l : 132.88 b : 9.07

DATE: 1980/227 - 1980/227
 LIVETIME: 1811.0s
 ROLL ANGLE: -72.9°

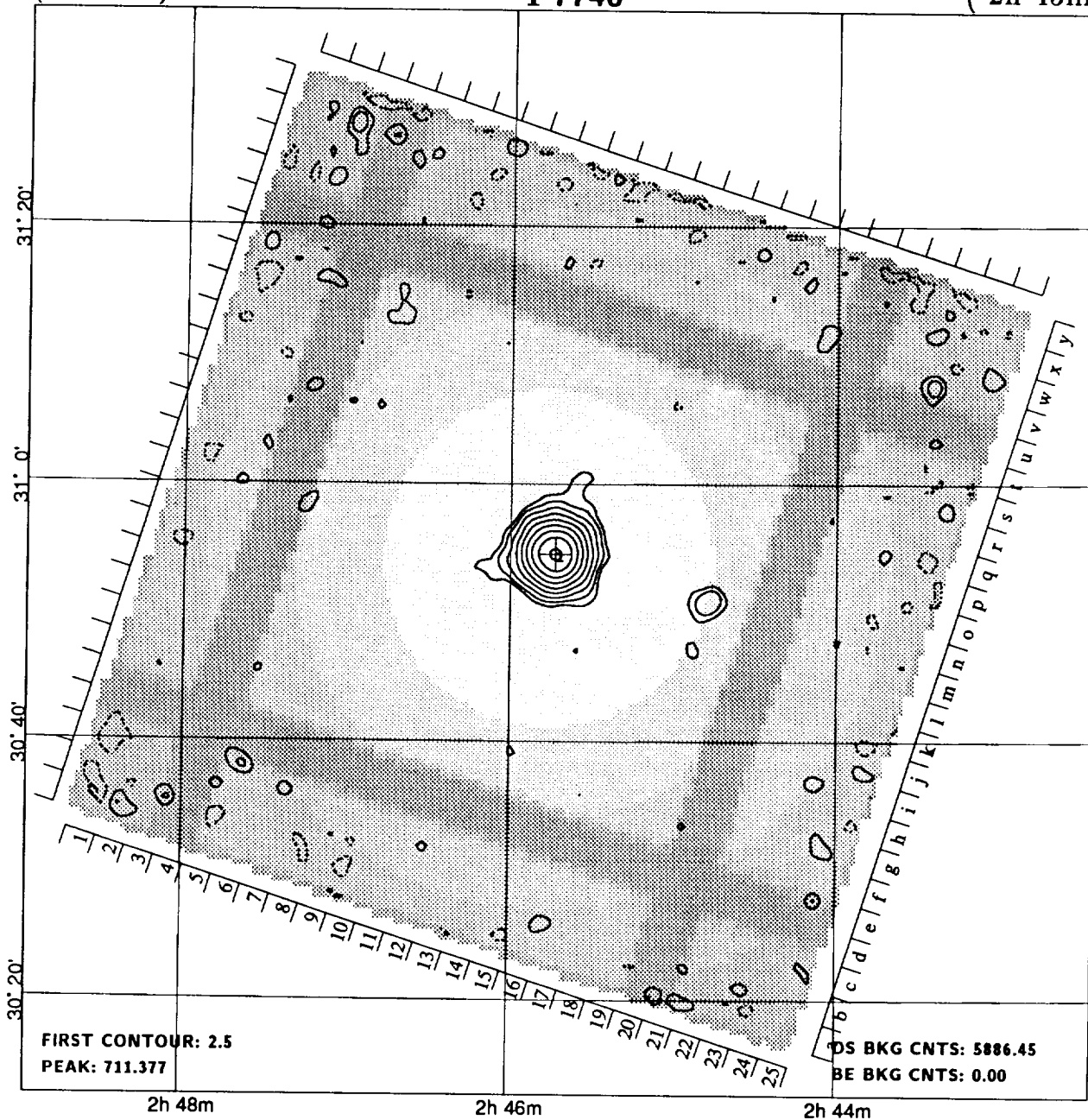
NH: 3.4E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
656	1	02 42 22.8	69 33 47	43	0.0148	0.0041	16.3	3.7	3.7	0.9	0	13.3	H	
663	2	02 44 24.0	69 25 34	31	0.230	0.013	310.6	4.4	17.5	1.4	0	0.2	H	S

(2h 45m)

I 7748

(2h 45m)



HD 17433, SELECTED BY DRACONIS STARS

FIELD CENTER: $02^h 45^m 42.0^s$ $30^\circ 54' 35''$ (B1950)
 $02^h 48^m 42.5^s$ $31^\circ 07' 02''$ (J2000)
 $l: 150.58$ $b: -25.38$

DATE: 1980/209 - 1980/209
 LIVETIME: 4769.9s
 ROLL ANGLE: -72.2°

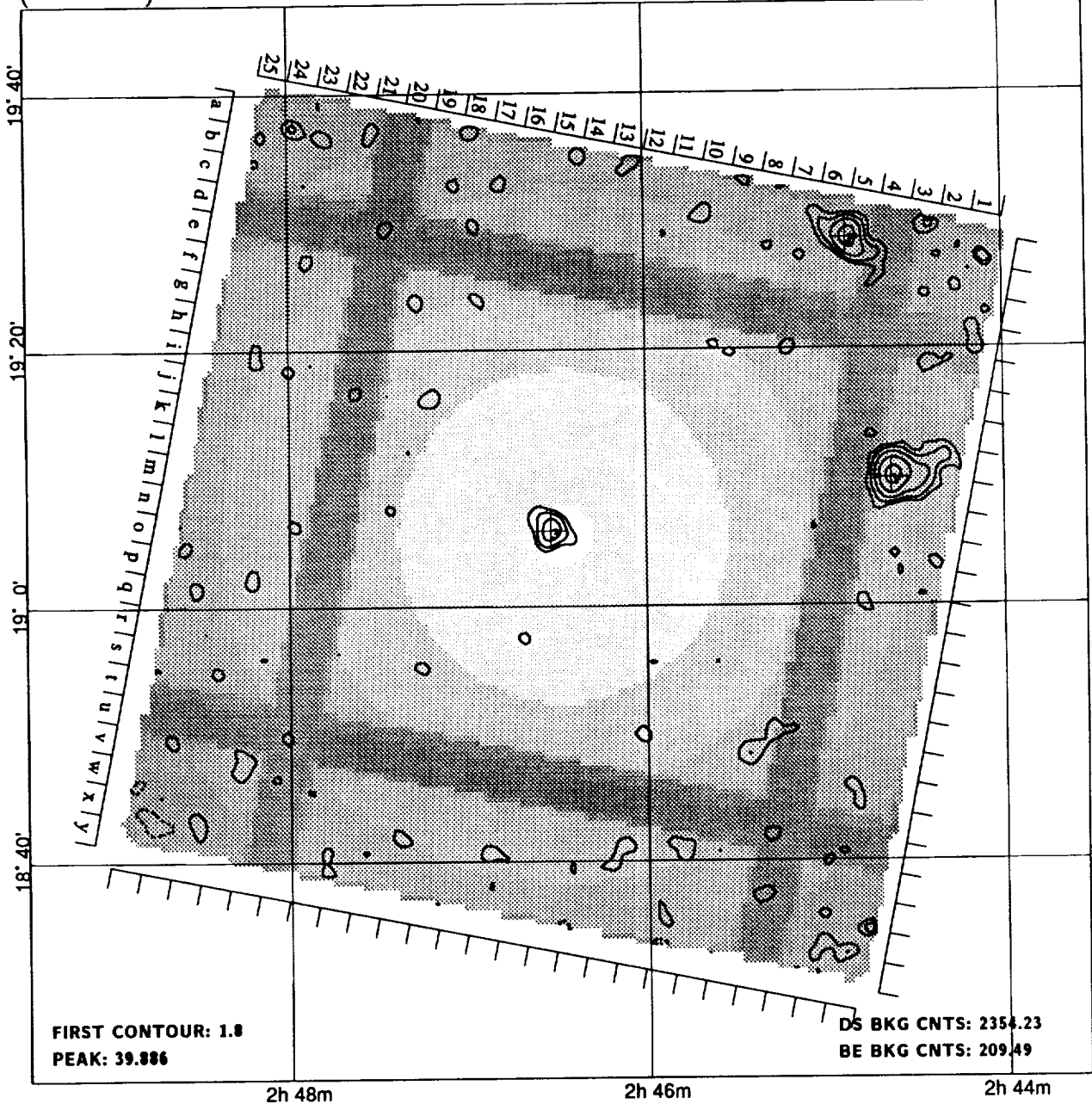
NH: 9.5E+20
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID FLG
669	1L	02 45 43.4	30 54 36	31	0.772 0.019	2743.1	563.9	41.4	1.4	0	0.4		

(2h 46m)

I 2661

(2h 46m)



SEYFERT GALAXY SURVEY: MKN 372

FIELD CENTER: $02^h 46^m 30.0^s$ $19^\circ 04' 59''$ (B1950)
 $02^h 49^m 19.3^s$ $19^\circ 17' 24''$ (J2000)
 $l: 157.71$ $b: -35.50$

DATE: 1980/ 45 - 1980/ 45
 LIVETIME: 1907.7s
 ROLL ANGLE: 101.2°

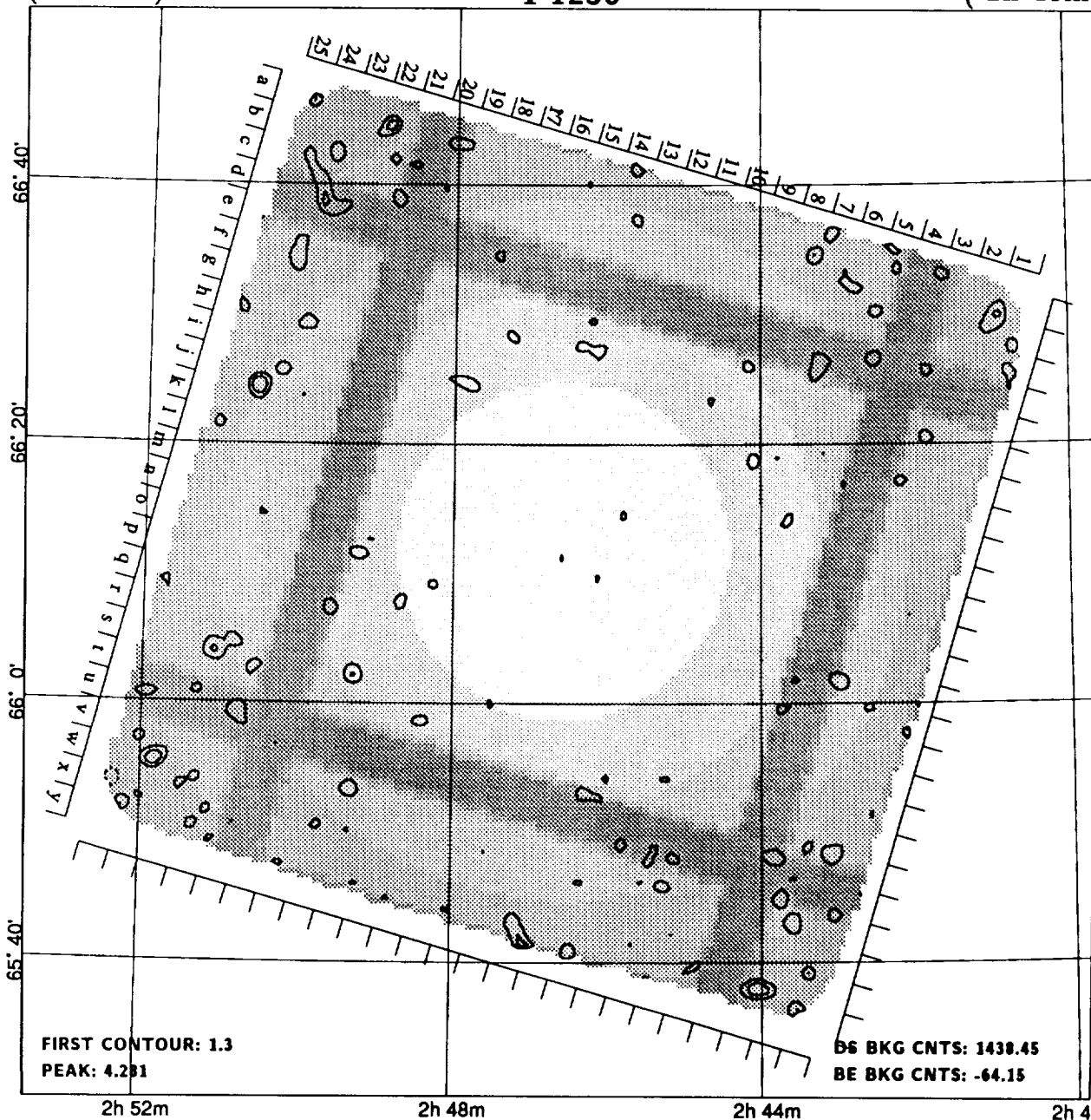
NH: $9.3E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
664	1	02 44 37.8	19 09 53	48	*0.108	0.012	83.9	4.1	8.9	1.4	602	27.0	H	
667	2	02 44 52.2	19 28 34	51	0.0535	0.0099	31.8	3.2	5.4	1.4	200	33.2	H	AGN
670	3	02 46 32.2	19 05 52	35	0.0325	0.0051	46.0	7.0	6.3	1.0	0	0.9	H	

(2h 46m)

I 1236

(2h 46m)



H & CHI PERSEI GALACTIC PLANE SURVEY

FIELD CENTER: $02^h 46^m 37.5^s$ $66^\circ 11' 40''$ (B1950)
 $02^h 50^m 53.4^s$ $66^\circ 24' 03''$ (J2000)
 $l: 134.50$ $b: 6.25$

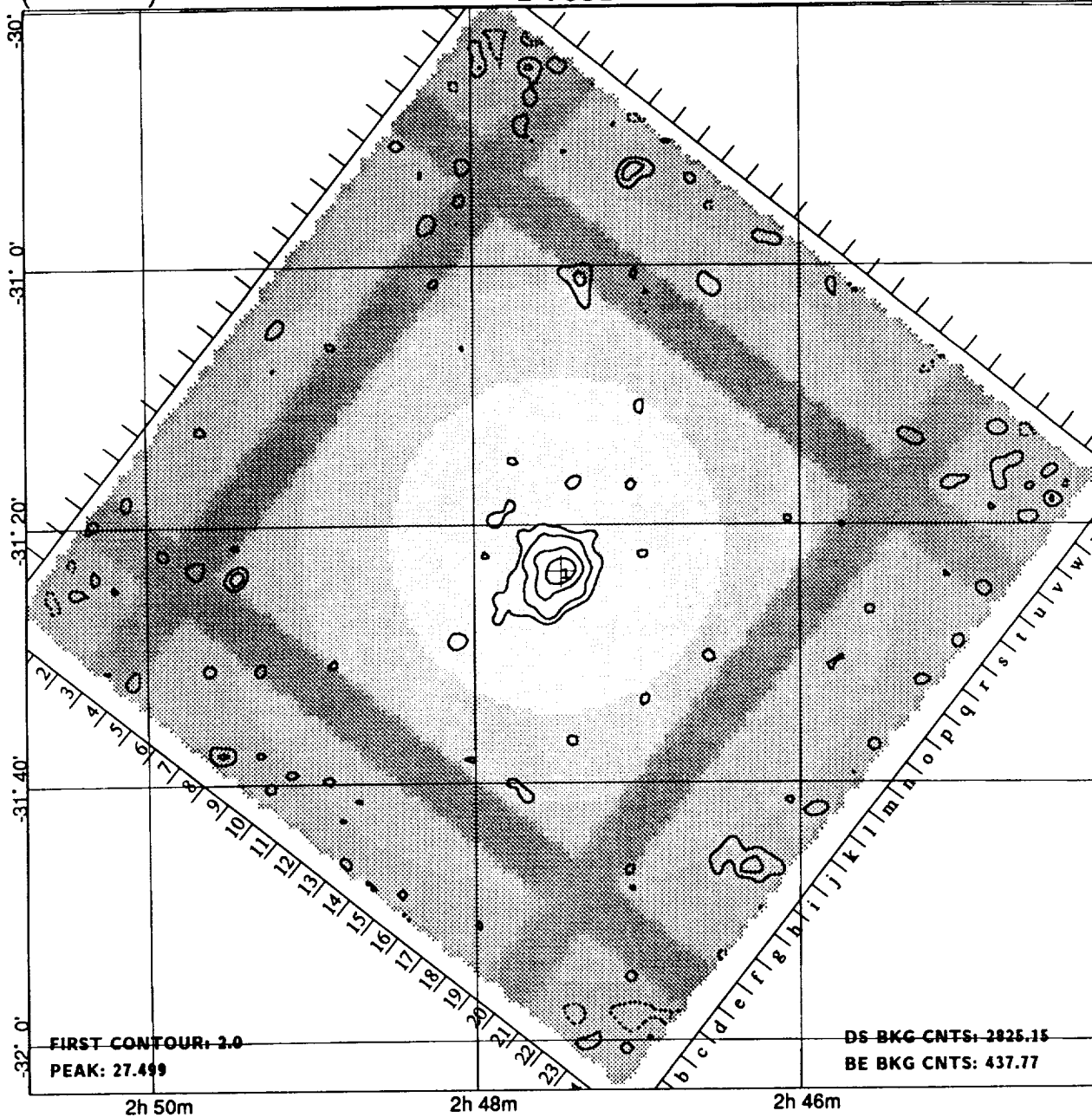
DATE: 1979/ 33 - 1979/ 33
 LIVETIME: 1165.6s
 ROLL ANGLE: 106.0°

NH: $4.2E+21$
 REF/ID:
 FIELD FLAGS:

(2h 47m)

I 7651

(2h 47m)



DC 0247-31, CLUSTERS OF GALAXIES W/UNUSUAL OPTICAL MORPHOLOGY

FIELD CENTER: 02^h47^m27.5^s -31°21'51" (B1950)
 02^h49^m34.0^s -31°09'28" (J2000)
 l : 228.93 b : -63.97

DATE: 1980/181 - 1980/181
 LIVETIME: 2289.3s
 ROLL ANGLE: -51.8°

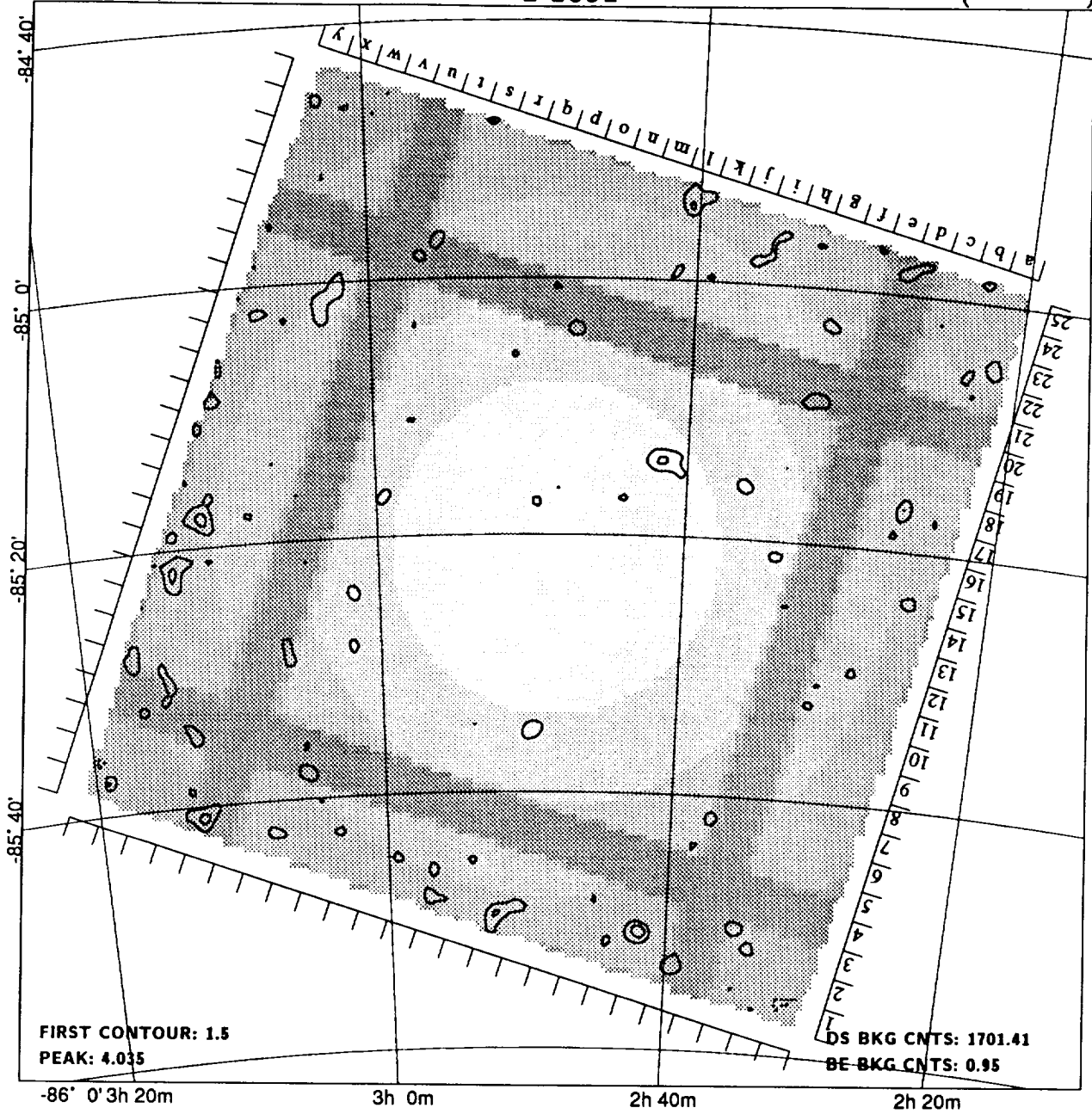
NH: 2.2E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
672	1	02 47 28.0	-31 23 32	31	0.0720	0.0068	121.5	9.5	10.6	2.1	0	1.7	H	

(2h 48m)

I 1091

(2h 48m)



FIELD CENTER: 02^h48^m24.0^s -85°20'59" (B1950)
 02^h42^m07.2^s -85°08'26" (J2000)
 l : 300.29 b : -31.41

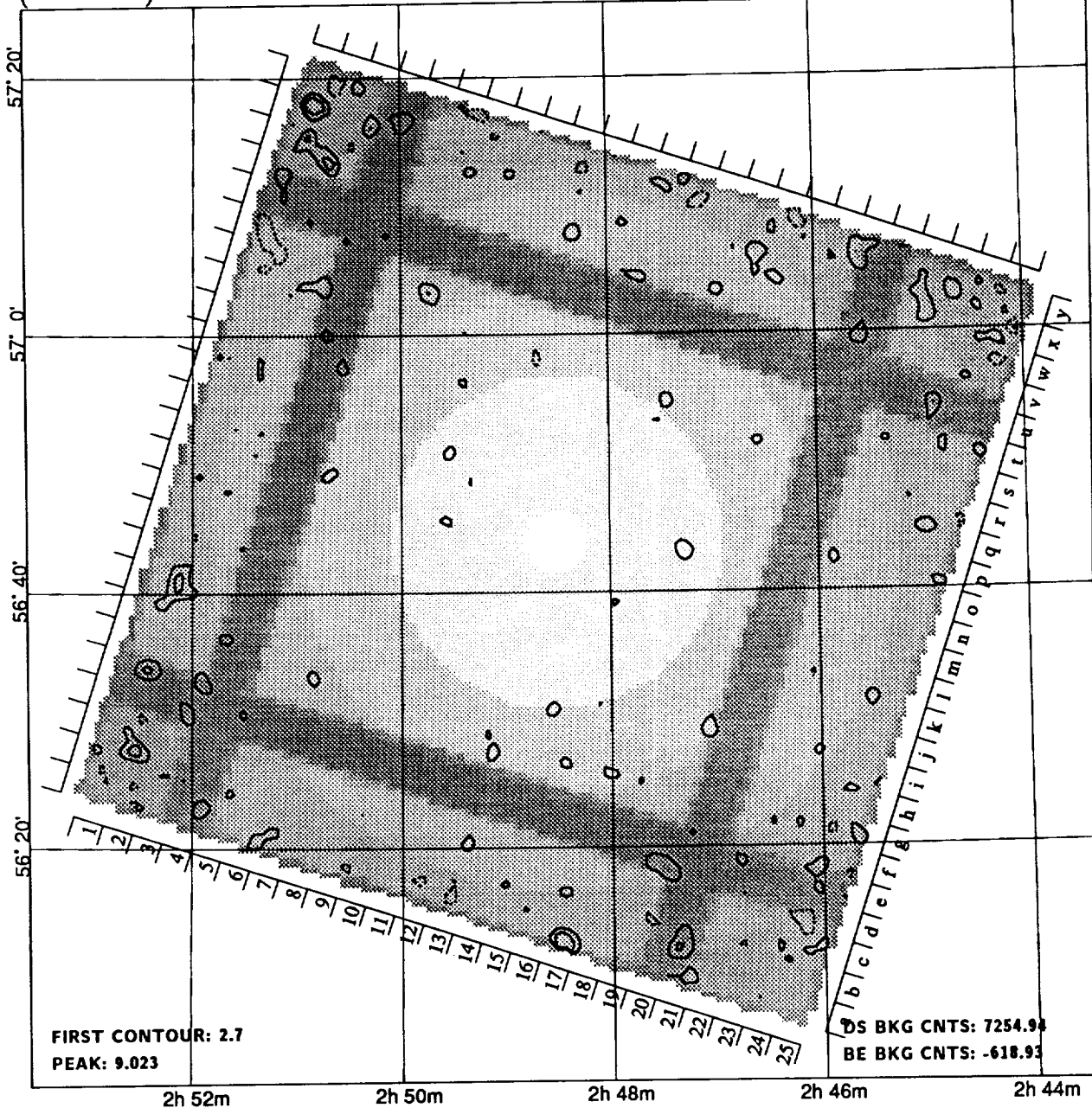
DATE: 1979/293 - 1979/293
 LIVETIME: 1378.7s
 ROLL ANGLE: -162.7°

NH: 9.0E+20
 REF/ID:
 FIELD FLAGS:

(2h 48m)

I 5041

(2h 48m)



FIELD CENTER: $02^h 48^m 28.6^s$ $56^\circ 43' 50''$ (B1950)
 $02^h 52^m 11.5^s$ $56^\circ 56' 08''$ (J2000)
 $l: 138.87$ $b: -2.15$

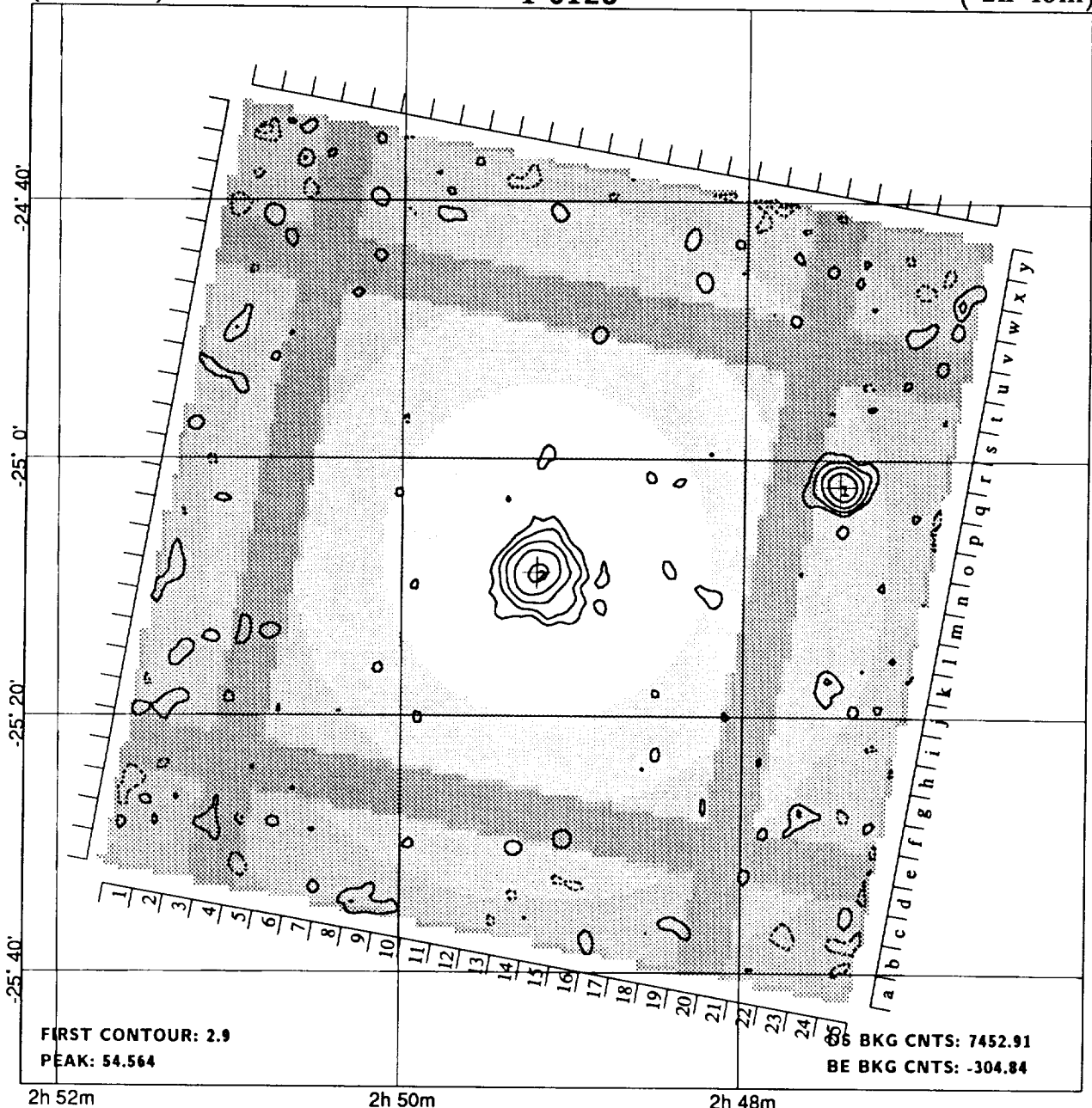
DATE: 1980/227 - 1980/227
 LIVETIME: 5878.9s
 ROLL ANGLE: -72.1°

NH: $6.2E+21$
 REF/ID: S
 FIELD FLAGS:

(2h 49m)

I 6128

(2h 49m)



A 389, DETAILED STUDY OF NEARBY CLUSTERS

FIELD CENTER: 02^h49^m06.0^s -25°06'59" (B1950)
 02^h51^m18.7^s -24°54'41" (J2000)
 l : 215.03 b : -63.04

DATE: 1980/224 - 1980/224
 LIVETIME: 6039.3s
 ROLL ANGLE: -79.9°

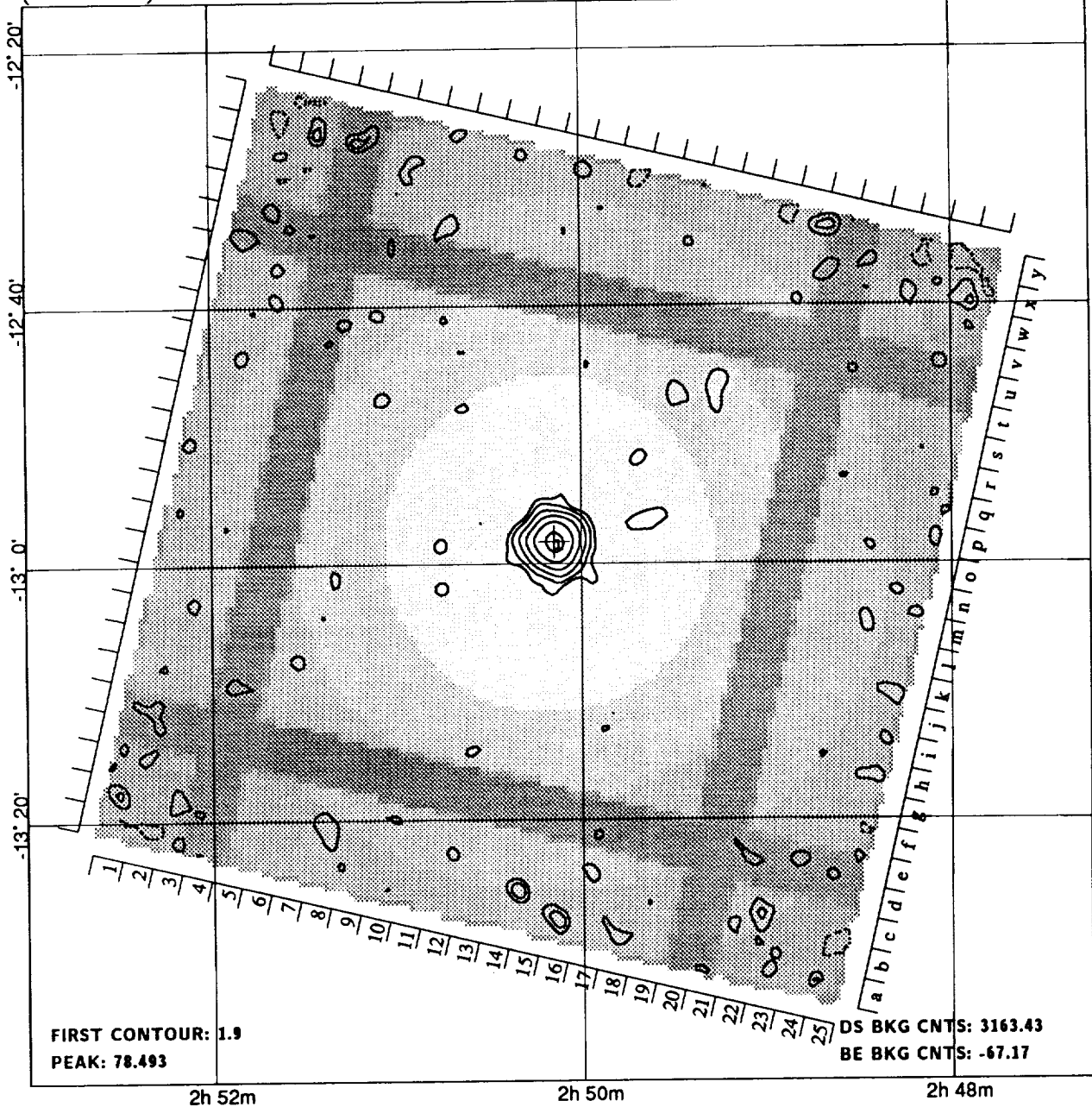
NH: 1.8E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
671	1	02 47 26.7	-25 02 05	48	0.0422	0.0041	114.5	11.5	10.2	1.2	400	23.1	H
673	2	02 49 12.4	-25 08 51	31	0.0606	0.0038	270.8	17.2	16.0	2.1	0	2.5	H

(2h 50m)

I 9065

(2h 50m)



CORONAL ACTIVITY IN F, G, & K STARS: HD 17925

FIELD CENTER: $02^h 50^m 07.4^s$ $-12^\circ 58' 15''$ (B1950)
 $02^h 52^m 30.8^s$ $-12^\circ 46' 00''$ (J2000)
 $l: 192.06$ $b: -58.26$

DATE: 1980/223 - 1980/224
 LIVETIME: 2563.4s
 ROLL ANGLE: -76.8°

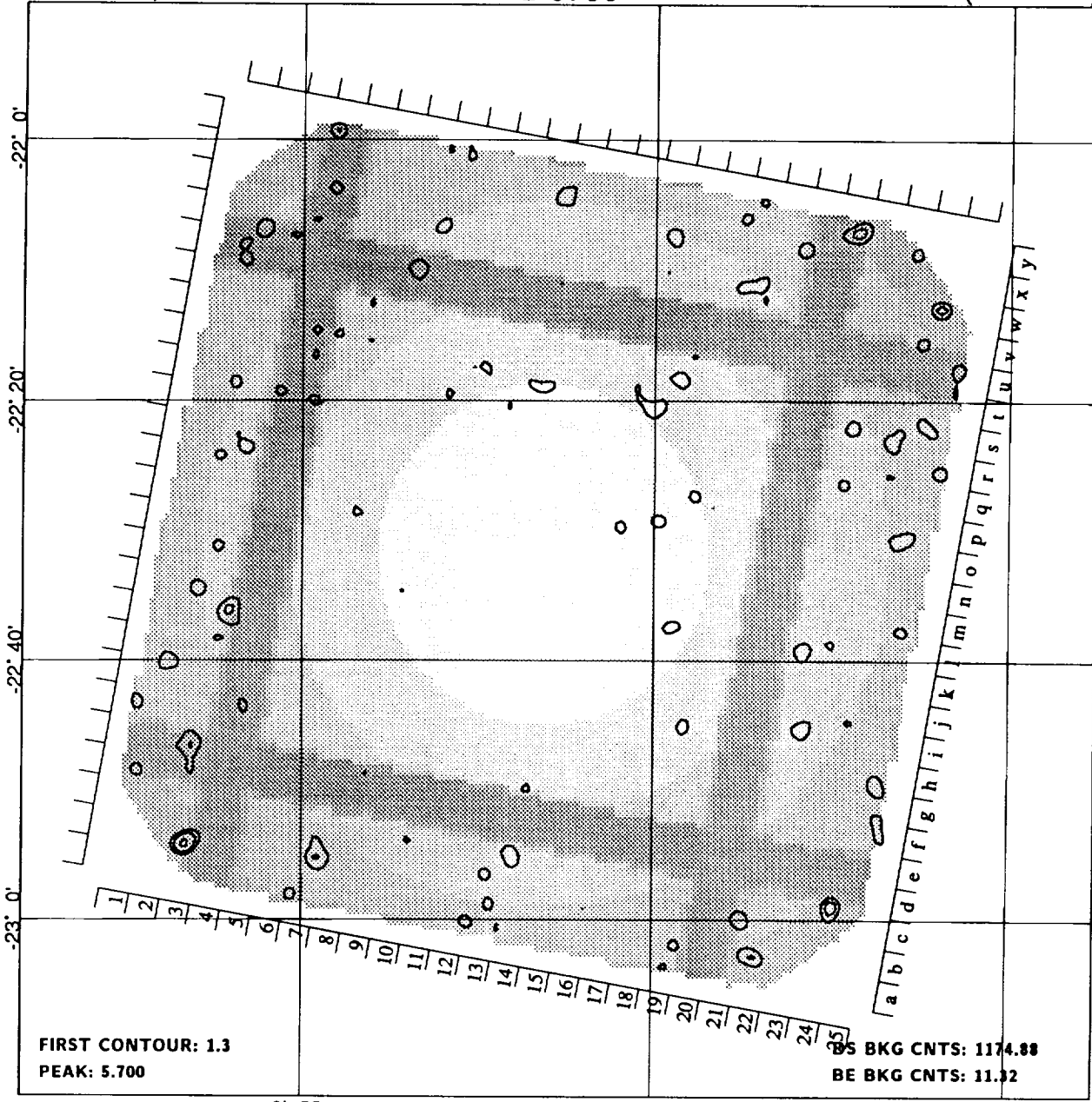
NH: $3.4E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
674	1	02 50 08.9	-12 58 19	31	0.186	0.010	355.6	7.4	18.7	1.5	0	0.4	H	

(2h 50m)

I 6730

(2h 50m)



FIRST CONTOUR: 1.3
 PEAK: 5.700

PS BKG CNTS: 1174.88
 BE BKG CNTS: 11.32

2h 52m

2h 50m

2h 48m

SEARCH FOR HIGH LX QSO'S: 5

FIELD CENTER: $02^h 50^m 33.0^s -22^\circ 31' 38''$ (B1950)
 $02^h 52^m 48.0^s -22^\circ 19' 24''$ (J2000)
 $l: 209.75 \quad b: -62.10$

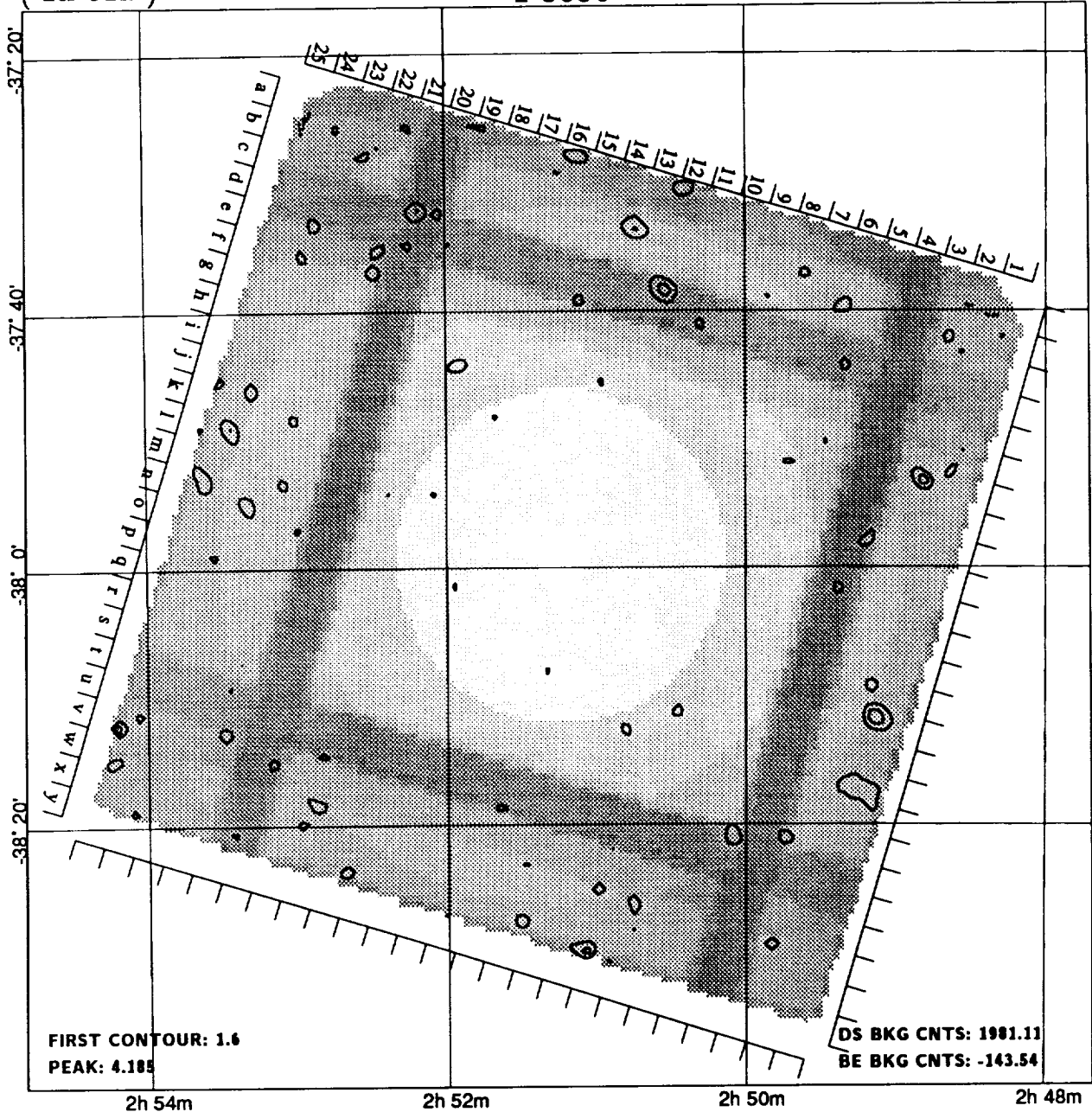
DATE: 1980/225 - 1980/225
 LIVETIME: 952.1s
 ROLL ANGLE: -79.9°

NH: $2.4E+20$
 REF/ID:
 FIELD FLAGS:

(2h 51m)

I 3056

(2h 51m)



ACCRETING WHITE DWARFS: SY FOR

FIELD CENTER: 02^h51^m15.0^s -37°58'23" (B1950)
 02^h53^m13.3^s -37°46'11" (J2000)
 l : 243.26 b : -62.35

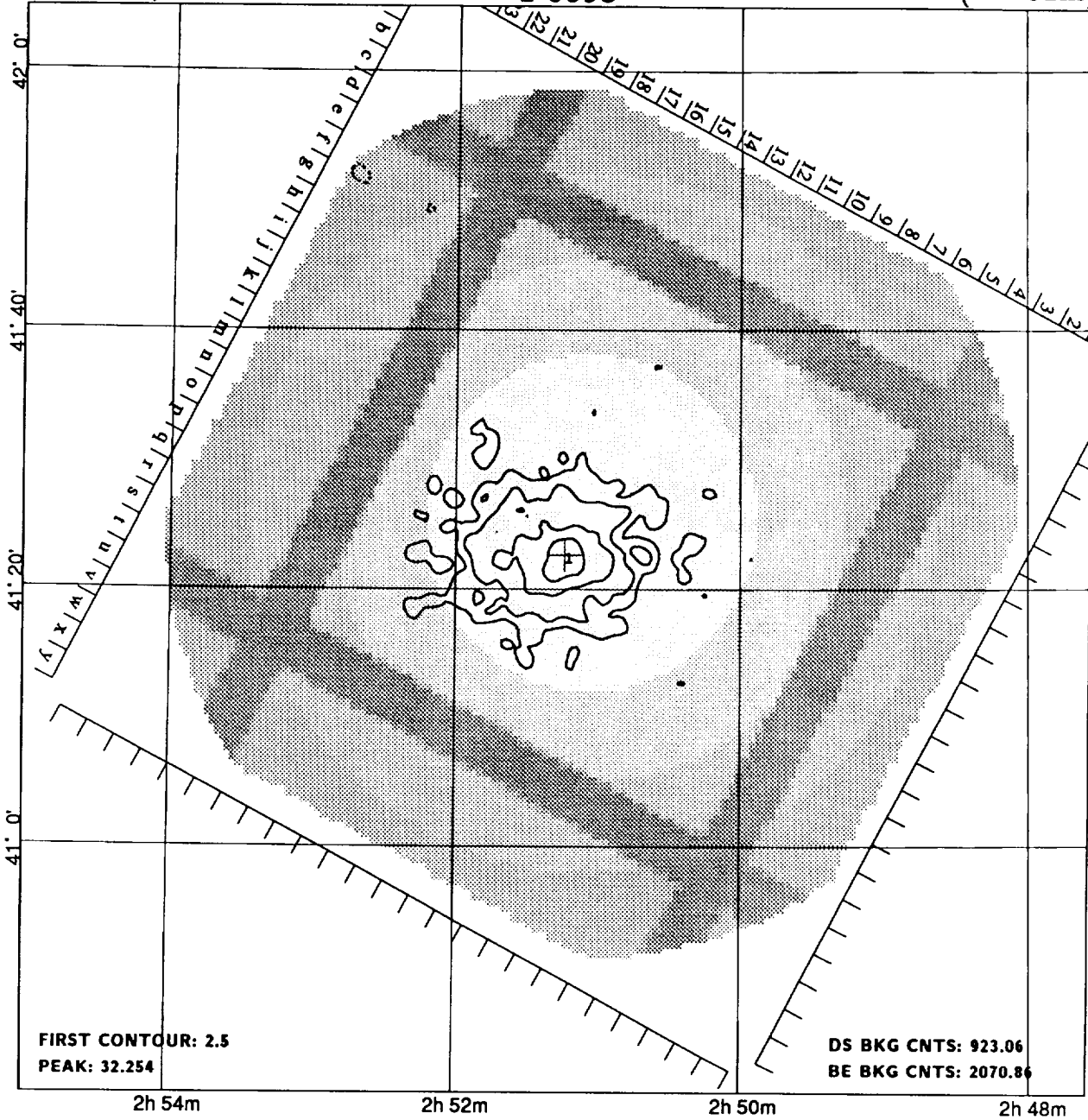
DATE: 1979/ 27 - 1979/ 27
 LIVETIME: 1605.3s
 ROLL ANGLE: 106.9°

NH: 2.0E+20
 REF/ID:
 FIELD FLAGS:

(2h 51m)

I 6698

(2h 51m)



AWM 7: CD GALAXIES IN POOR CLUSTERS

FIELD CENTER: $02^h 51^m 18.0^s$ $41^\circ 22' 59''$ (B1950)
 $02^h 54^m 32.2^s$ $41^\circ 35' 09''$ (J2000)
 $l: 146.35$ $b: -15.62$

DATE: 1980/ 50 - 1980/ 50
 LIVETIME: 748.0s
 ROLL ANGLE: 118.0°

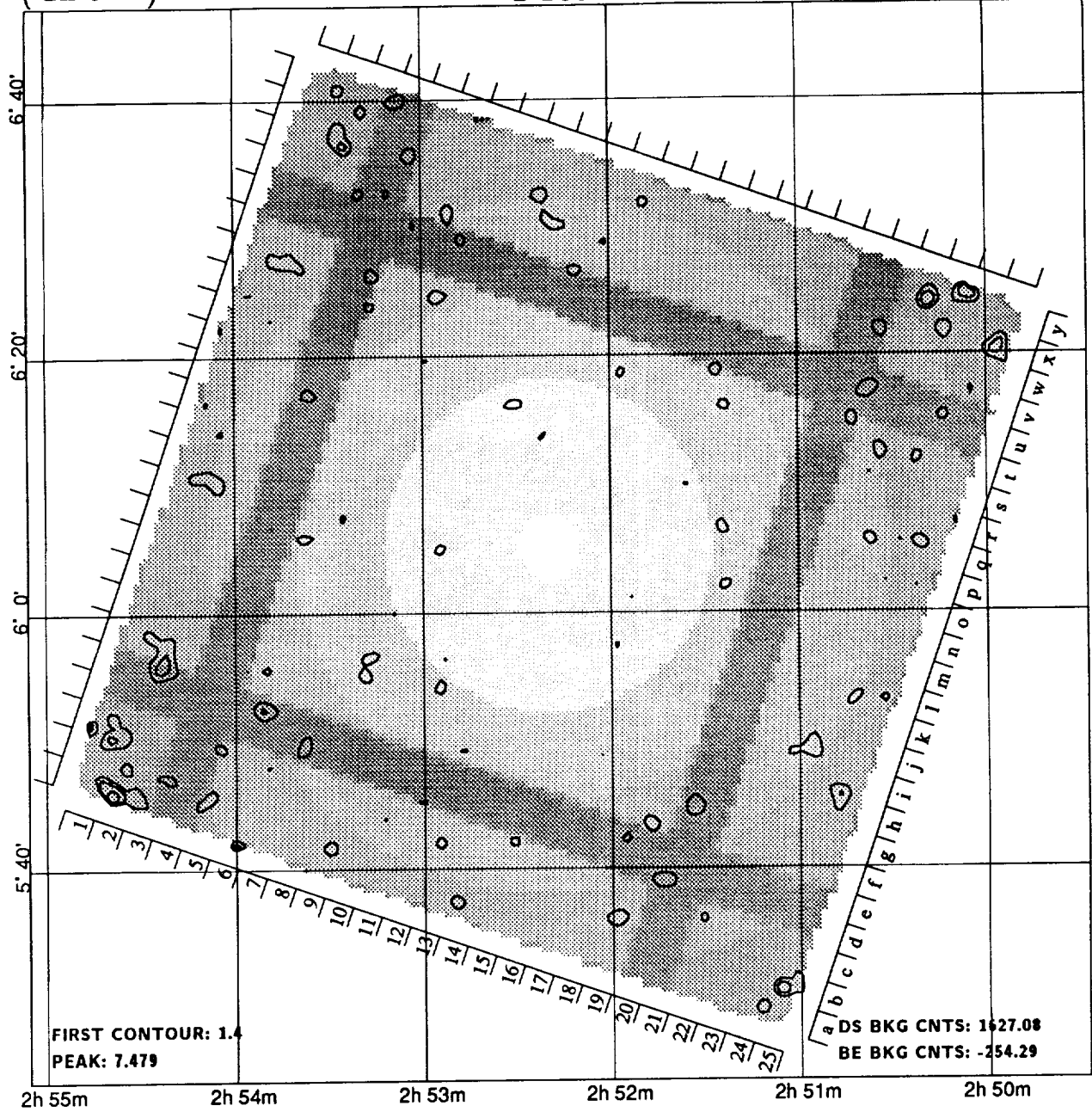
NH: $9.2E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
675	1L	02 51 13.9	41 22 38	31	0.139	0.030	75.5	94.5	4.6	6.4	0	0.7		CLG

(2h 52m)

I 1092

(2h 52m)



FIELD CENTER: 02^h52^m16.8^s 06°05'23" (B1950)
 02^h54^m55.5^s 06°17'32" (J2000)
 l : 169.28 b : -45.18

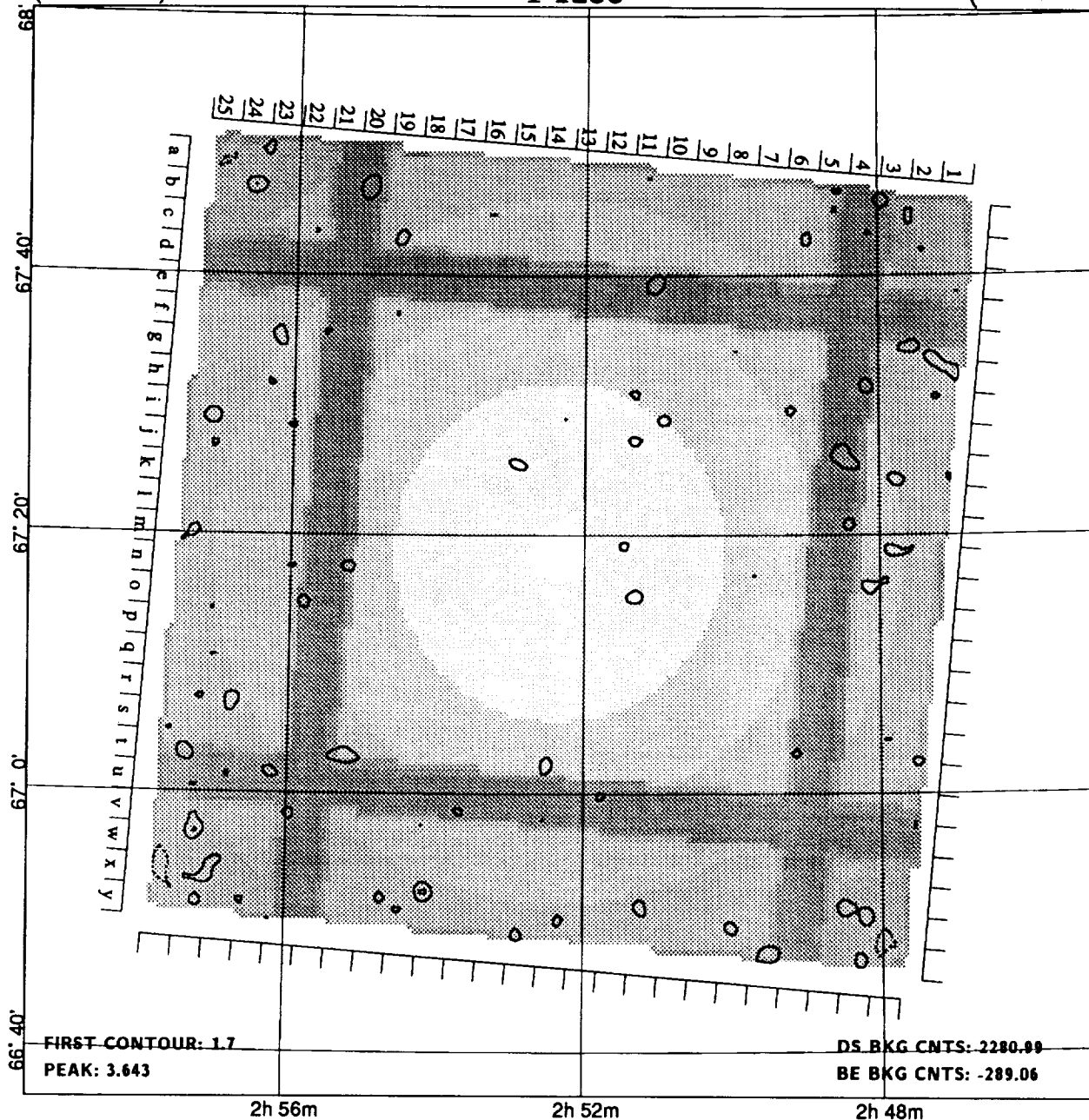
DATE: 1979/206 - 1979/206
 LIVETIME: 1318.5s
 ROLL ANGLE: -71.0°

NH: 8.5E+20
 REF/ID:
 FIELD FLAGS:

(2h 52m)

I 1238

(2h 52m)



H & CHI PERSEI GALACTIC PLANE SURVEY

FIELD CENTER: $02^h 52^m 18.5^s$ $67^\circ 18' 41''$ (B1950)
 $02^h 56^m 43.0^s$ $67^\circ 30' 46''$ (J2000)
 $l: 134.50$ $b: 7.50$

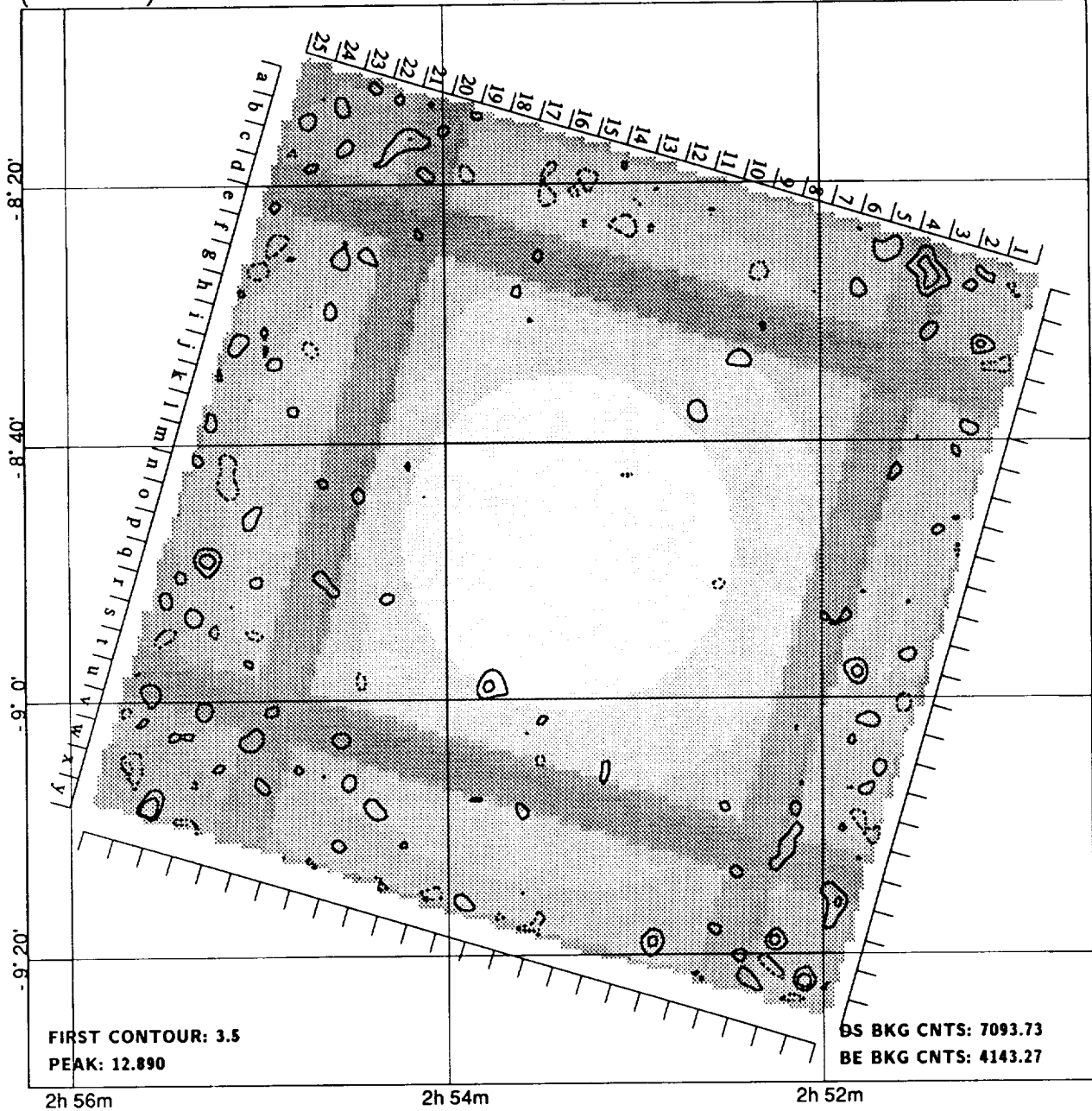
DATE: 1979/ 34 - 1979/ 34
 LIVETIME: 1848.3s
 ROLL ANGLE: 94.6°

NH: $3.0E+21$
 REF/ID:
 FIELD FLAGS:

(2h 53m)

I 10489

(2h 53m)



FIELD CENTER: 02^h53^m24.0^s -08°47'59" (B1950)
 02^h55^m50.7^s -08°35'54" (J2000)
 l : 186.58 b : -55.25

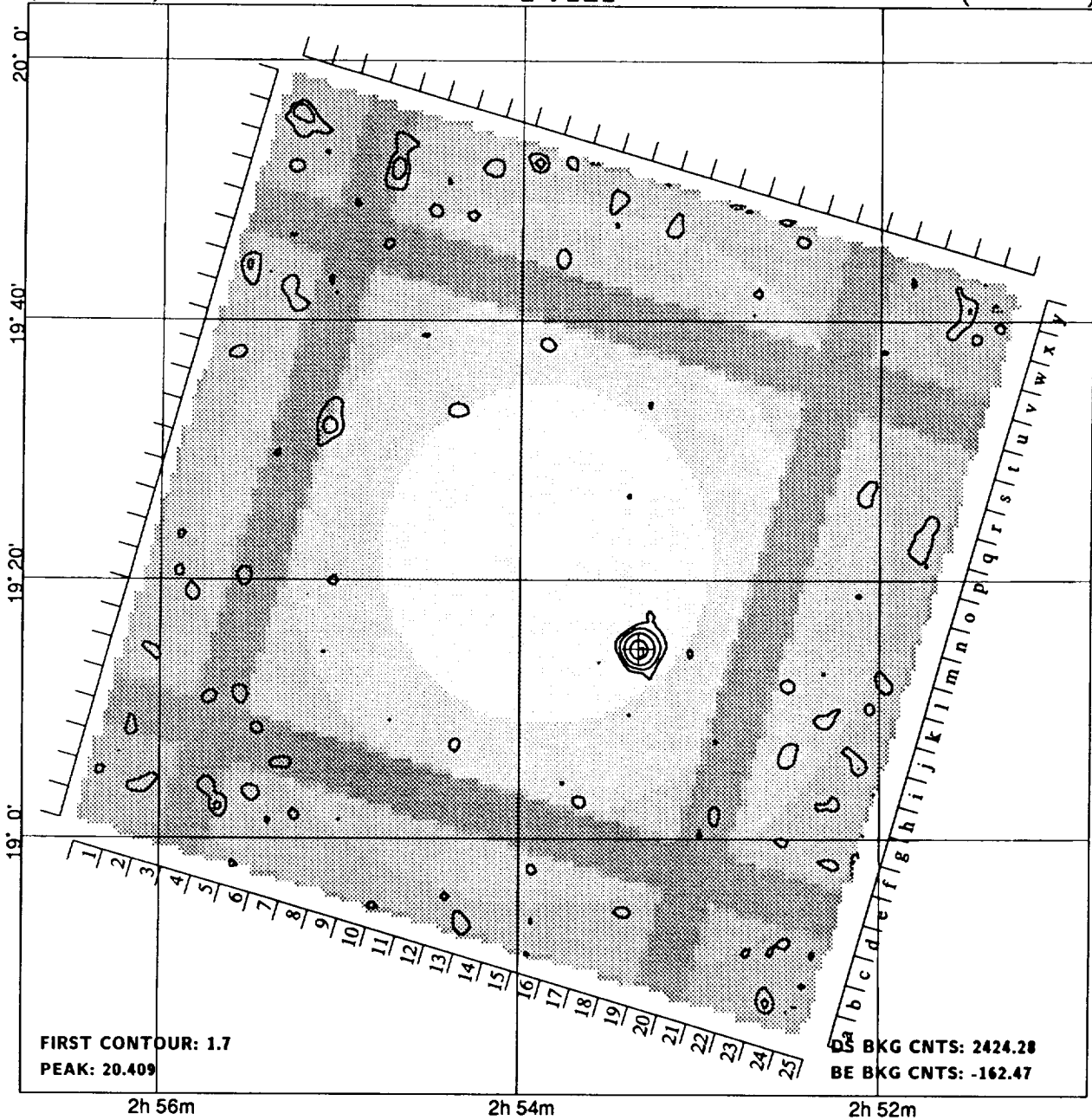
DATE: 1981/ 55 - 1981/ 55
 LIVETIME: 5748.2s
 ROLL ANGLE: 106.4°

NH: 5.2E+20
 REF/ID:
 FIELD FLAGS: L

(2h 53m)

I 7121

(2h 53m)



H0253+193, UNIDENTIFIED HEAO A2 SOURCE

FIELD CENTER: 02^h53^m48.0^s 19°22'11" (B1950)
 02^h56^m38.1^s 19°34'15" (J2000)
 l : 159.28 b : -34.32

DATE: 1980/209 - 1980/209
 LIVETIME: 1964.5s
 ROLL ANGLE: -73.9°

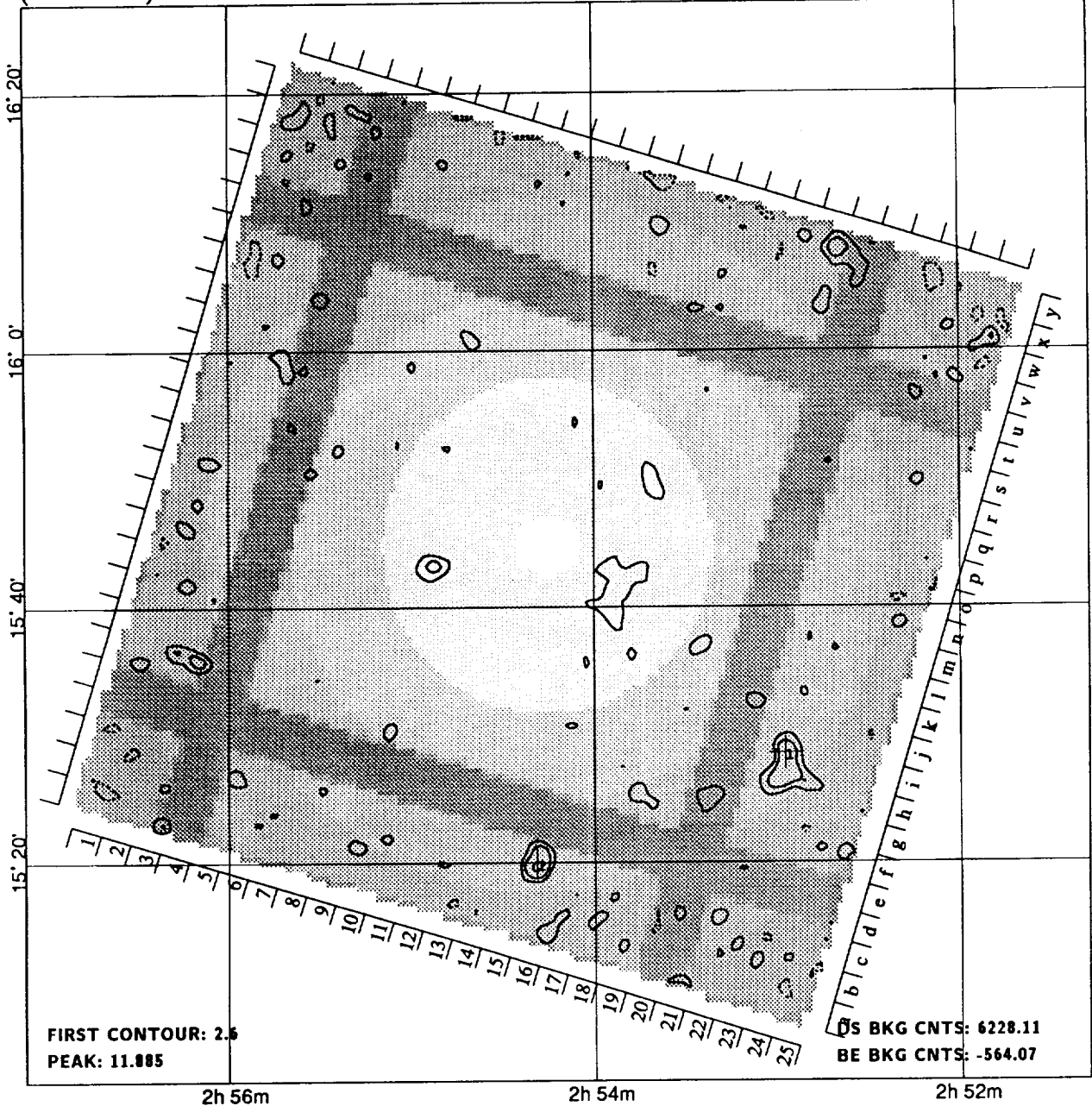
NH: 1.1E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
677	1	02 53 20.2	19 14 36	38	0.0517	0.0065	67.2	4.8	7.9	1.0	0	10.0	

(2h 54m)

I 7699

(2h 54m)



ABELL 397, CLUSTERS OF GALAXIES

FIELD CENTER: 02^h54^m12.0^s 15°44'59" (B1950)
 02^h56^m58.9^s 15°57'02" (J2000)
 $l: 161.91$ $b: -37.24$

DATE: 1980/211 - 1980/211
 LIVETIME: 5046.8s
 ROLL ANGLE: -73.2°

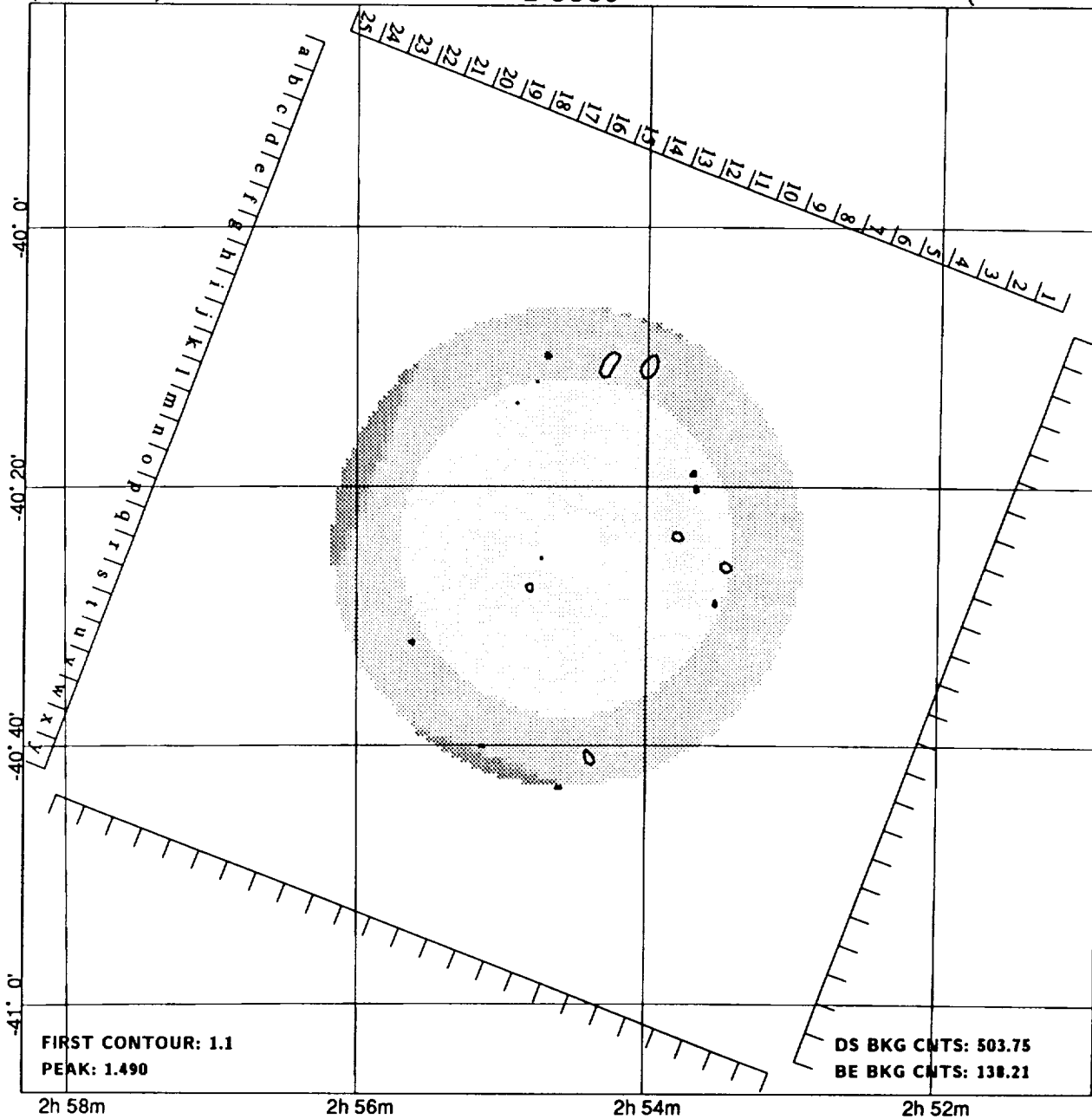
NH: 9.5E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
676	1	02 52 57.4	15 28 32	56	0.0091	0.0025	20.0	9.0	3.7	1.4	0	24.7	H
678	2	02 54 19.1	15 19 58	52	0.0127	0.0028	27.9	9.1	4.6	0.8	400	25.0	H

(2h 54m)

I 5389

(2h 54m)



0254-404, COMPLETION OF OSMER-SMITH SAMPLE

FIELD CENTER: $02^h 54^m 36.0^s$ $-40^\circ 24' 59''$ (B1950)
 $02^h 56^m 30.4^s$ $-40^\circ 12' 57''$ (J2000)
 $l: 247.88$ $b: -61.08$

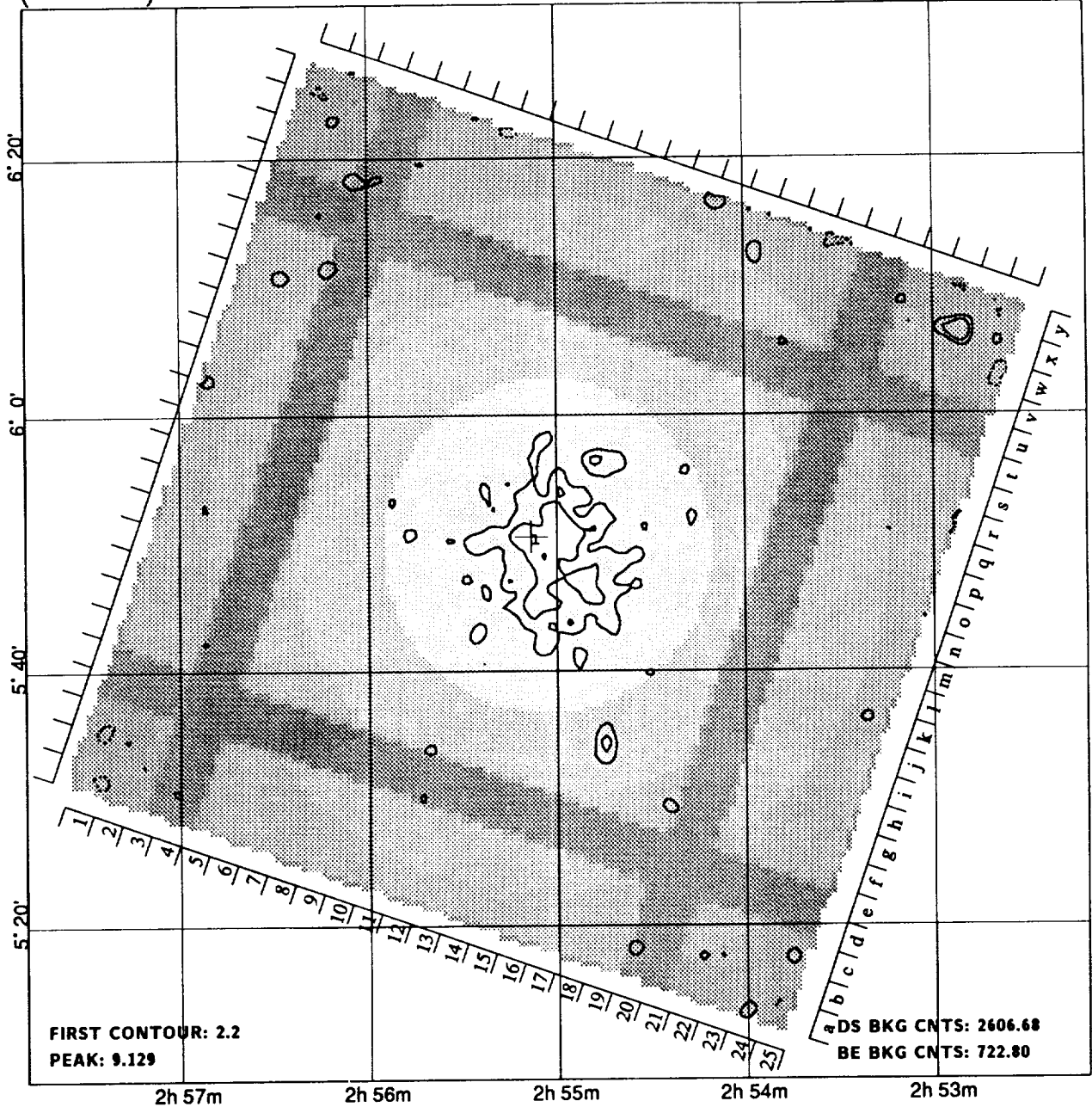
DATE: 1980/ 22 - 1980/ 36
 LIVETIME: 408.2s
 ROLL ANGLE: 110.9°

NH: $1.7E+20$
 REF/ID:
 FIELD FLAGS:

(2h 55m)

I 1824

(2h 55m)



A400: X-RAY STUDY OF CLUSTERS OF GALAXIES

FIELD CENTER: 02^h55^m00.0^s 05°49'59" (B1950)
 02^h57^m38.6^s 06°01'59" (J2000)
l: 170.24 *b*: -44.93

DATE: 1979/206 - 1979/206
 LIVETIME: 2112.3s
 ROLL ANGLE: -71.0°

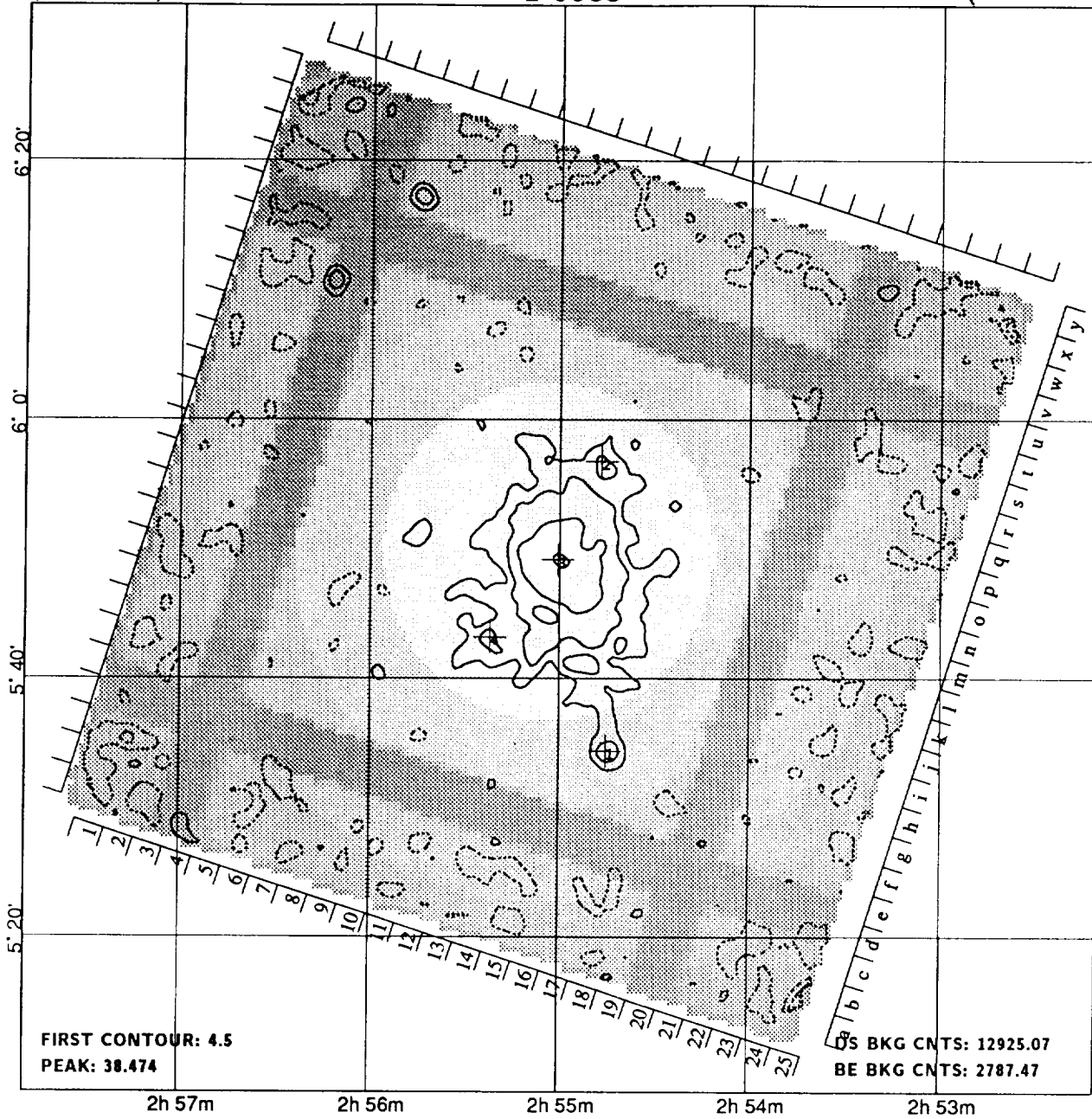
NH: 8.8E+20
 REF/ID:
 FIELD FLAGS: CD

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
683	1	02 55 08.2	05 50 28	36	0.0256	0.0044	40.0	8.0	5.8	8.4	0	2.1	a	CLG

(2h 55m)

I 6085

(2h 55m)



A400, DETAILED STUDY OF CLUSTER EXTENTS

FIELD CENTER: $02^h 55^m 00.0^s$ $05^{\circ} 49' 59''$ (B1950)
 $02^h 57^m 38.6^s$ $06^{\circ} 01' 59''$ (J2000)
 $l: 170.24$ $b: -44.93$

DATE: 1980/213 - 1980/213
 LIVETIME: 10473.5s
 ROLL ANGLE: -72.3°

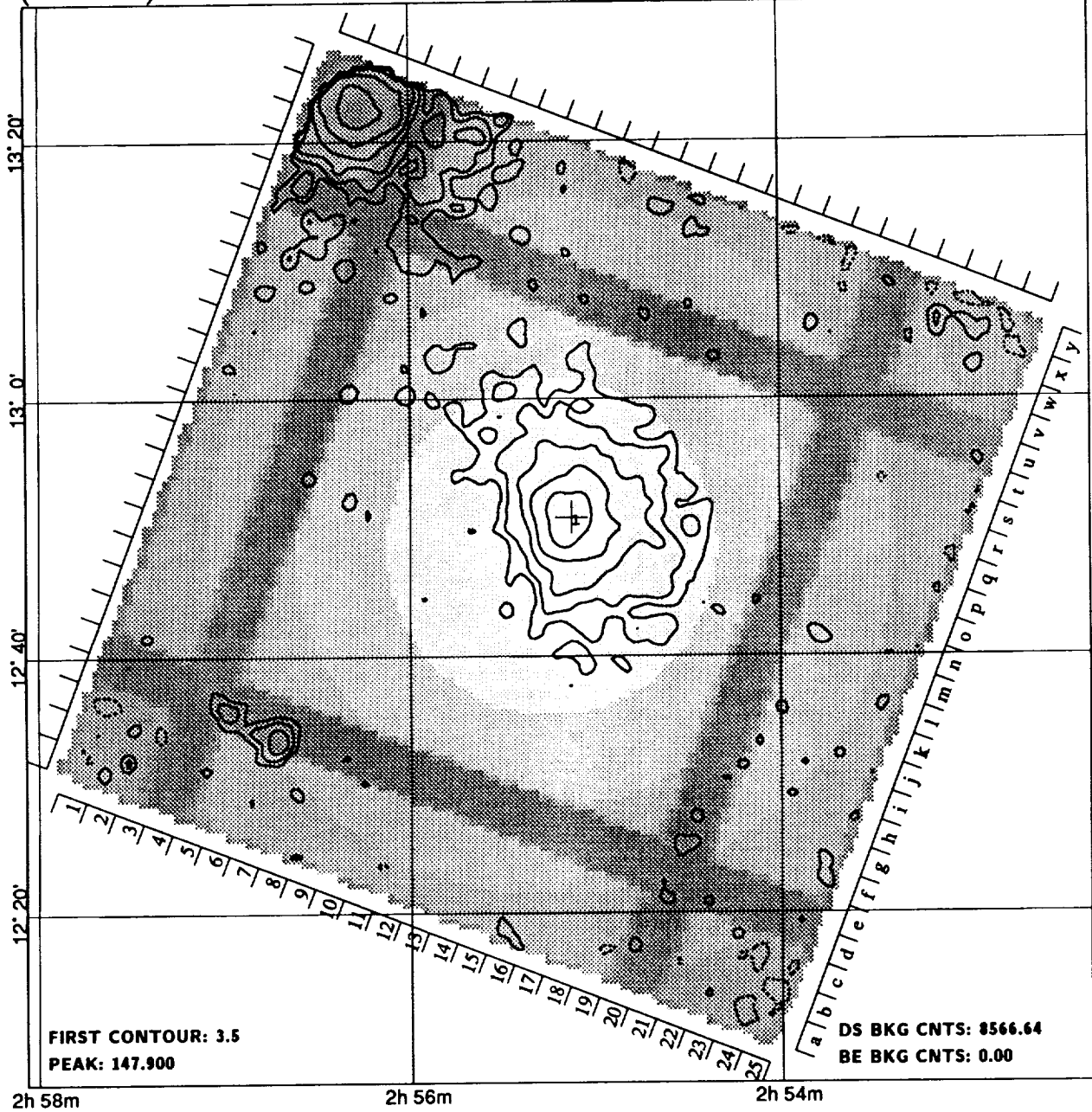
NH: $8.8E+20$
 REF/ID:
 FIELD FLAGS: CD

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
679	1	02 54 45.2	05 34 24	55	0.0073	0.0014	44.1	28.9	5.2	44.2	0	16.3	H	
680	2	02 54 46.8	05 56 46	42	0.0072	0.0013	51.6	38.4	5.4	41.6	0	7.6	H	
681	3	02 55 00.7	05 49 09	31	0.0255	0.0020	198.4	43.6	12.8	9.9	0	0.9	aH	CLG
686	4	02 55 22.0	05 43 12	42	0.0066	0.0013	47.2	39.8	5.1	43.1	0	8.9	H	

(2h 55m)

I 185

(2h 55m)



A399 CLUSTER SURFACE BRIGHTNESS

FIELD CENTER: 02^h55^m12.0^s 12°48'47" (B1950)
 02^h57^m56.4^s 13°00'47" (J2000)
 $l: 164.37$ $b: -39.47$

DATE: 1979/205 - 1979/205
 LIVETIME: 6941.8s
 ROLL ANGLE: -69.1°

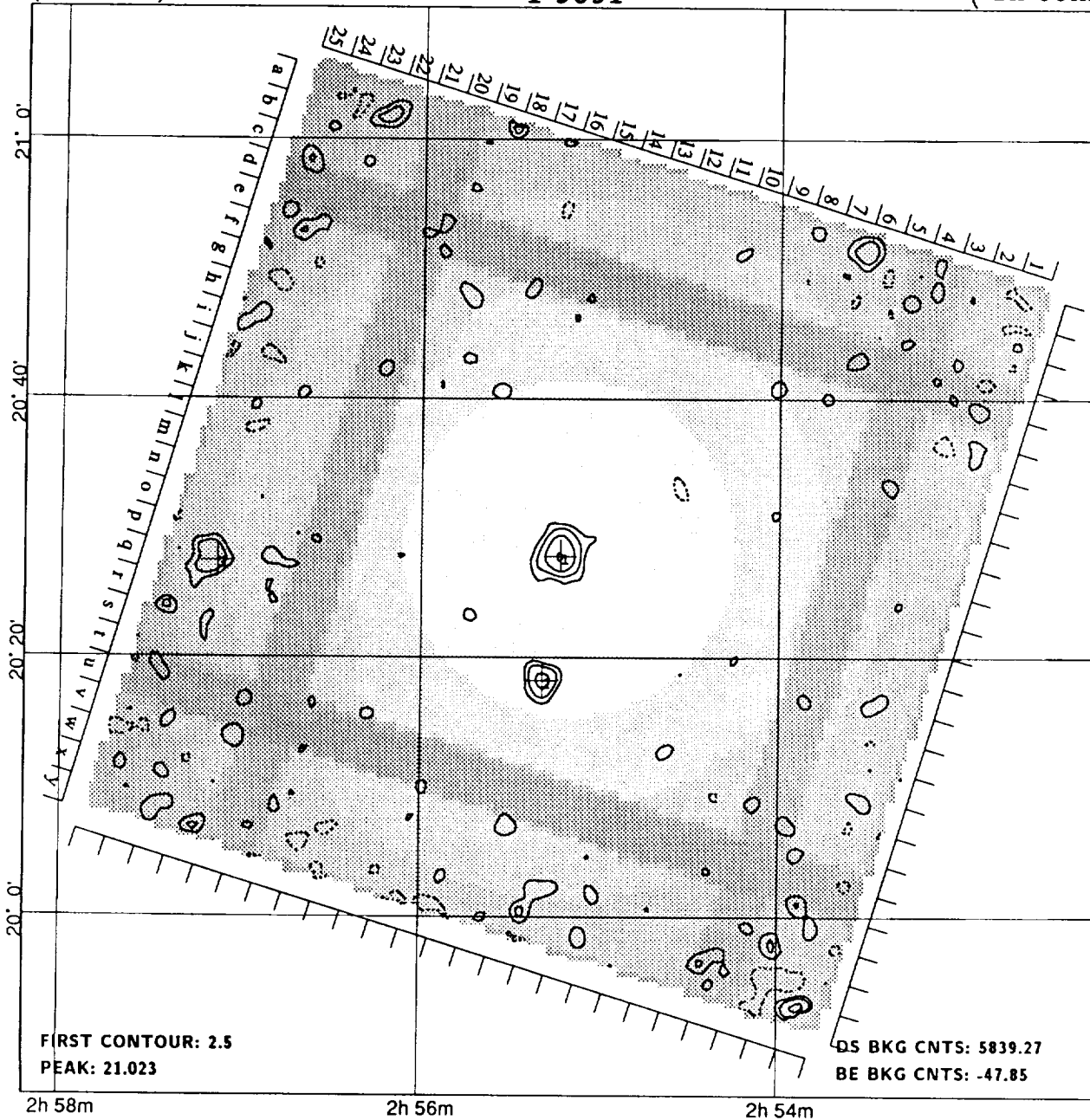
NH: 1.2E+21
 REF/ID:
 FIELD FLAGS: LS

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
682	1L	02 55 07.6	12 50 47	31	0.0359	0.0057	182.1	336.9	6.2	6.7	0	2.1	A	CLG

(2h 55m)

I 9691

(2h 55m)



F0-G5 STARS: HR 878

FIELD CENTER: $02^h 55^m 13.1^s$ $20^\circ 28' 09''$ (B1950)
 $02^h 58^m 04.3^s$ $20^\circ 40' 08''$ (J2000)
 $l: 158.88$ $b: -33.22$

DATE: 1981/ 43 - 1981/ 43
 LIVETIME: 4731.7s
 ROLL ANGLE: 107.1°

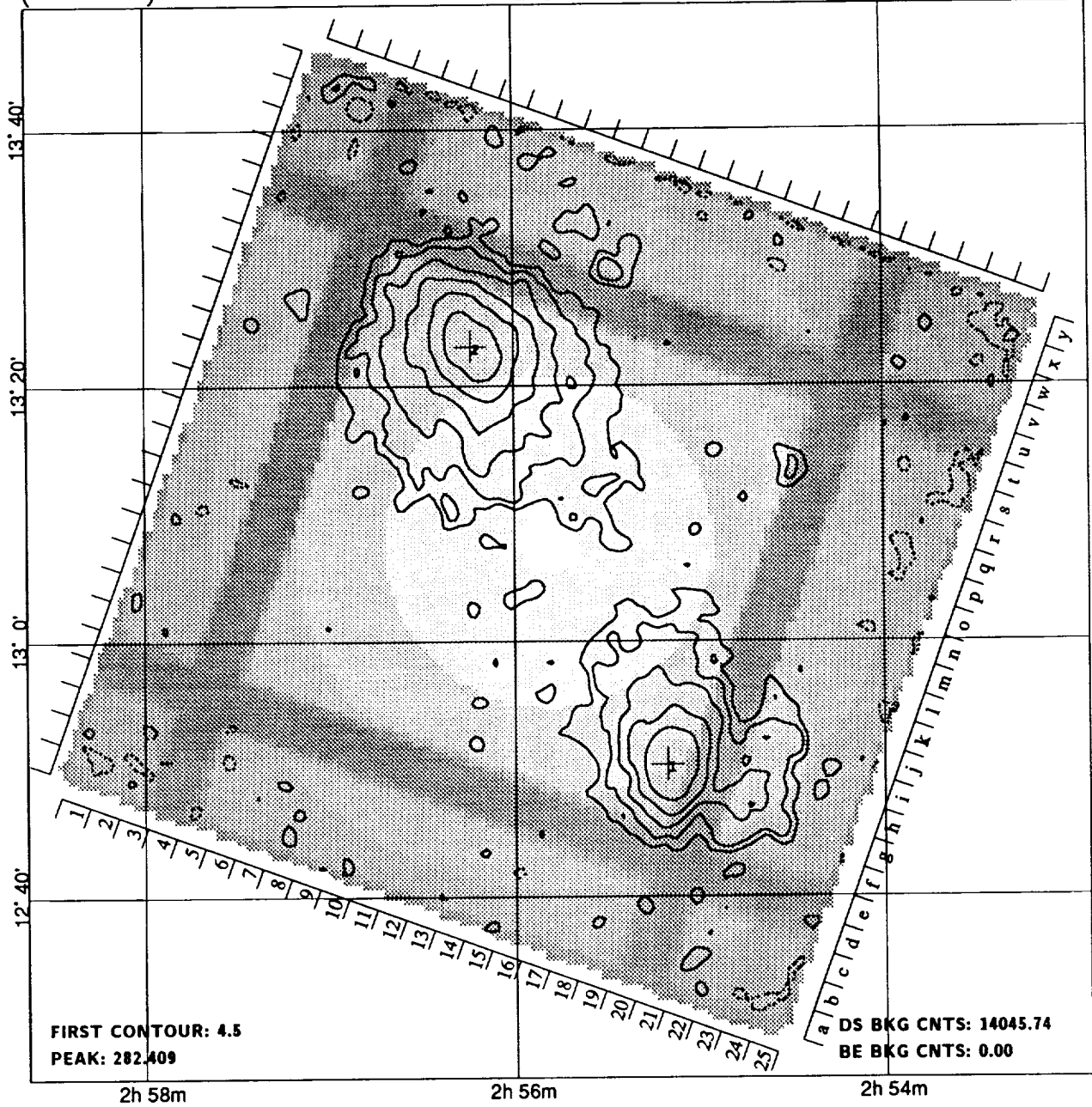
NH: $1.1E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	FLG
684	1	02 55 13.3	20 27 52	31	0.0272	0.0030	95.8	14.2	9.1	1.3	0	0.4	H	S
685	2	02 55 19.2	20 18 12	41	0.0142	0.0024	44.5	12.5	5.9	0.9	0	9.8	H	
690	3	02 57 08.2	20 27 29	55	0.0118	0.0031	21.3	9.7	3.8	1.1	0	27.1	H	

(2h 55m)

I 3458

(2h 55m)



A399-A401 REGION

FIELD CENTER: 02^h 55^m 45.6^s 13° 07' 47" (B1950)
 02^h 58^m 30.3^s 13° 19' 45" (J2000)
 $l: 164.27$ $b: -39.14$

DATE: 1979/210 - 1979/229
 LIVETIME: 11381.6s
 ROLL ANGLE: -70.2°

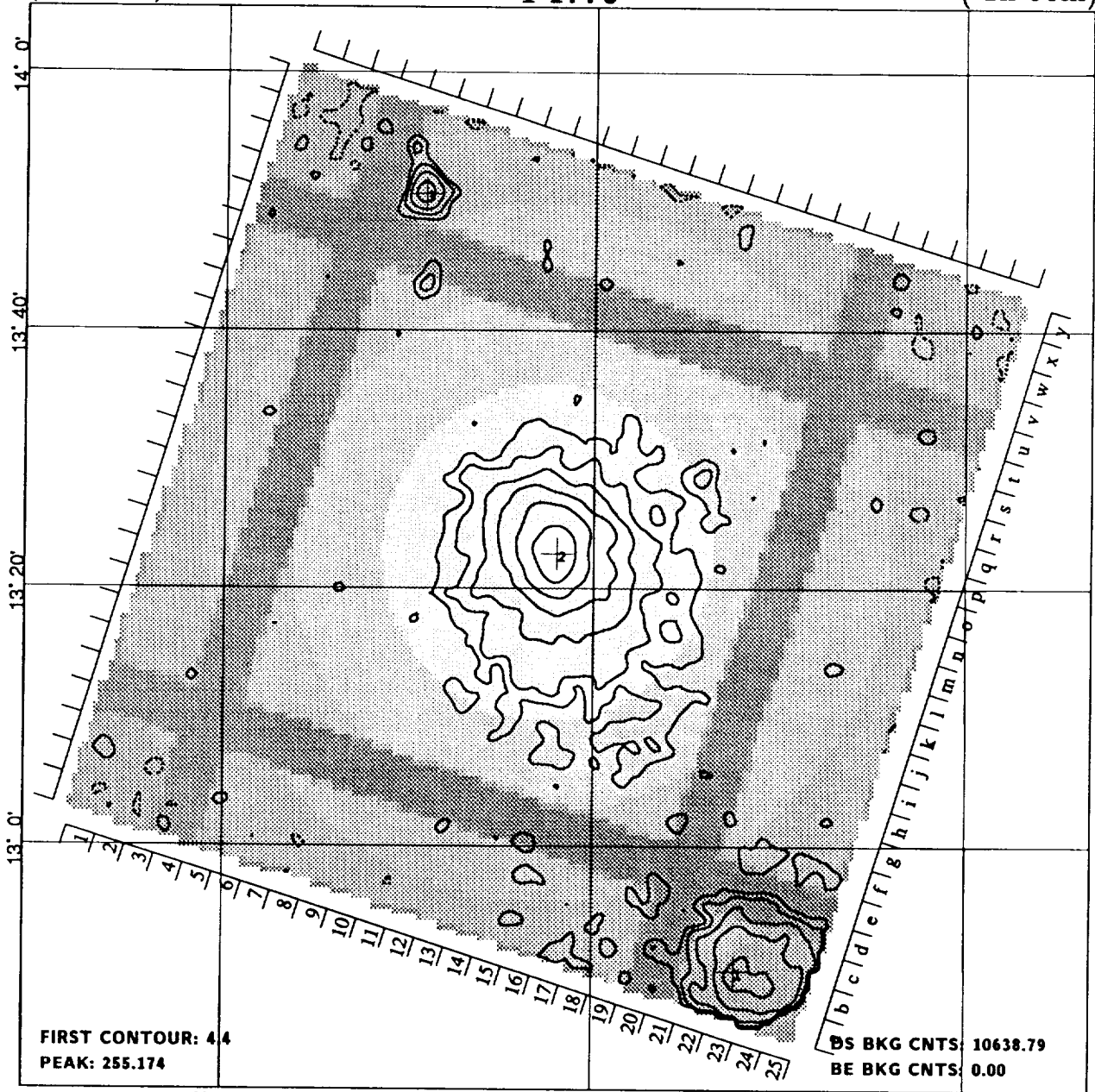
NH: 1.1E+21
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
682	1L	02 55 10.5	12 50 20	47	0.0230	0.0053	134.9	408.1	4.3	6.1	300	19.5	A	CLG
687	2L	02 56 14.0	13 23 02	47	0.0620	0.0068	400.4	779.6	9.1	6.6	0	16.7	A	CLG

(2h 56m)

I 1776

(2h 56m)



A401: STUDY, CLUSTERS OF GALAXIES

FIELD CENTER: 02^h56^m12.0^s 13°22'59" (B1950)
 02^h58^m56.9^s 13°34'56" (J2000)
 l : 164.18 b : -38.87

DATE: 1979/205 - 1979/205
 LIVETIME: 8620.9s
 ROLL ANGLE: -72.5°

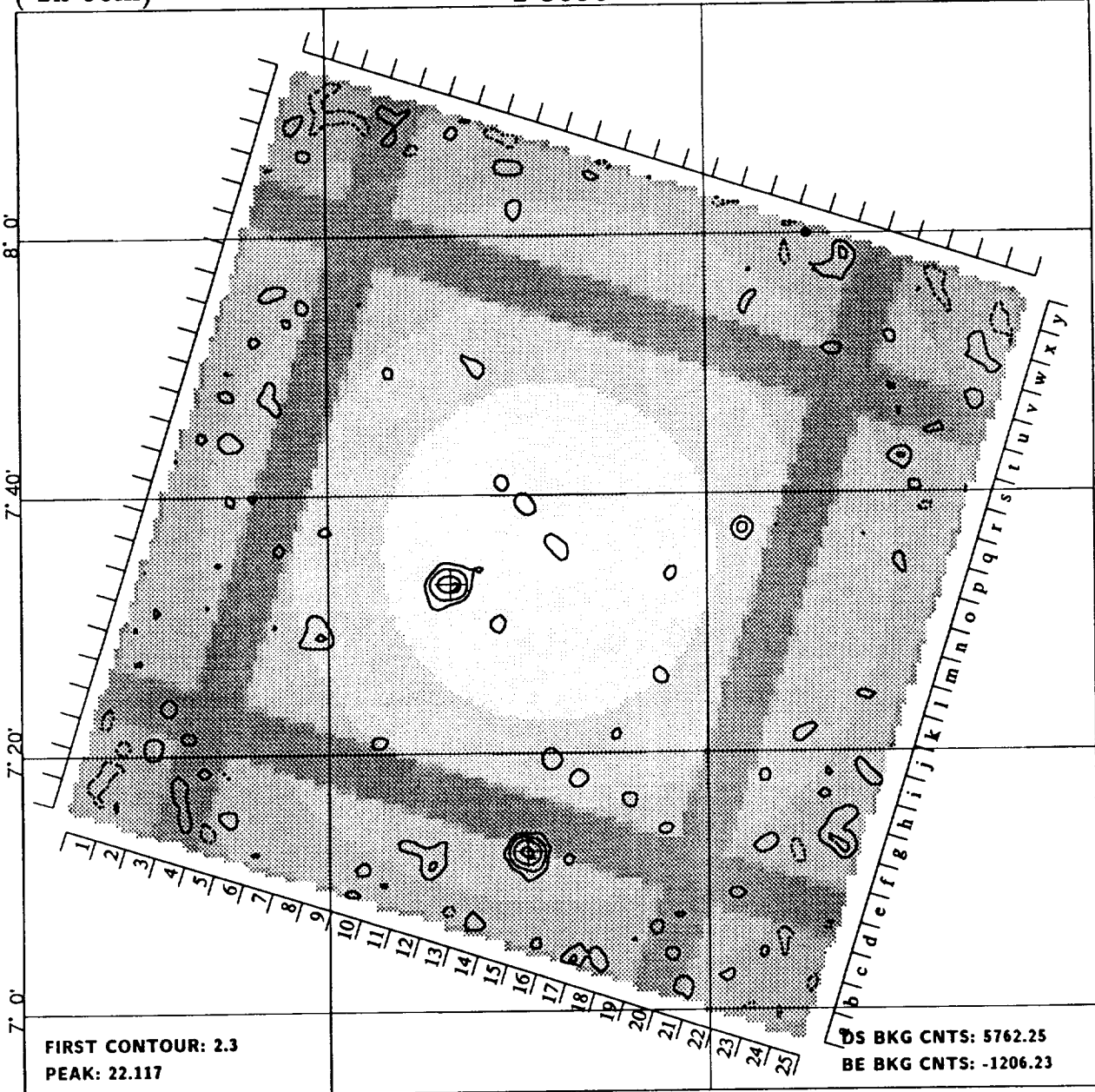
NH: 1.1E+21
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
682	1L	02 55 13.9	12 50 17	48	0.0327	0.0075	72.7	104.3	4.3	5.4	0	35.6	A	CLG
687	2L	02 56 12.0	13 22 43	31	0.0869	0.0071	557.4	778.6	12.1	6.2	0	0.2	A	CLG
688	3L	02 56 55.3	13 50 37	50	0.0280	0.0041	86.2	26.8	6.7	1.3	300	29.6		

(2h 56m)

I 5698

(2h 56m)



BL LAC OBJECT

FIELD CENTER: $02^h 56^m 47.0^s$ $07^\circ 35' 44''$ (B1950)
 $02^h 59^m 27.1^s$ $07^\circ 47' 39''$ (J2000)
 $l: 169.12$ $b: -43.31$

DATE: 1980/214 - 1980/214
 LIVETIME: 4669.3s
 ROLL ANGLE: -72.6°

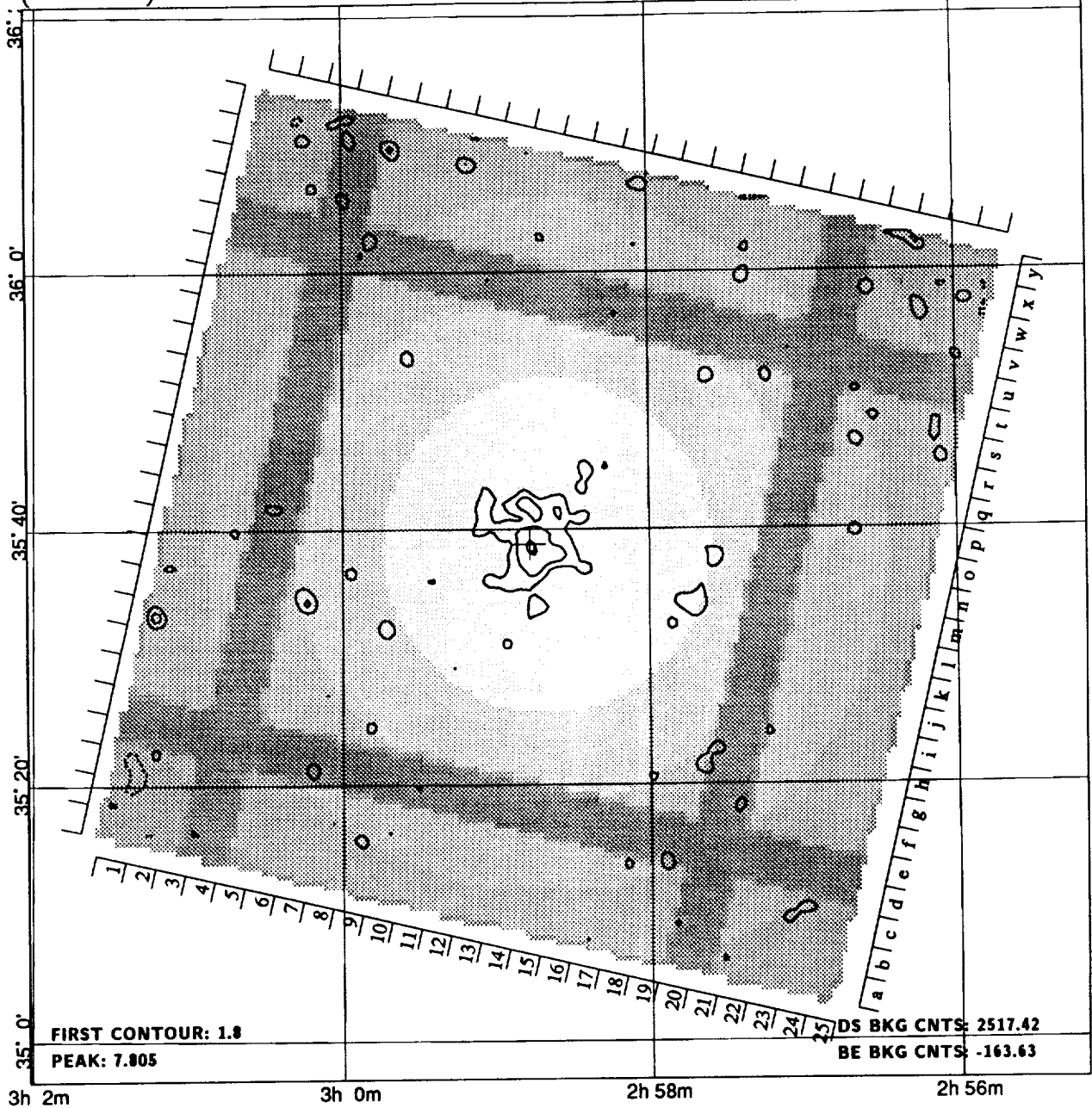
NH: $1.1E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
689	1	02 56 57.3	07 12 20	50	*0.0230	0.0035	49.2	5.8	6.6	0.9	804	23.5	H
691	2	02 57 21.3	07 33 09	41	0.0148	0.0024	47.4	11.6	6.2	1.0	0	9.0	H S

(2h 58m)

I 1825

(2h 58m)



A407: X-RAY STUDY OF CLUSTERS OF GALAXIES

FIELD CENTER: 02^h58^m36.0^s 35°38'59" (B1950)
 03^h01^m43.8^s 35°50'47" (J2000)
 l : 150.59 b : -19.93

DATE: 1979/213 - 1979/213
 LIVETIME: 2039.9s
 ROLL ANGLE: -77.0°

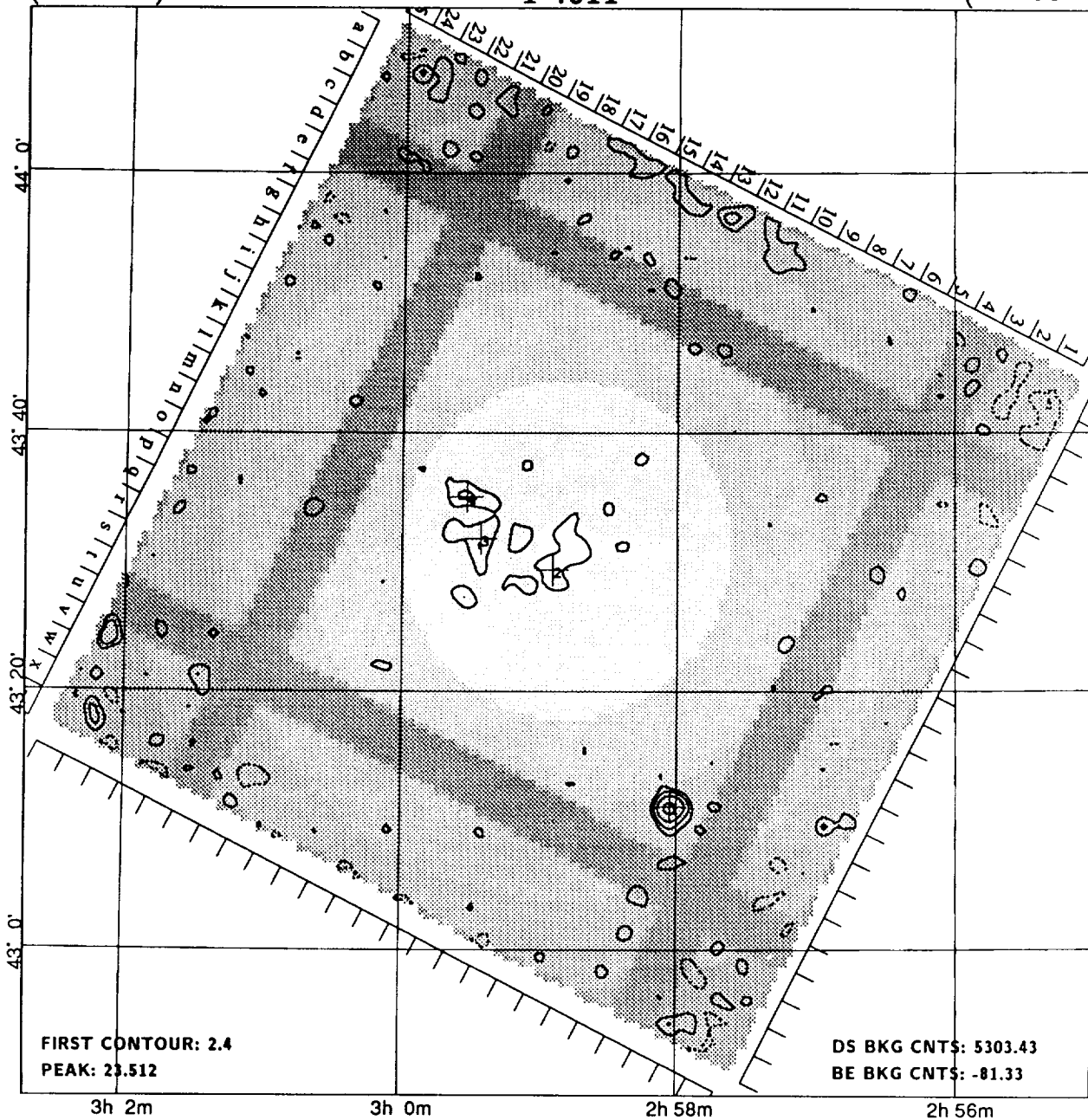
NH: 9.8E+20
 REF/ID:
 FIELD FLAGS: D

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
698	1	02 58 46.9	35 38 50	36	0.0241	0.0043	36.3	5.7	5.6	3.5	0	2.5	H	CLG

(2h 58m)

I 4611

(2h 58m)



POOR ZWICKY CLUSTER: 0258+435

FIELD CENTER: 02^h58^m52.0^s 43°30'41" (B1950)
 03^h02^m10.8^s 43°42'28" (J2000)
 l : 146.56 b : -13.08

DATE: 1980/ 52 - 1980/ 52

NH: 1.4E+21

LIVETIME: 4297.5s

REF/ID: G

ROLL ANGLE: 116.9°

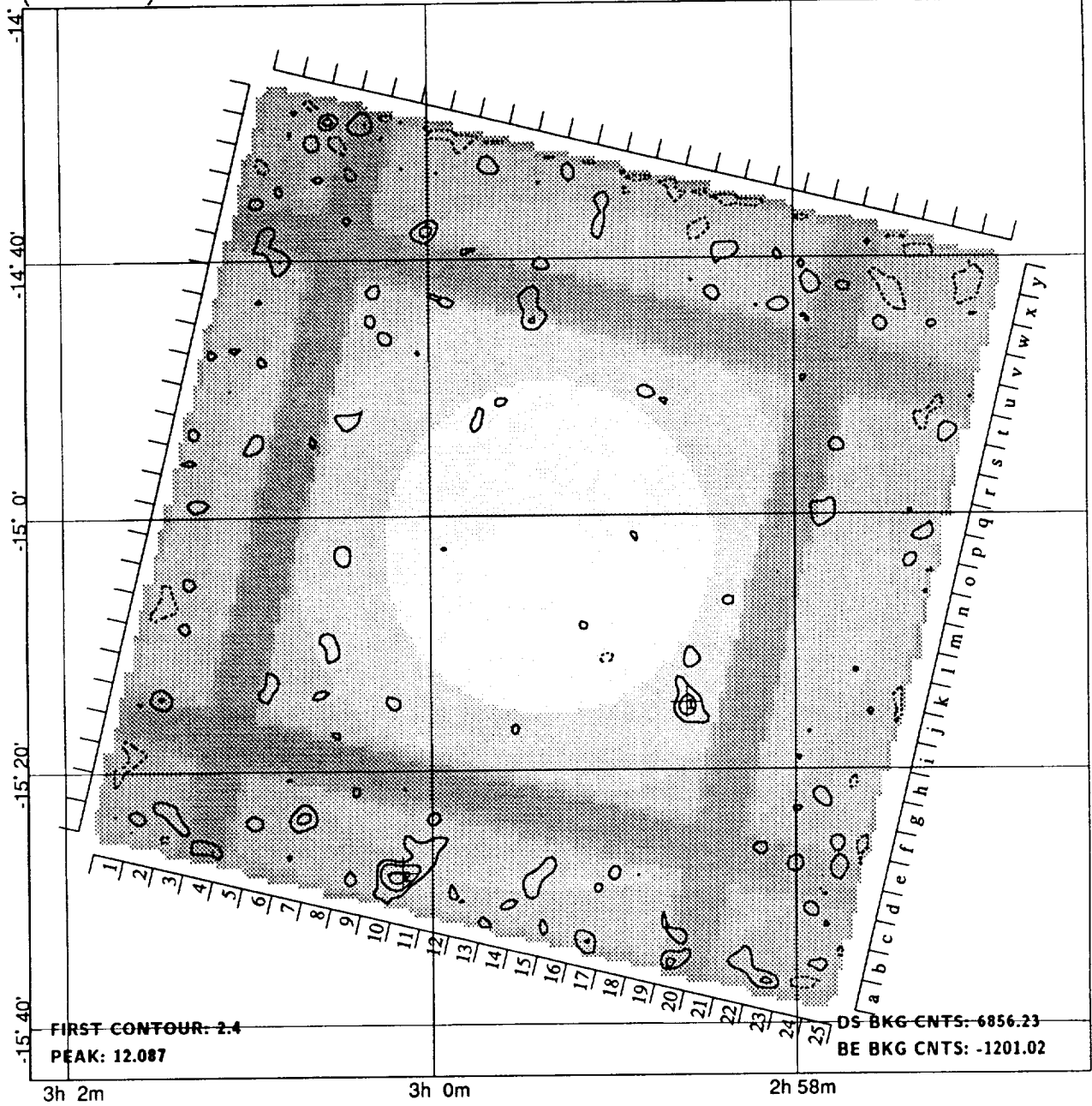
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
694	1	02 58 02.8	43 11 03	50	0.0241	0.0037	50.1	8.9	6.5	0.9	0	21.5	H	
699	2	02 58 54.2	43 29 23	41	0.0068	0.0018	21.4	12.6	3.7	1.6	0	1.3		
701	3	02 59 25.7	43 31 46	45	0.0074	0.0019	22.1	11.9	3.8	1.2	0	6.3	H	
702	4	02 59 31.8	43 35 03	47	0.0068	0.0019	19.8	11.2	3.6	1.1	0	9.4		

(2h 59m)

I 9183

(2h 59m)



ELLIPTICAL & OTHER ISOLATED GALAXIES: NGC 1175

FIELD CENTER: $02^{\text{h}}59^{\text{m}}18.0^{\text{s}}$ $-15^{\circ}01'59''$ (B1950)
 $03^{\text{h}}01^{\text{m}}39.1^{\text{s}}$ $-14^{\circ}50'12''$ (J2000)
 $l: 197.50$ $b: -57.34$

DATE: 1980/223 - 1980/223
 LIVETIME: 5555.8s
 ROLL ANGLE: -76.6°

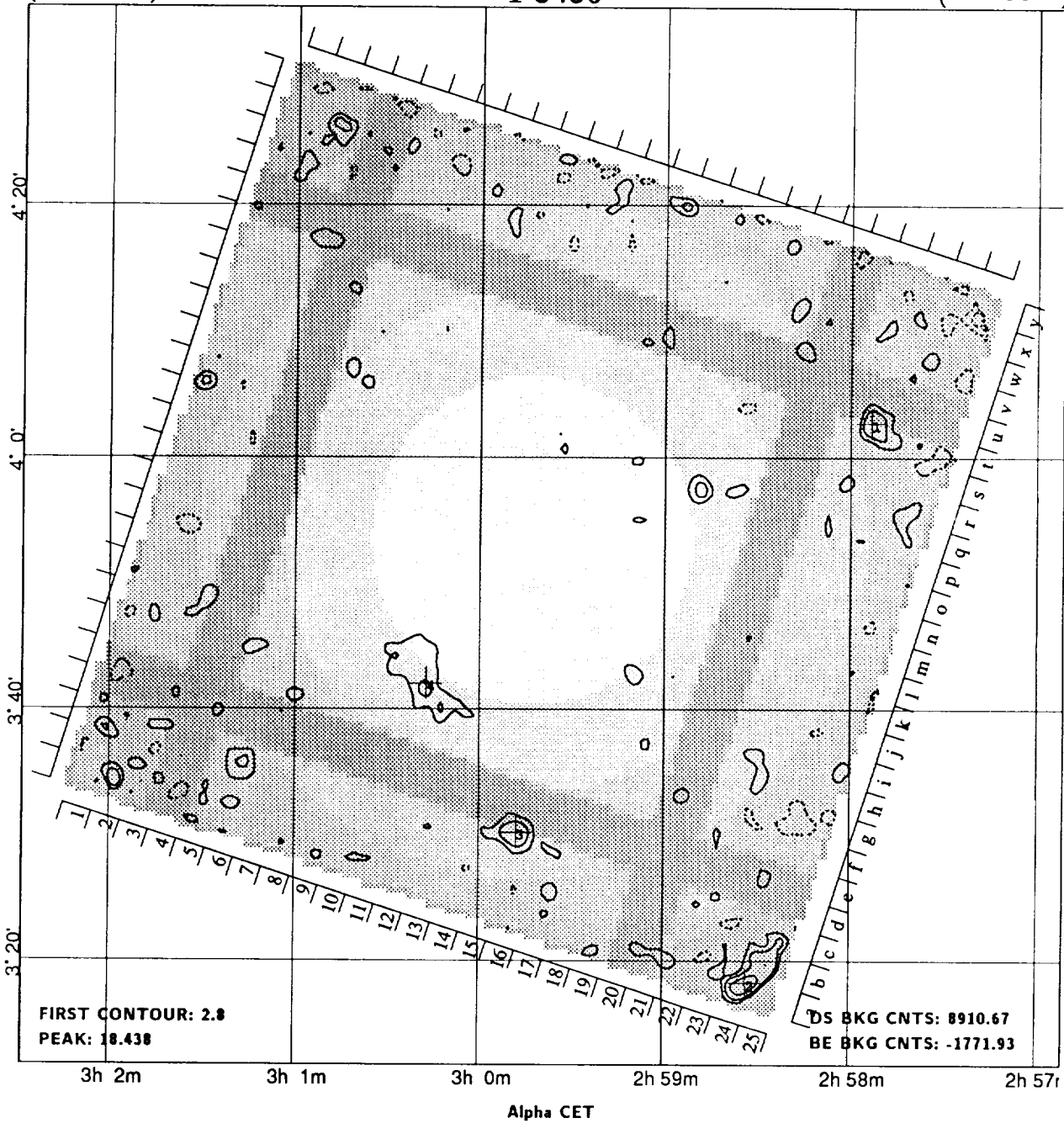
NH: $4.6\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
697	1	02 58 35.8	-15 14 44	55	0.0059	0.0017	18.7	9.3	3.5	0.9	0	16.1	H
704	2	03 00 09.8	-15 28 06	55	0.0106	0.0026	22.5	8.5	4.0	1.4	0	28.9	H

(2h 59m)

I 5450

(2h 59m)



FIELD CENTER: $02^h 59^m 39.8^s$ $03^\circ 53' 40''$ (B1950)
 $03^h 02^m 16.9^s$ $04^\circ 05' 26''$ (J2000)
 $l: 173.32$ $b: -45.59$

DATE: 1980/213 - 1980/214
 LIVETIME: 7220.6s
 ROLL ANGLE: -72.3°

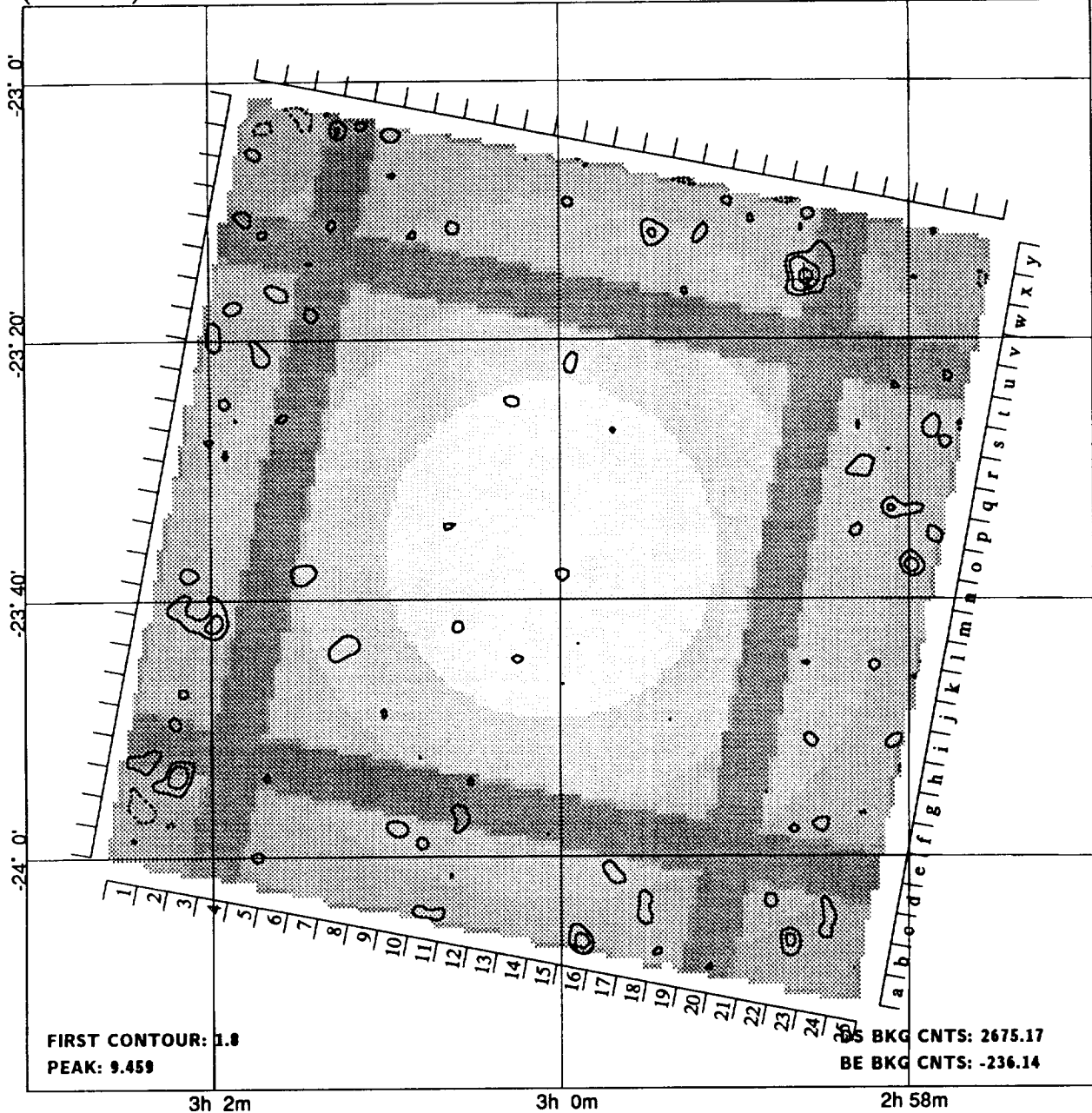
NH: $8.7E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
692	1	02 57 53.3	04 02 47	55	*0.0078	0.0021	20.7	9.3	3.8	1.0	805	27.8	H
695	2	02 58 33.2	03 18 16	56	0.0150	0.0040	20.1	8.9	3.7	1.6	0	39.1	H
703	3	02 59 47.8	03 30 12	51	*0.0085	0.0019	28.0	10.0	4.5	1.0	805	23.4	H
705	4	03 00 17.4	03 42 04	55	0.0051	0.0014	22.1	13.9	3.7	2.8	0	15.6	H

(3h 0m)

I 7525

(3h 0m)



UNIDENTIFIED HEAO2 SOURCE

FIELD CENTER: 03^h00^m00.0^s -23°35'59" (B1950)
 03^h02^m13.1^s -23°24'14" (J2000)
 l : 213.09 b : -60.28

DATE: 1980/225 - 1980/225
 LIVETIME: 2167.8s
 ROLL ANGLE: -79.2°

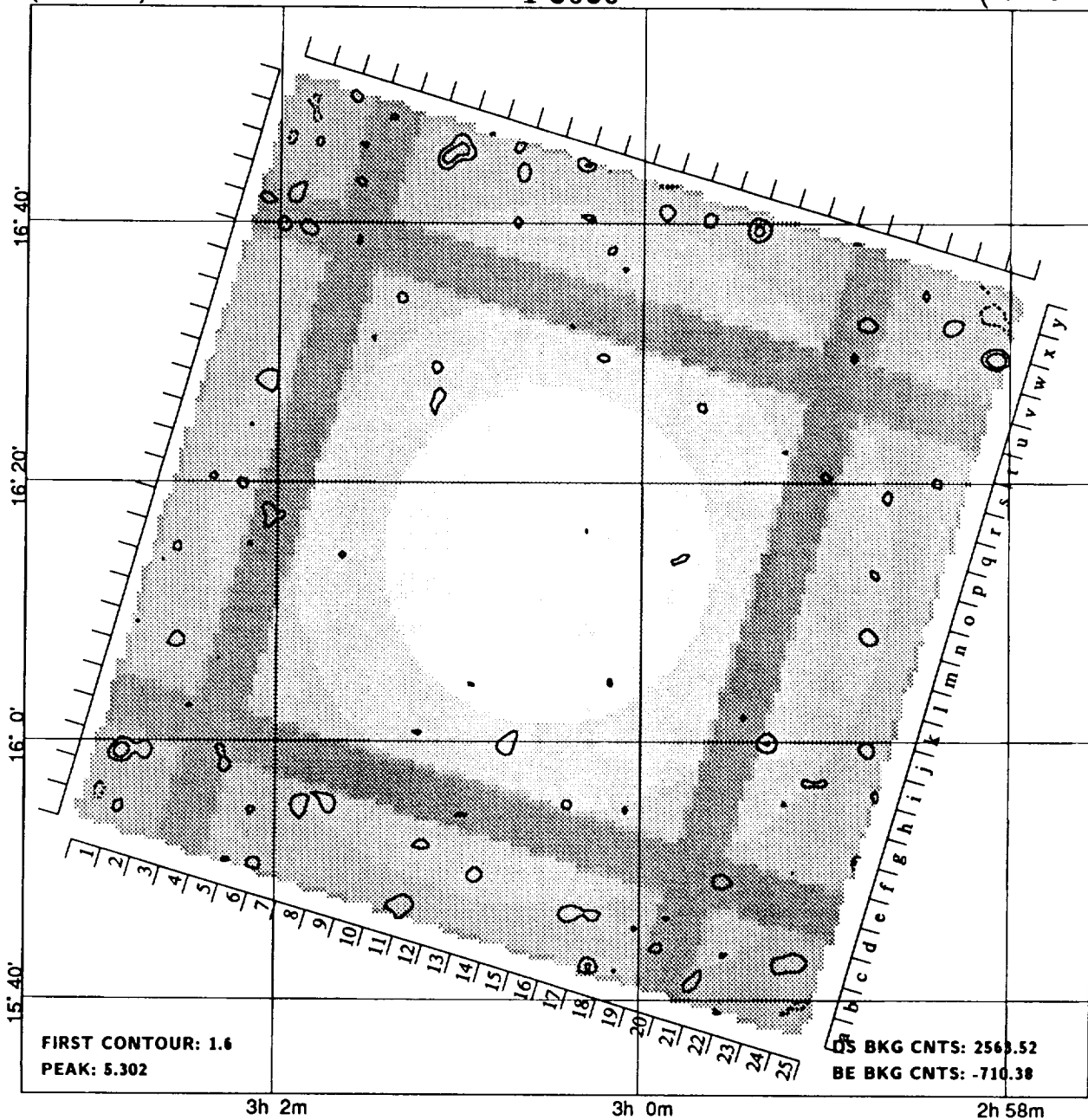
NH: 1.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
696	1	02 58 35.8	-23 15 28	55	*0.0234	0.0059	18.6	3.4	4.0	1.1	703	28.3	H

(3h 0m)

I 3080

(3h 0m)



RADIO SOURCES WITH STEEP SPECTRA: 3C76.1

FIELD CENTER: $03^h 00^m 27.4^s$ $16^\circ 14' 35''$ (B1950)
 $03^h 03^m 15.1^s$ $16^\circ 26' 18''$ (J2000)
 $l: 163.07$ $b: -35.96$

DATE: 1979/214 - 1979/214
LIVETIME: 2077.3s
ROLL ANGLE: -73.6°

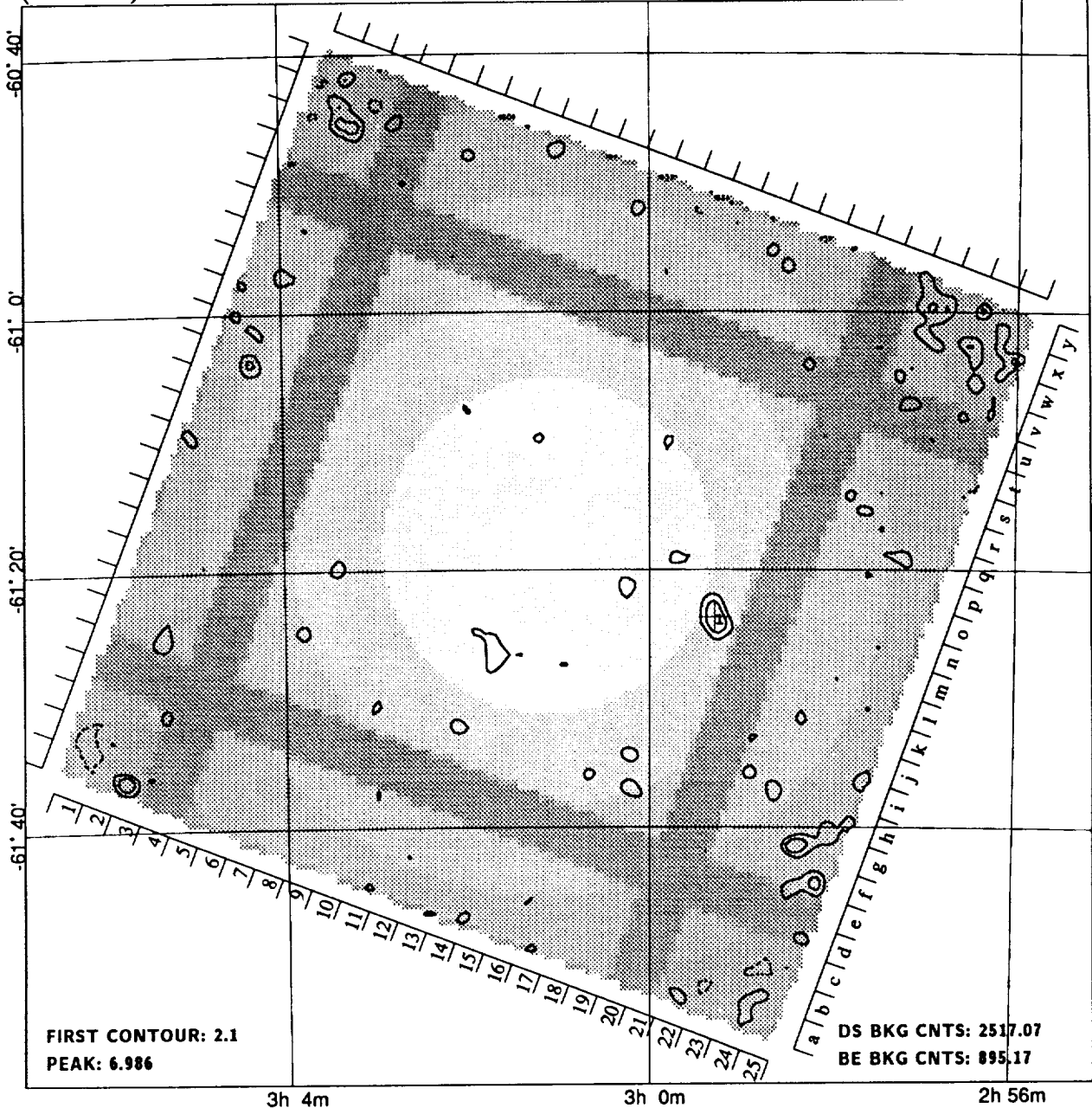
NH: $1.0E+21$
REF/ID:
FIELD FLAGS:

C-6

(3h 1m)

I 6663

(3h 1m)



FIRST CONTOUR: 2.1
PEAK: 6.986

DS BKG CNTS: 2517.07
BE BKG CNTS: 895.17

DUUS AND NEWELL, SURVEY OF GROUPS OF GALAXIES

FIELD CENTER: $03^h 01^m 00.0^s$ $-61^\circ 17' 59''$ (B1950)
 $03^h 02^m 07.2^s$ $-61^\circ 06' 15''$ (J2000)
 $l: 279.21$ $b: -49.57$

DATE: 1980/205 - 1980/205
LIVETIME: 2039.6s
ROLL ANGLE: -69.4°

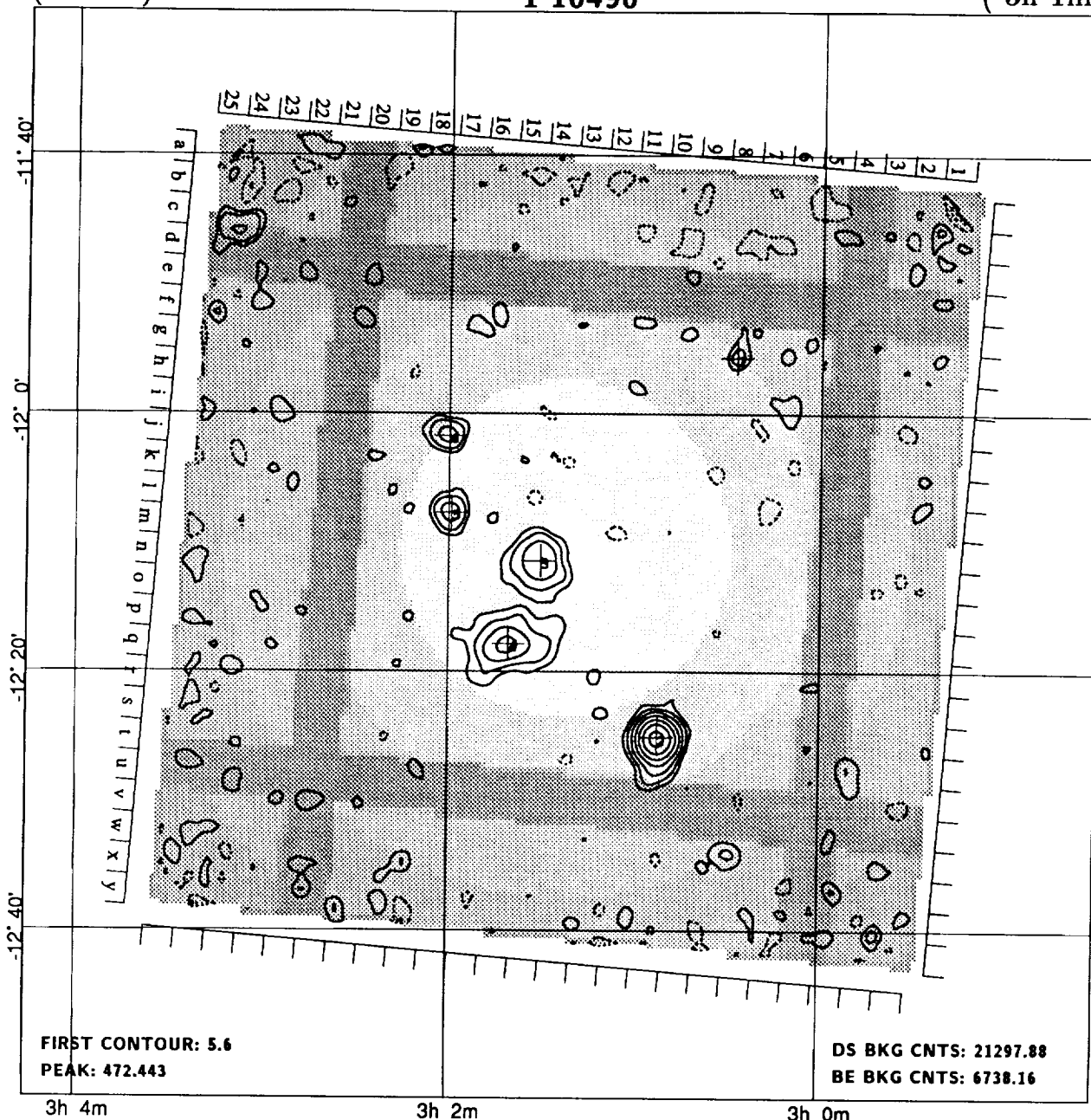
NH: $3.3E+20$
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
700	1	02 59 16.8	-61 23 40	44	0.0169	0.0043	20.8	7.2	3.9	0.9	200	13.7	H

(3h 1m)

I 10490

(3h 1m)



WP8.CLUSTER

FIELD CENTER: 03^h01^m24.0^s -12°10'59" (B1950)
 03^h03^m47.5^s -11°59'19" (J2000)
 l : 193.46 b : -55.50

DATE: 1981/ 55 - 1981/ 56
 LIVETIME: 17258.3s
 ROLL ANGLE: 94.7°

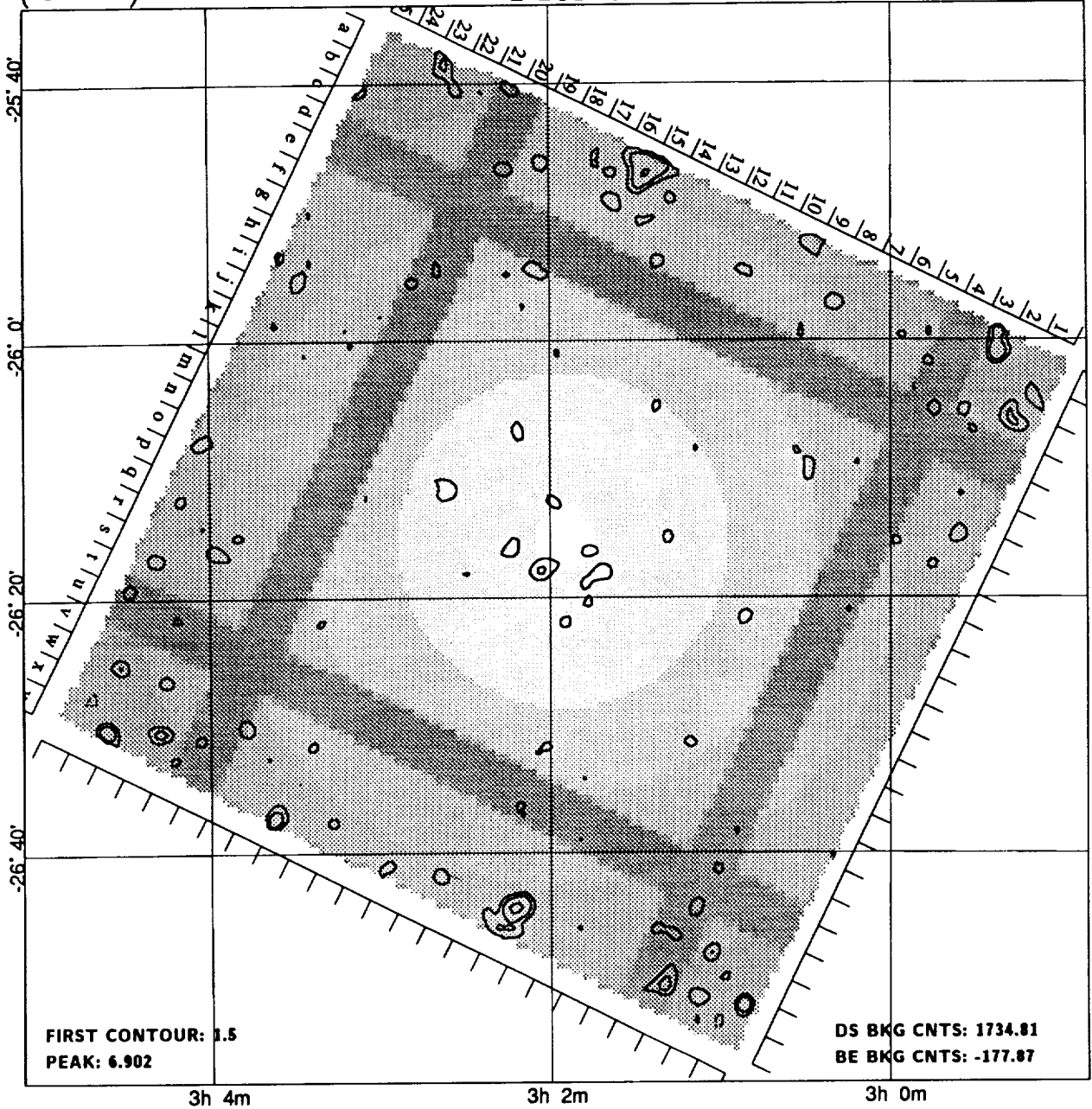
NH: 5.4E+20
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
706	1L	03 00 27.3	-11 55 39	51	0.0056	0.0013	49.4	39.6	4.2	0.7	0	20.7	
707	2L	03 00 52.2	-12 25 00	47	0.1276	0.0041	1258.0	75.0	30.7	1.1	0	16.0	
709	3L	03 01 30.2	-12 11 24	31	0.0129	0.0016	163.9	130.1	7.7	1.6	0	1.6	
710	4L	03 01 40.4	-12 17 50	38	0.0134	0.0018	157.8	127.2	7.6	2.0	0	8.1	
712	5L	03 01 59.1	-12 07 38	38	0.0118	0.0014	136.7	57.3	8.2	0.9	0	9.2	
713	6L	03 01 59.9	-12 01 41	39	0.0099	0.0014	106.8	56.2	6.9	0.9	0	12.7	

(3h 1m)

I 10116

(3h 1m)



NGC 1201, ACTIVE S0 GALAXIES

FIELD CENTER: $03^h 01^m 58.0^s$ $-26^\circ 15' 53''$ (B1950)
 $03^h 04^m 08.2^s$ $-26^\circ 04' 14''$ (J2000)
 $l: 218.54$ $b: -60.40$

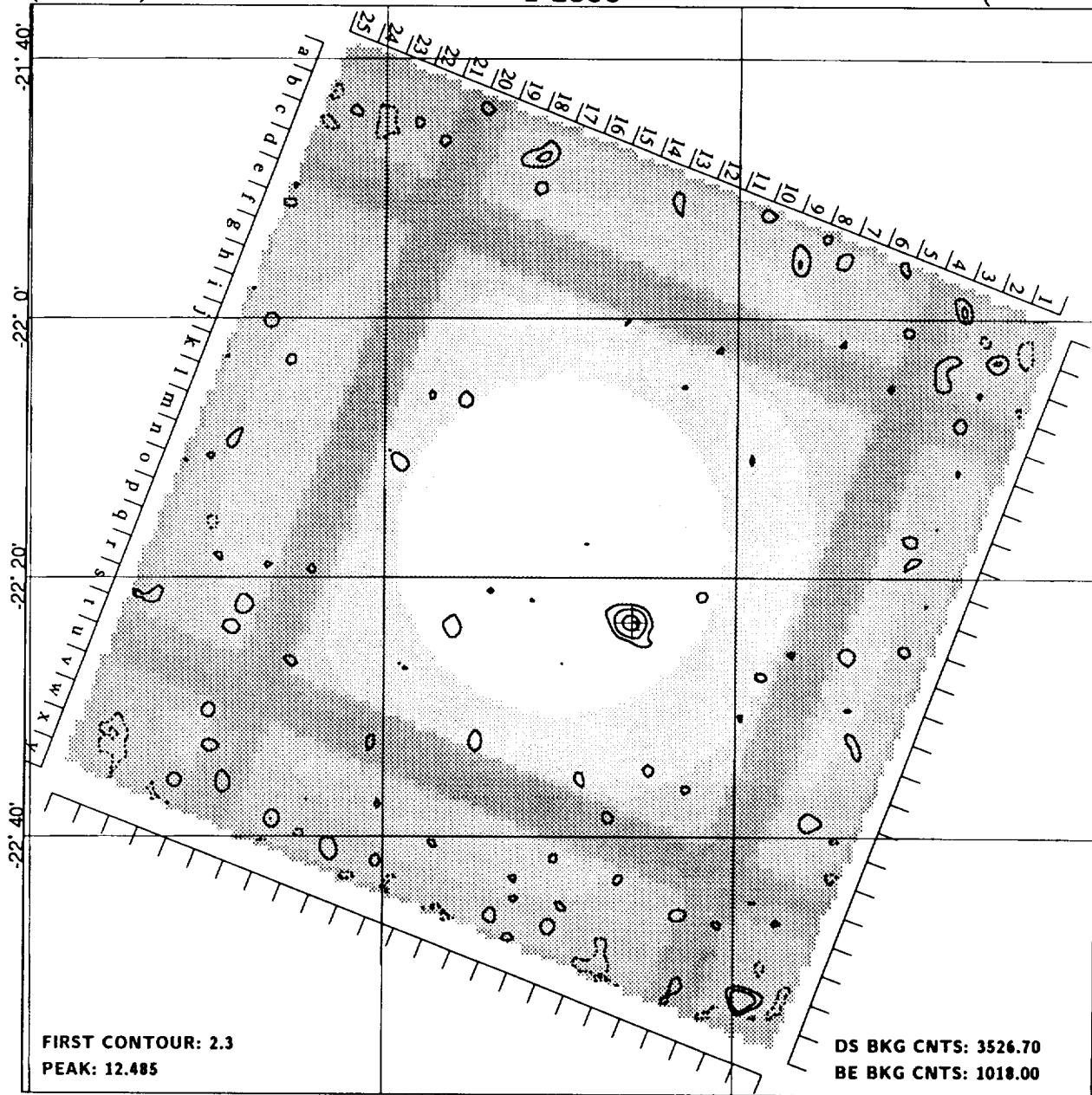
DATE: 1981/ 16 - 1981/ 16
 LIVETIME: 1405.8s
 ROLL ANGLE: 116.1°

NH: $1.5E+20$
 REF/ID:
 FIELD FLAGS:

(3h 3m)

I 2338

(3h 3m)



3h 6m

3h 4m

3h 2m

SOUTHERN HEMISPHERE SURVEY :4U0302-22

FIELD CENTER: $03^h 03^m 00.0^s$ $-22^\circ 17' 59''$ (B1950)
 $03^h 05^m 14.1^s$ $-22^\circ 06' 23''$ (J2000)
 $l: 210.96$ $b: -59.27$

DATE: 1979/ 24 - 1979/ 30
 LIVETIME: 2857.8s
 ROLL ANGLE: 111.2°

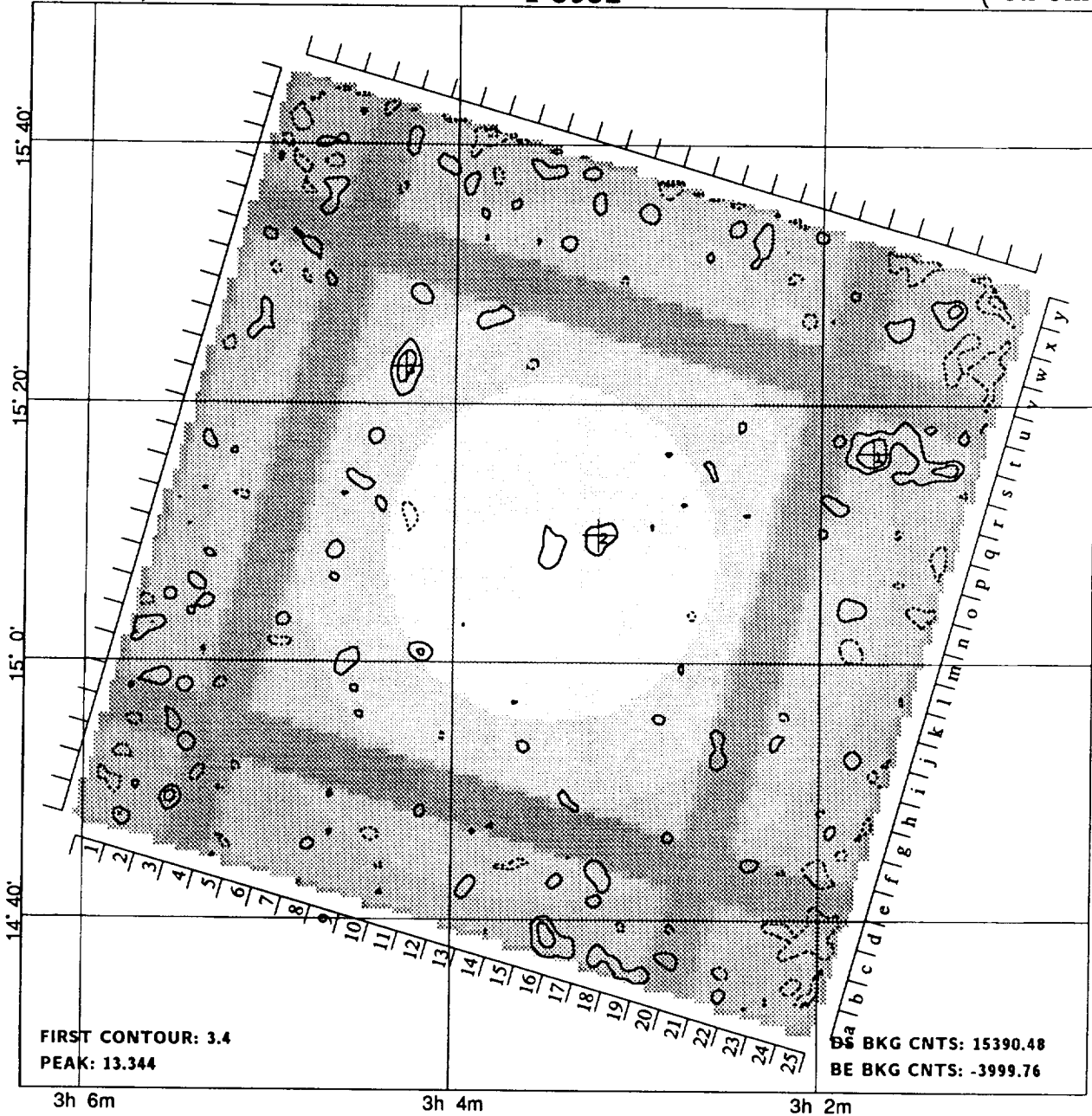
NH: 1.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC	ID
715	1	03 02 35.2	-22 23 29	41	0.0199	0.0036	39.0	11.0	5.5	1.0	0	7.9	H	AGN

(3h 3m)

I 3952

(3h 3m)



CLUSTER EVOLUTION (Z=0.7)

FIELD CENTER: 03^h03^m25.9^s 15°08'46" (B1950)
 03^h06^m12.8^s 15°20'20" (J2000)
 $l: 164.59$ $b: -36.40$

DATE: 1979/225 - 1979/228
 LIVETIME: 12471.3s
 ROLL ANGLE: -74.1°

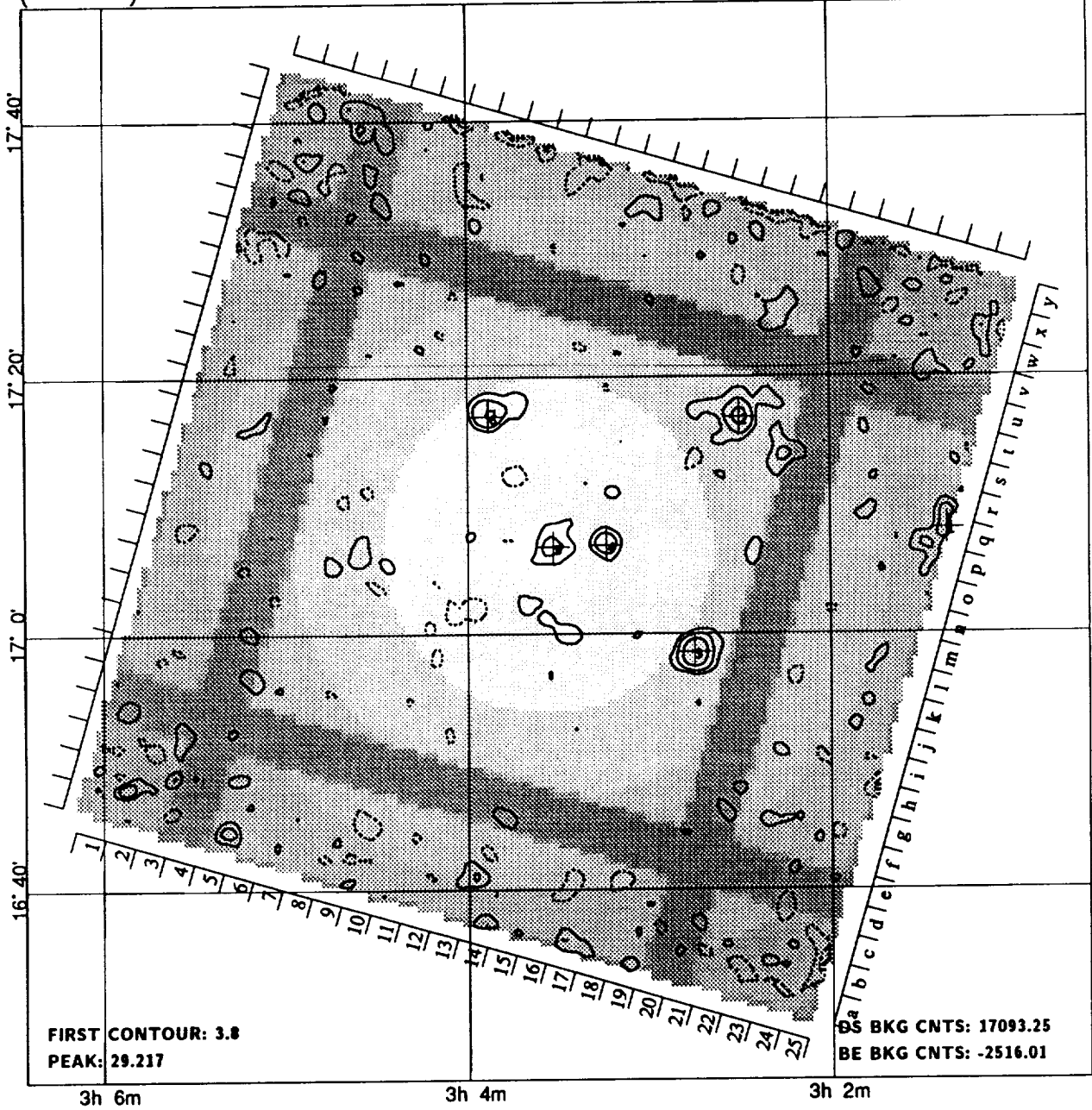
NH: 1.1E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
711	1	03 01 43.0	15 16 14	54	0.0063	0.0014	31.8	16.2	4.6	1.8	200	25.8	H
717	2	03 03 12.6	15 09 50	43	0.00255	0.00073	23.0	20.0	3.5	0.6	0	3.5	H
722	3	03 04 16.4	15 22 52	55	0.0041	0.0010	27.2	20.8	3.9	1.1	0	19.1	H

(3h 3m)

I 6830

(3h 3m)



C1 0303+17, OBSERVATIONS OF VERY DISTANT CLUSTERS

FIELD CENTER: $03^h 03^m 30.1^s$ $17^{\circ} 07' 06''$ (B1950)
 $03^h 06^m 18.8^s$ $17^{\circ} 18' 40''$ (J2000)
 $l: 163.14$ $b: -34.82$

DATE: 1980/212 - 1980/212
 LIVETIME: 13851.1s
 ROLL ANGLE: -74.0°

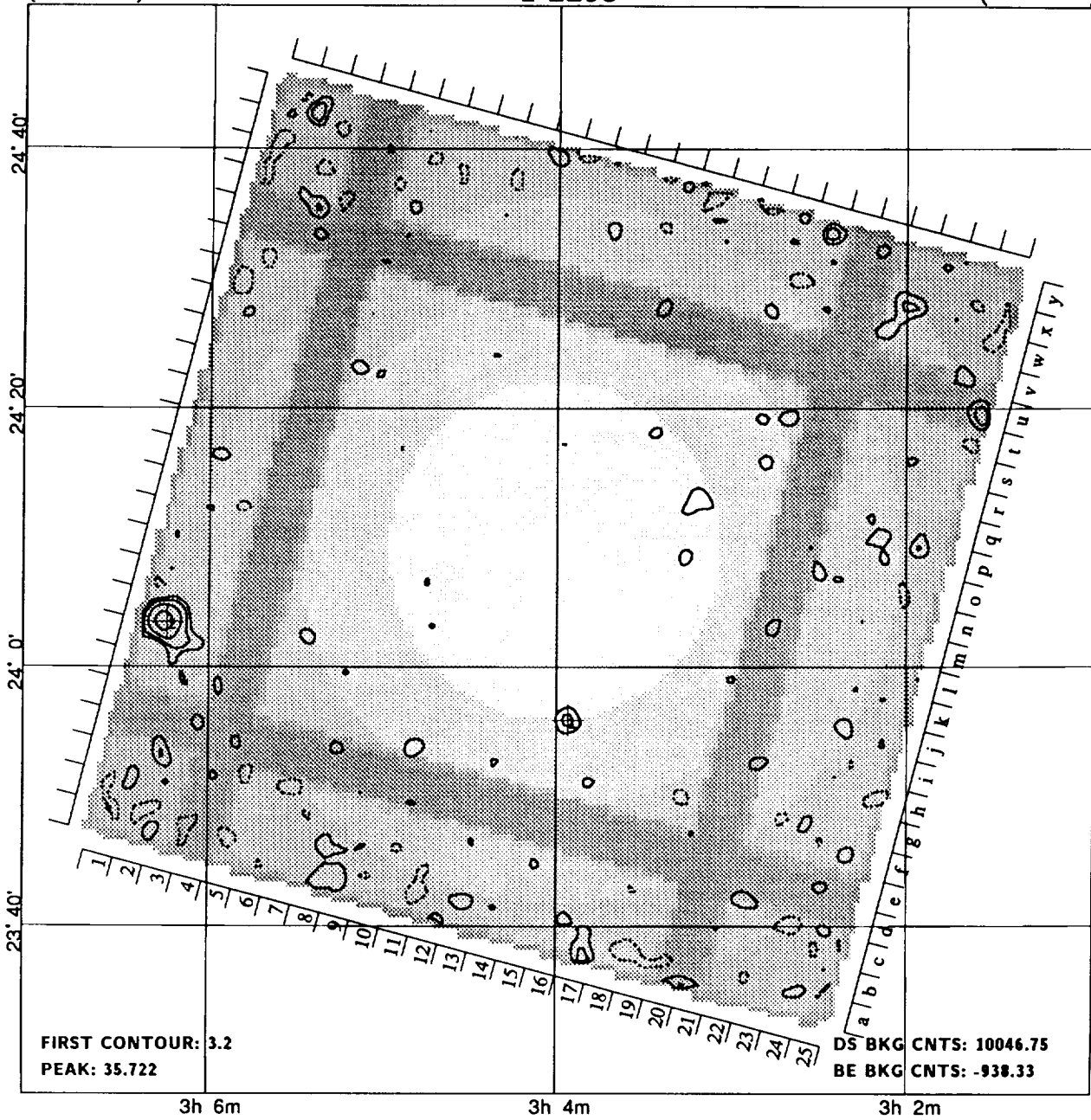
NH: $1.0E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
708	1	03 01 21.5	17 08 10	50	*0.0141	0.0026	42.4	20.6	5.3	1.8	806	30.8	EH	
714	2	03 02 30.0	17 16 51	50	0.0075	0.0012	56.2	21.8	6.4	1.4	0	17.4	H	CLG
716	3	03 02 45.2	16 58 32	38	0.0123	0.0014	102.9	27.1	9.0	1.0	0	13.6	H	CLG
718	4	03 03 14.1	17 06 55	35	0.00450	0.00088	44.7	32.3	5.1	0.7	0	3.9		
719	5	03 03 31.7	17 06 47	36	0.00447	0.00087	46.1	33.9	5.2	1.0	0	0.4		
720	6	03 03 53.2	17 16 58	41	0.0071	0.0011	64.0	31.0	6.6	1.1	0	11.3	H	S

(3h 4m)

I 2295

(3h 4m)



STELLAR SURVEY-YOUNG CLUSTER STARS: PLEIADES

FIELD CENTER: 03^h04^m00.0^s 24°08'59" (B1950)
 03^h06^m55.5^s 24°20'31" (J2000)
 l : 158.44 b : -29.03

DATE: 1979/212 - 1979/213
 LIVETIME: 8141.1s
 ROLL ANGLE: -75.3°

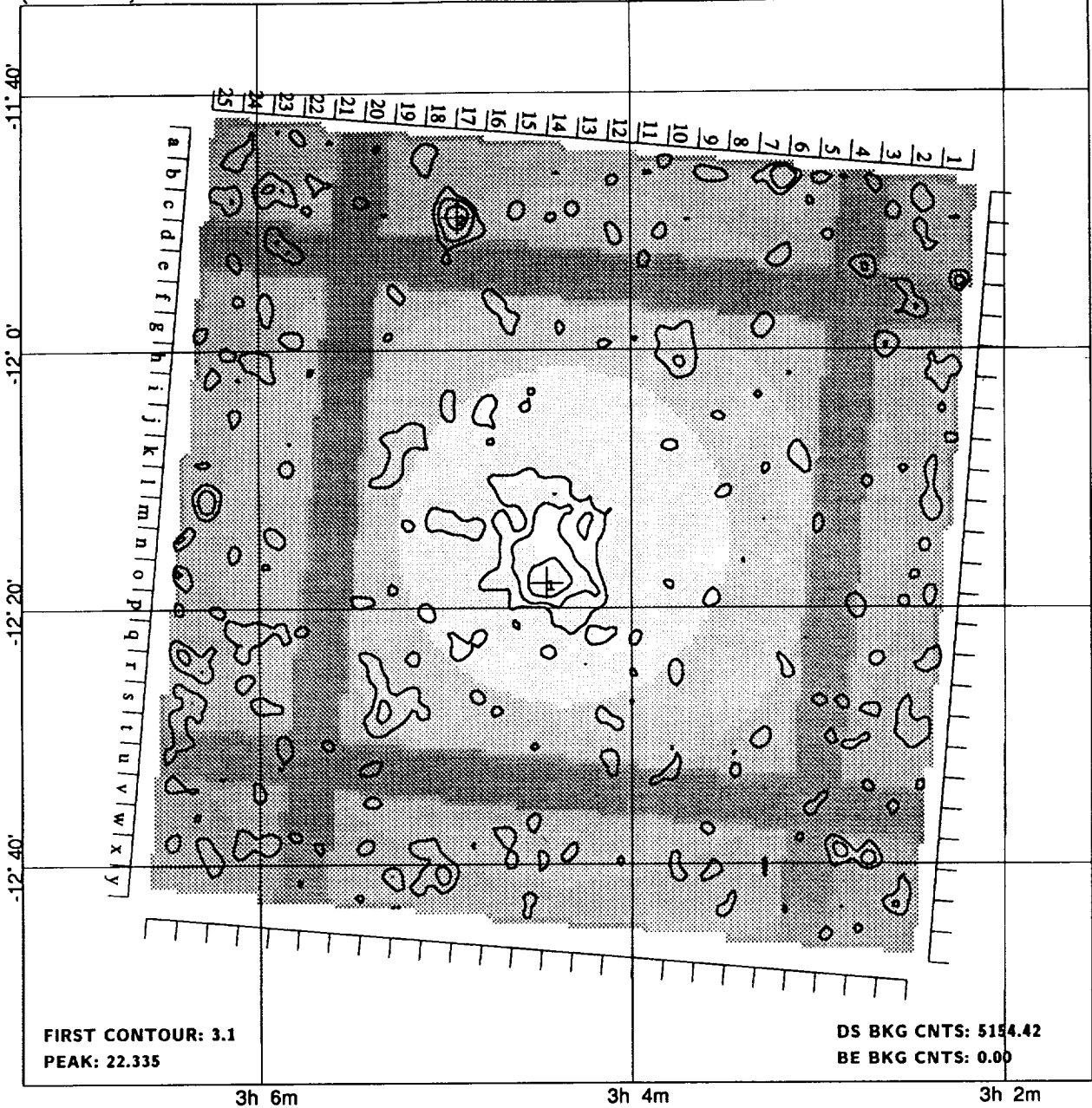
NH: 1.1E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID
721	1	03 03 56.0	23 55 54	45	0.0047	0.0012	23.6	16.4	3.7	0.6	0	13.0		
729	2	03 06 14.4	24 03 28	50	0.0224	0.0032	60.8	14.2	7.0	1.1	300	31.3	H	

(3h 4m)

I 6129

(3h 4m)



A 415, DETAILED STUDY OF NEARBY CLUSTERS

FIELD CENTER: $03^h 04^m 24.0^s$ $-12^\circ 14' 59''$ (B1950)
 $03^h 06^m 47.3^s$ $-12^\circ 03' 28''$ (J2000)
 $l: 194.22$ $b: -54.90$

DATE: 1981/ 55 - 1981/ 55
 LIVETIME: 4176.8s
 ROLL ANGLE: 94.9°

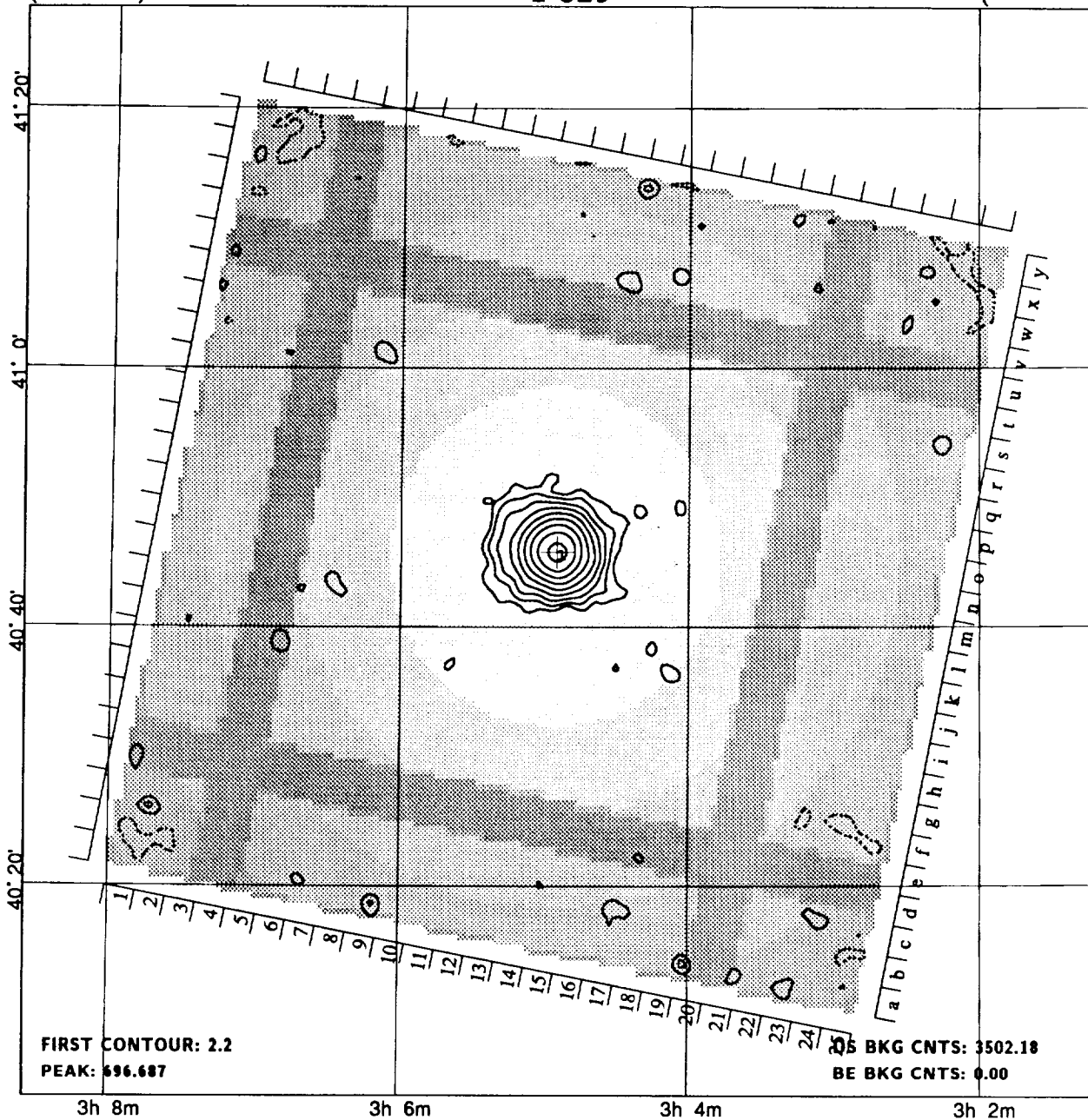
NH: $5.6E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
723	1L	03 04 27.4	-12 18 01	32	0.0191 0.0044	57.7	59.3	4.2	4.4	0	3.2	
725	2L	03 04 55.9	-11 49 40	51	*0.0253 0.0051	43.5	11.5	4.8	1.2	601	25.9	

(3h 4m)

I 829

(3h 4m)



BETA PER (ALGOL) STELLAR OBSERVATIONS, B STARS

FIELD CENTER: 03^h04^m54.4^s 40°45'51" (B1950)
 03^h08^m10.2^s 40°57'19" (J2000)
 l : 148.98 b : -14.90

DATE: 1979/214 - 1979/214
 LIVETIME: 2837.9s
 ROLL ANGLE: -79.1°

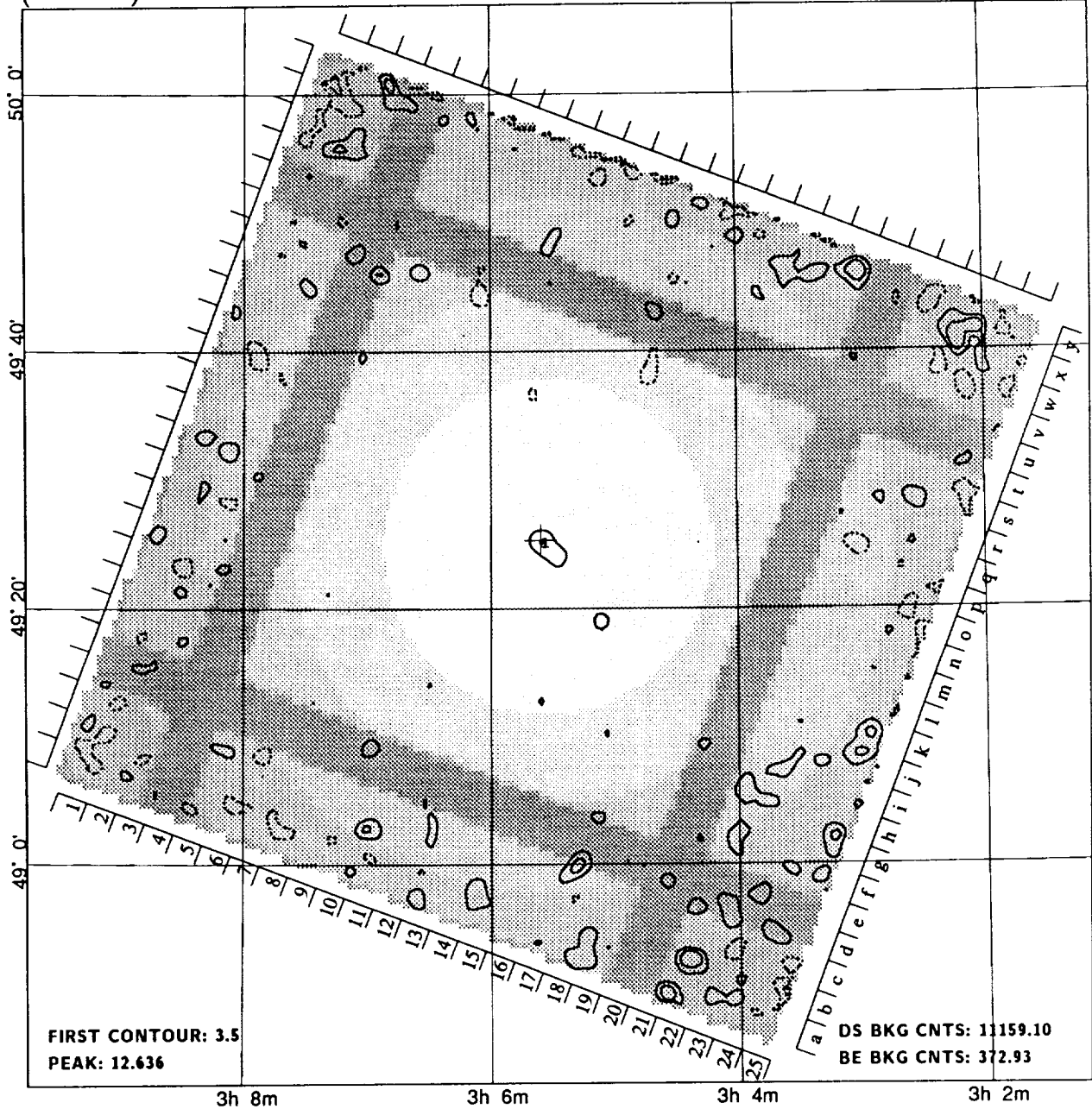
NH: 1.2E+21
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
724	1L	03 04 54.8	40 45 49	31	1.210	0.031	2557.4	697.6	38.5	1.6	0	0.1	S	

(3h 5m)

I 4418

(3h 5m)



STELLAR SURVEY: IOTA PER

FIELD CENTER: $03^h 05^m 27.0^s$ $49^\circ 24' 59''$ (B1950)
 $03^h 08^m 57.8^s$ $49^\circ 36' 25''$ (J2000)
 $l: 144.59$ $b: -7.39$

DATE: 1979/238 - 1979/238
 LIVETIME: 9042.5s
 ROLL ANGLE: -69.2°

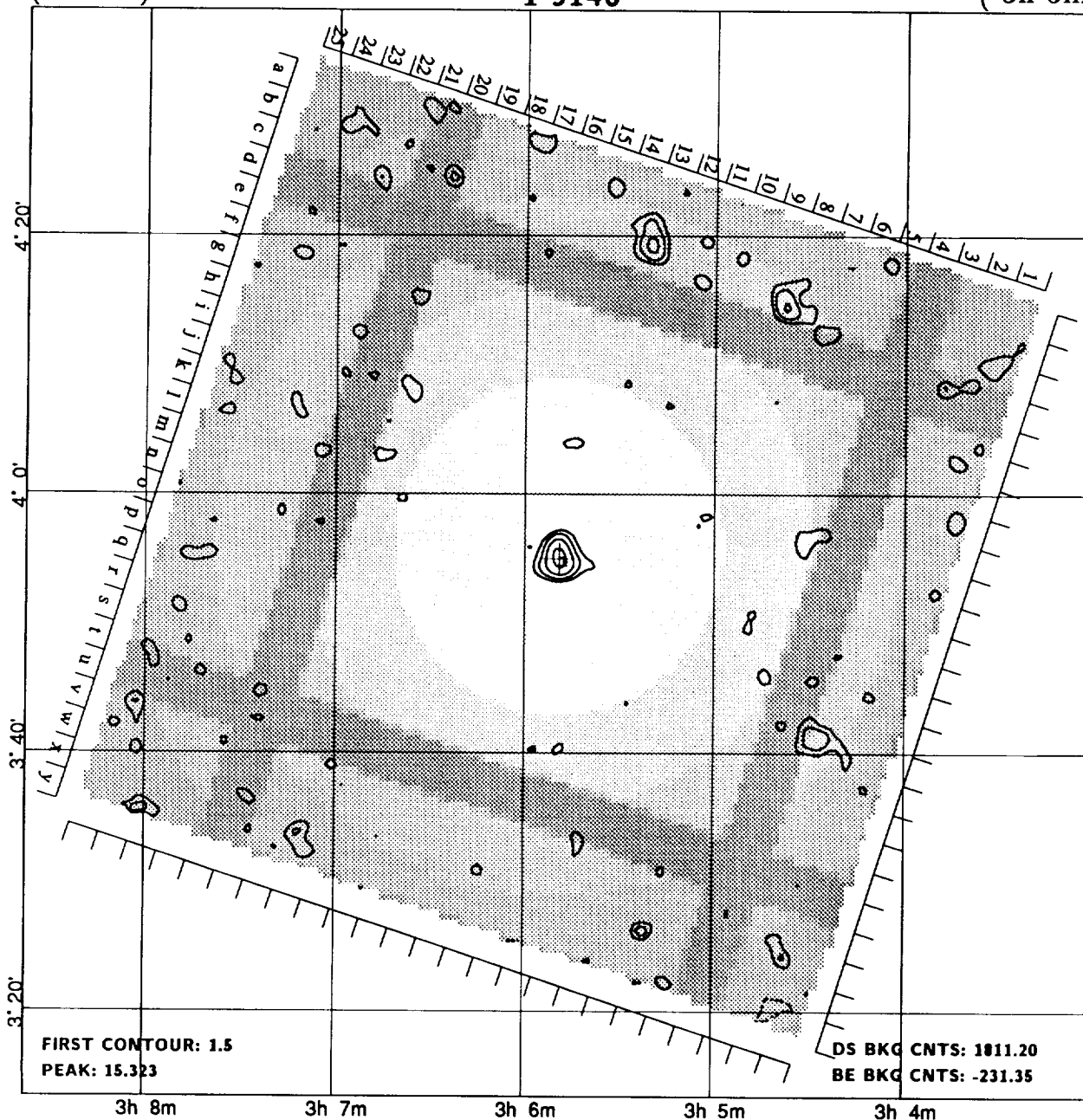
NH: $3.0E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
726	1	03 05 35.8	49 25 22	39	0.0040	0.0011	26.6	26.4	3.7	0.9	0	1.5	H	S

(3h 5m)

I 9146

(3h 5m)



UGC 02555: GASEOUS HALOS IN FIELD E & SO GALAXIES

FIELD CENTER: $03^h 05^m 49.3^s$ $03^{\circ} 55' 17''$ (B1950)
 $03^h 08^m 26.5^s$ $04^{\circ} 06' 44''$ (J2000)
 $l: 174.86$ $b: -44.51$

DATE: 1981/ 27 - 1981/ 27
 LIVETIME: 1467.7s
 ROLL ANGLE: 107.9°

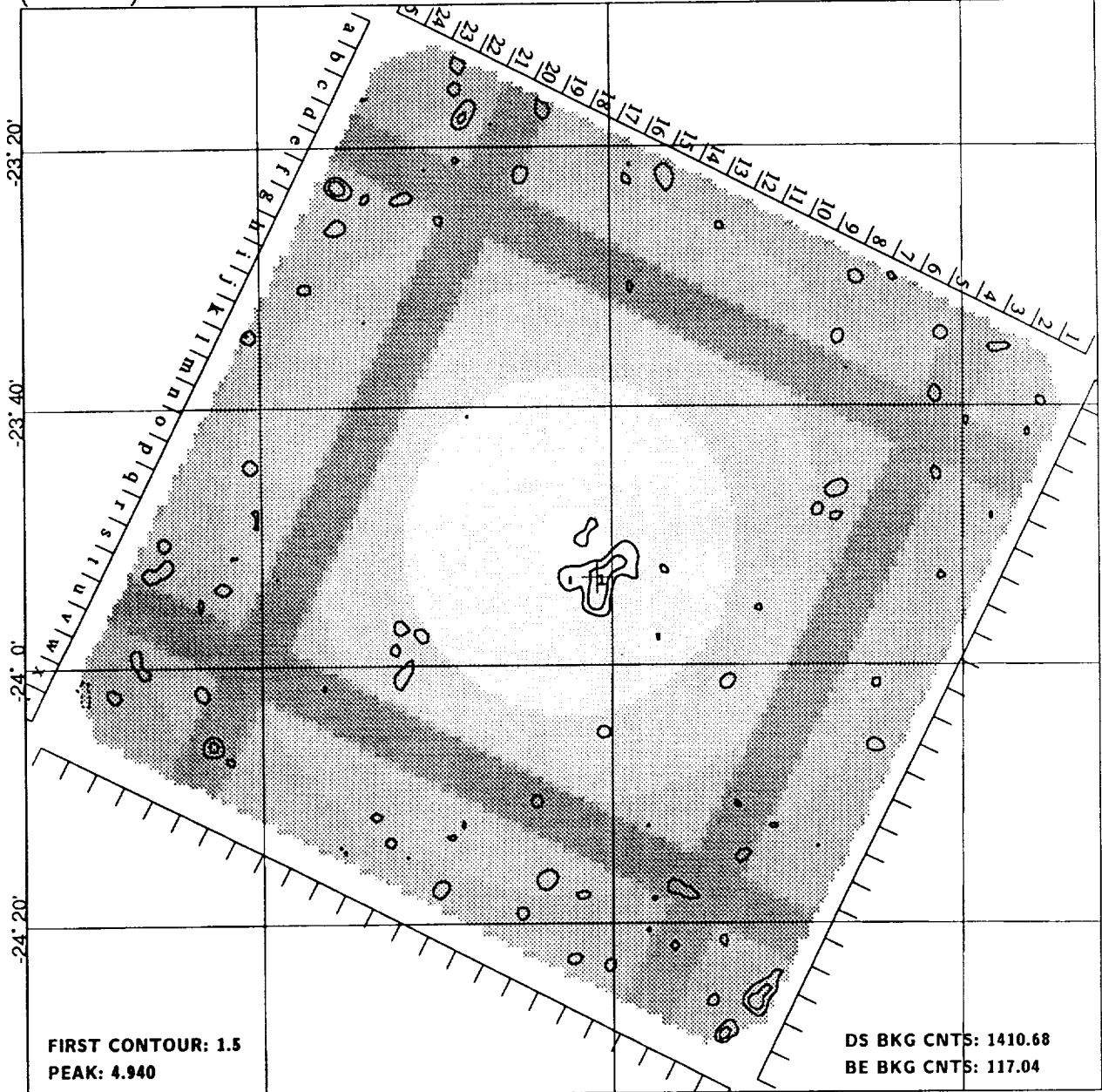
NH: $9.9E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
727	1	03 05 49.0	03 54 57	34	0.0545	0.0073	59.5	3.5	7.5	1.0	0	0.2	H

(3h 6m)

I 8993

(3h 6m)



FIRST CONTOUR: 1.5
PEAK: 4.940

DS BKG CNTS: 1410.68
BE BKG CNTS: 117.04

3h 8m

3h 6m

3h 4m

DISTANCE 4 ABELL CLUSTERS: ABELL 419

FIELD CENTER: 03^h06^m17.0^s -23°50'57" (B1950)
03^h08^m29.3^s -23°39'32" (J2000)
l: 214.26 b: -58.95

DATE: 1981/ 16 - 1981/ 16
LIVETIME: 1143.1s
ROLL ANGLE: 116.4°

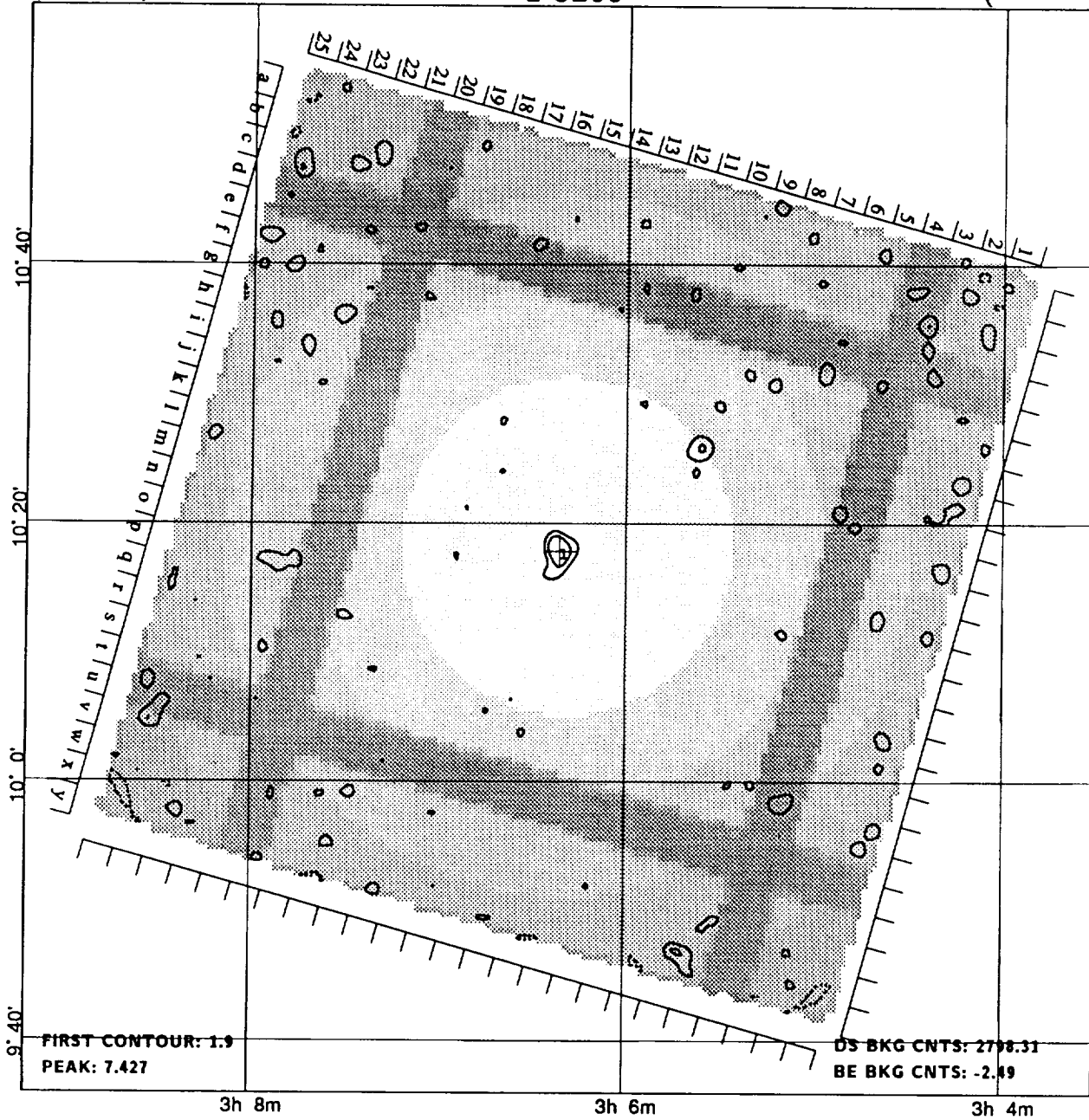
NH: 1.7E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	FLG
728	1	03 06 05.1	-23 53 09	41	0.0196 0.0054	16.3	3.7	3.6	1.9	0	4.4	H	

(3h 6m)

I 3260

(3h 6m)



0306+10: EXTRAGALACTIC STRONG MILLIMETER SOURCES

FIELD CENTER: $03^{\text{h}}06^{\text{m}}20.9^{\text{s}}$ $10^{\circ}17'51''$ (B1950)
 $03^{\text{h}}09^{\text{m}}03.6^{\text{s}}$ $10^{\circ}29'16''$ (J2000)
 $l: 169.18$ $b: -39.72$

DATE: 1980/ 41 - 1980/ 41
 LIVETIME: 2267.5s
 ROLL ANGLE: 105.5°

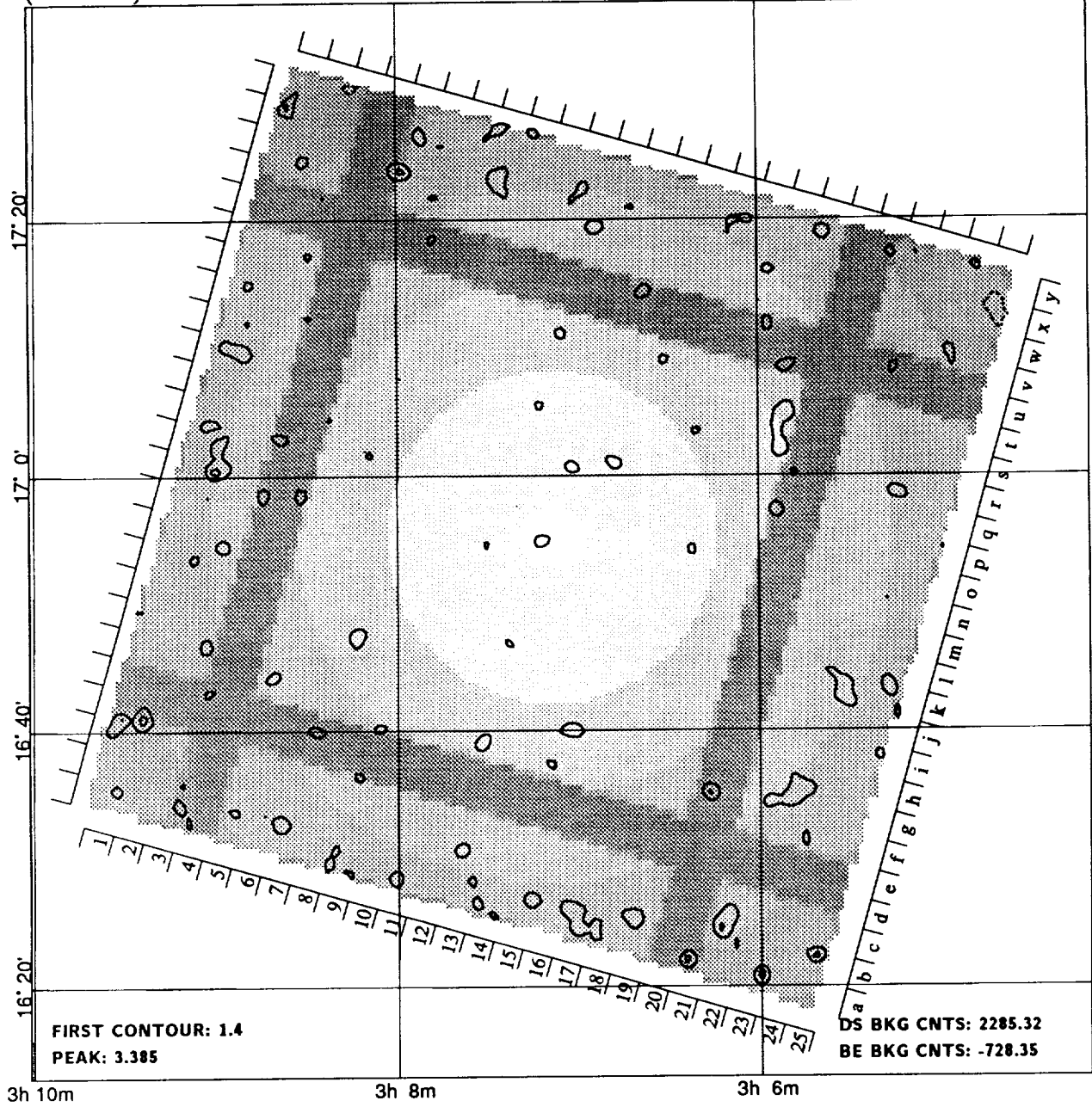
NH: $1.5\text{E}+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID
730	1	03 06 21.3	10 17 52	36	0.0166	0.0035	28.0	7.0	4.7	0.9	0	0.2	H	*

(3h 7m)

I 1929

(3h 7m)



FIRST CONTOUR: 1.4
 PEAK: 3.385

DS BKG CNTS: 2285.32
 BE BKG CNTS: -728.35

3h 10m

3h 8m

3h 6m

3C79: SEYFERT AND N-TYPE GALAXIES

FIELD CENTER: 03^h07^m06.0^s 16°54'59" (B1950)
 03^h09^m54.7^s 17°06'21" (J2000)
 l : 164.12 b : -34.46

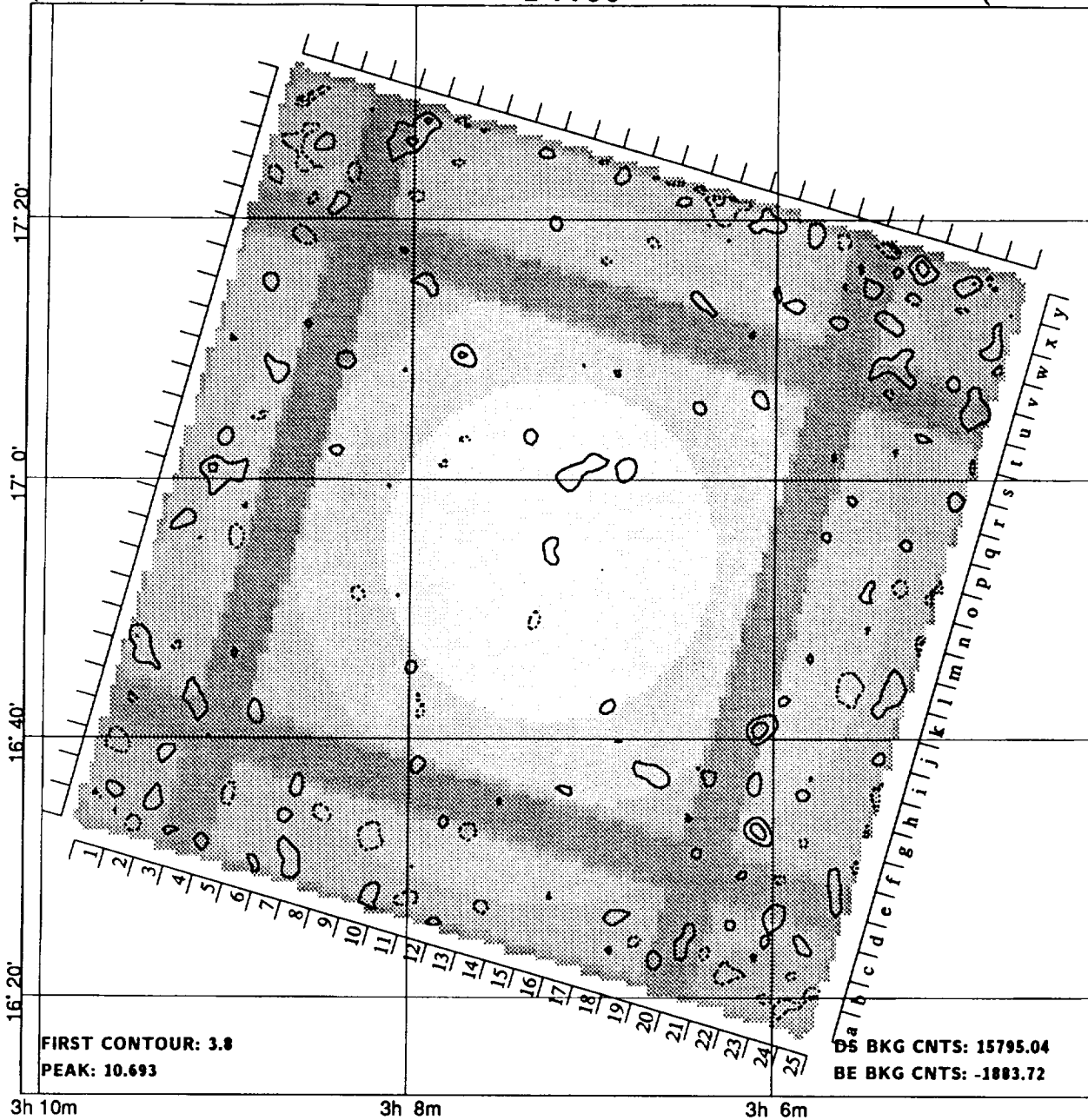
DATE: 1979/214 - 1979/214
 LIVETIME: 1851.9s
 ROLL ANGLE: -74.1°

NH: 1.0E+21
 REF/ID:
 FIELD FLAGS: C

(3h 7m)

I 7790

(3h 7m)



DISTANT ABELL-LIKE CLUSTERS

FIELD CENTER: $03^h 07^m 11.0^s$ $16^\circ 54' 28''$ (B1950)
 $03^h 09^m 59.7^s$ $17^\circ 05' 50''$ (J2000)
 $l: 164.15$ $b: -34.46$

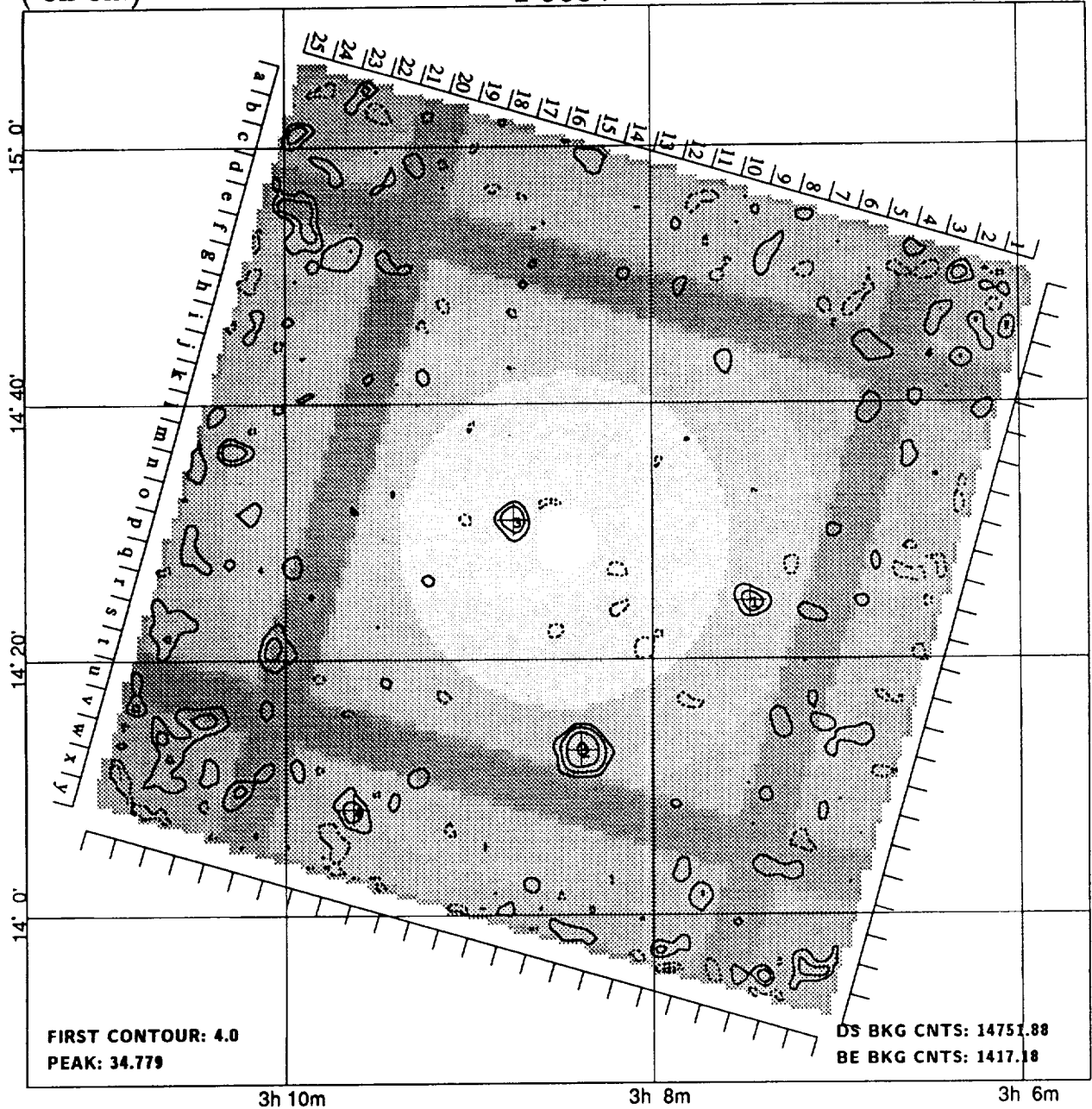
DATE: 1980/211 - 1980/211
 LIVETIME: 12799.1s
 ROLL ANGLE: -74.1°

NH: $1.0E+21$
 REF/ID:
 FIELD FLAGS:

(3h 8m)

I 9084

(3h 8m)



0308+1428: OPTICALLY DISCOVERED VHR CLUSTERS OF GALAXIES

FIELD CENTER: 03^h08^m31.0^s 14°28'53" (B1950)
 03^h11^m17.5^s 14°40'11" (J2000)
l: 166.30 *b*: -36.16

DATE: 1981/ 32 - 1981/ 33
 LIVETIME: 11953.8s
 ROLL ANGLE: 105.9°

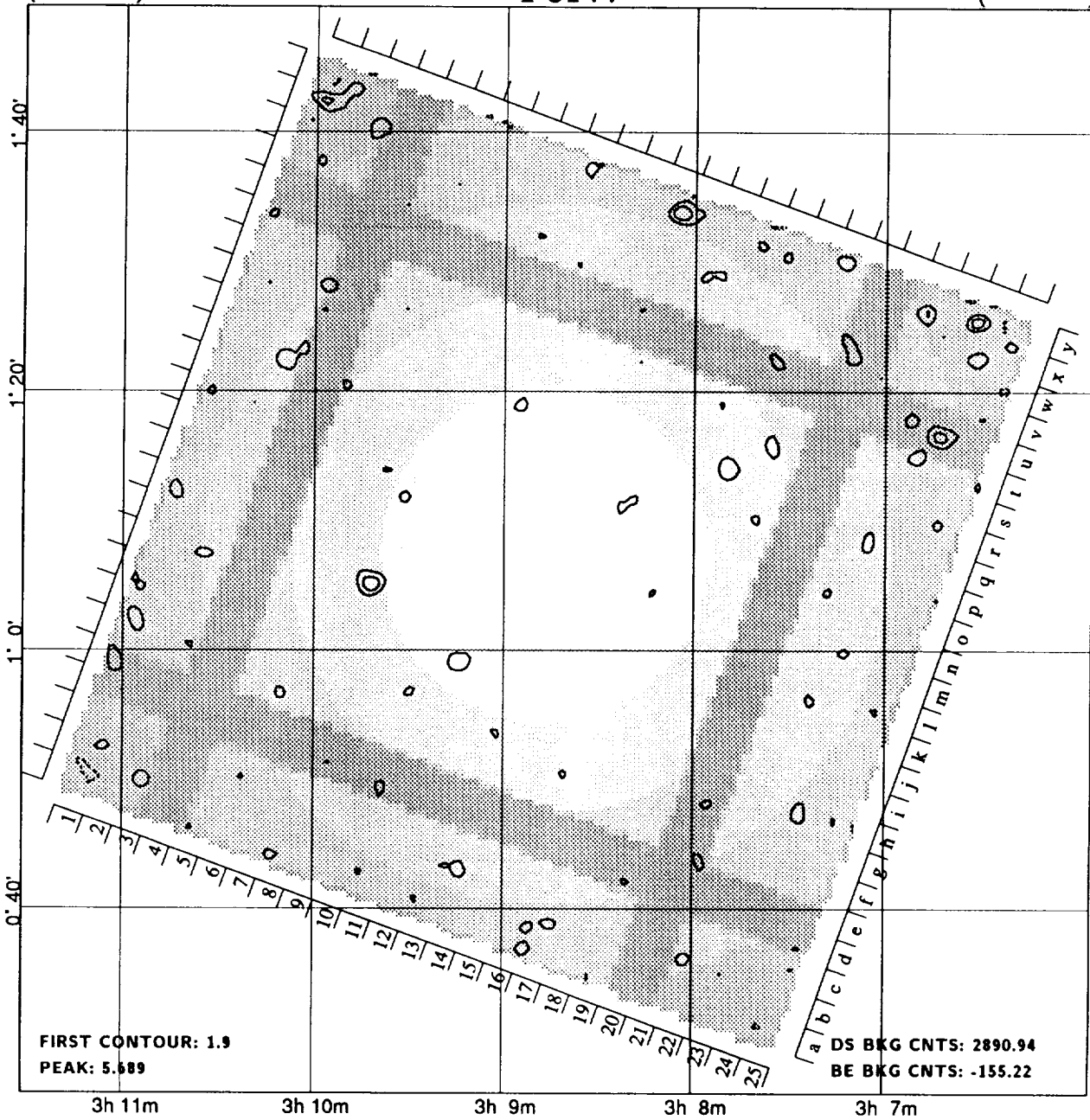
NH: 1.2E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
731	1	03 07 28.1	14 24 33	51	0.0047 0.0011	32.8	31.2	4.1	0.7	0	16.0	H
733	2	03 08 23.5	14 12 52	48	0.0184 0.0018	125.2	32.8	10.0	1.2	0	15.7	H
734	3	03 08 45.6	14 30 56	35	0.0063 0.0012	54.4	45.6	5.4	0.8	0	4.1	
735	4	03 09 38.0	14 08 13	56	0.0060 0.0015	28.4	24.6	3.9	1.0	0	26.8	

(3h 8m)

I 3144

(3h 8m)



RING GALAXIES SURVEY: ARP 147

FIELD CENTER: $03^{\text{h}}08^{\text{m}}43.5^{\text{s}}$ $01^{\circ}07'38''$ (B1950)
 $03^{\text{h}}11^{\text{m}}18.3^{\text{s}}$ $01^{\circ}18'56''$ (J2000)
 $l: 178.42$ $b: -45.94$

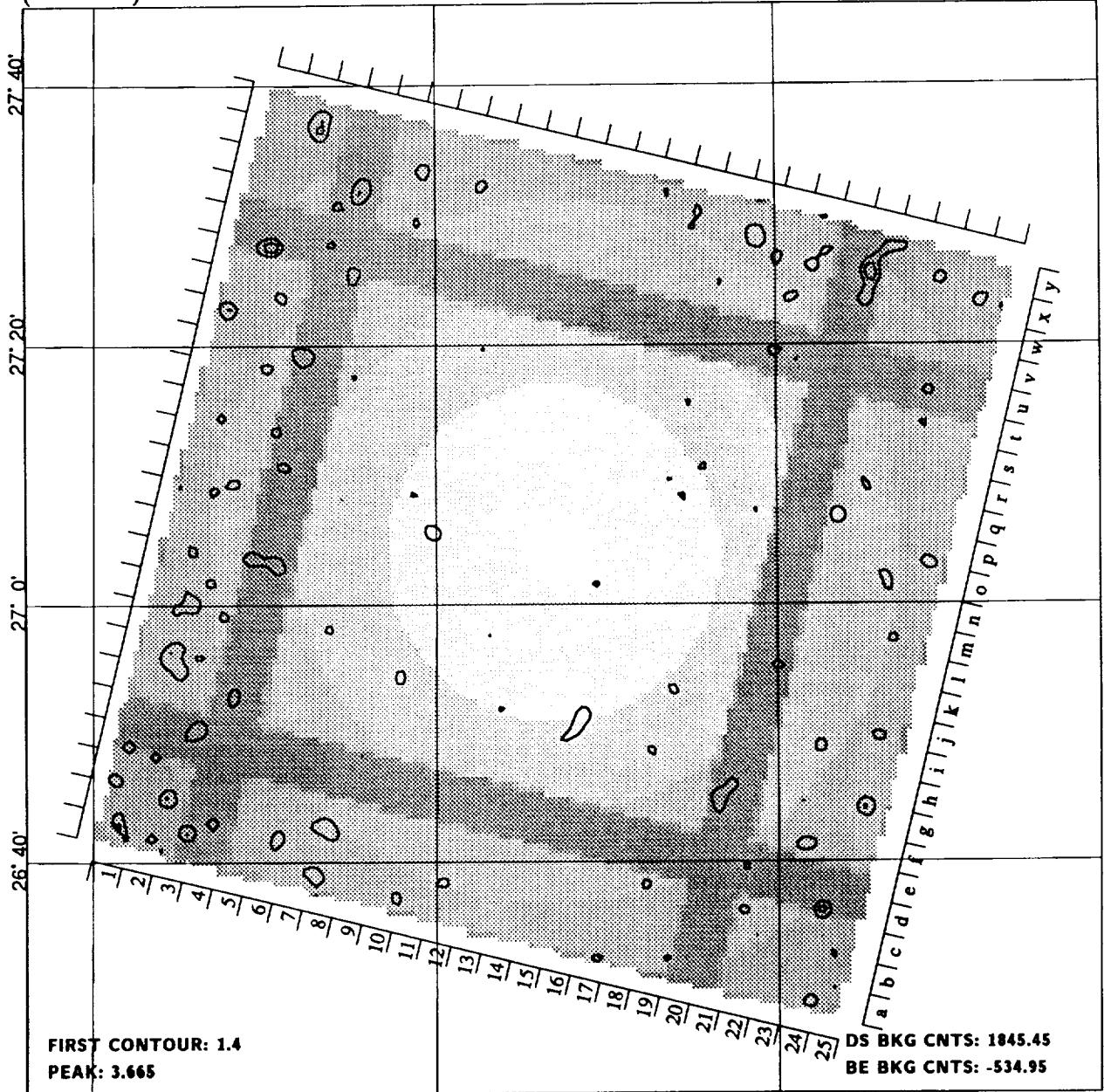
DATE: 1979/206 - 1979/206
 LIVETIME: 2342.6s
 ROLL ANGLE: -70.2°

NH: $6.7E+20$
 REF/ID:
 FIELD FLAGS:

(3h 9m)

I 835

(3h 9m)



3h 12m

3h 10m

3h 8m

56 ARI (HD19832) STELLAR OBSERVATIONS, A STARS

FIELD CENTER: $03^h 09^m 15.1^s$ $27^\circ 04' 11''$ (B1950)
 $03^h 12^m 14.2^s$ $27^\circ 15' 26''$ (J2000)
 $l: 157.68$ $b: -25.95$

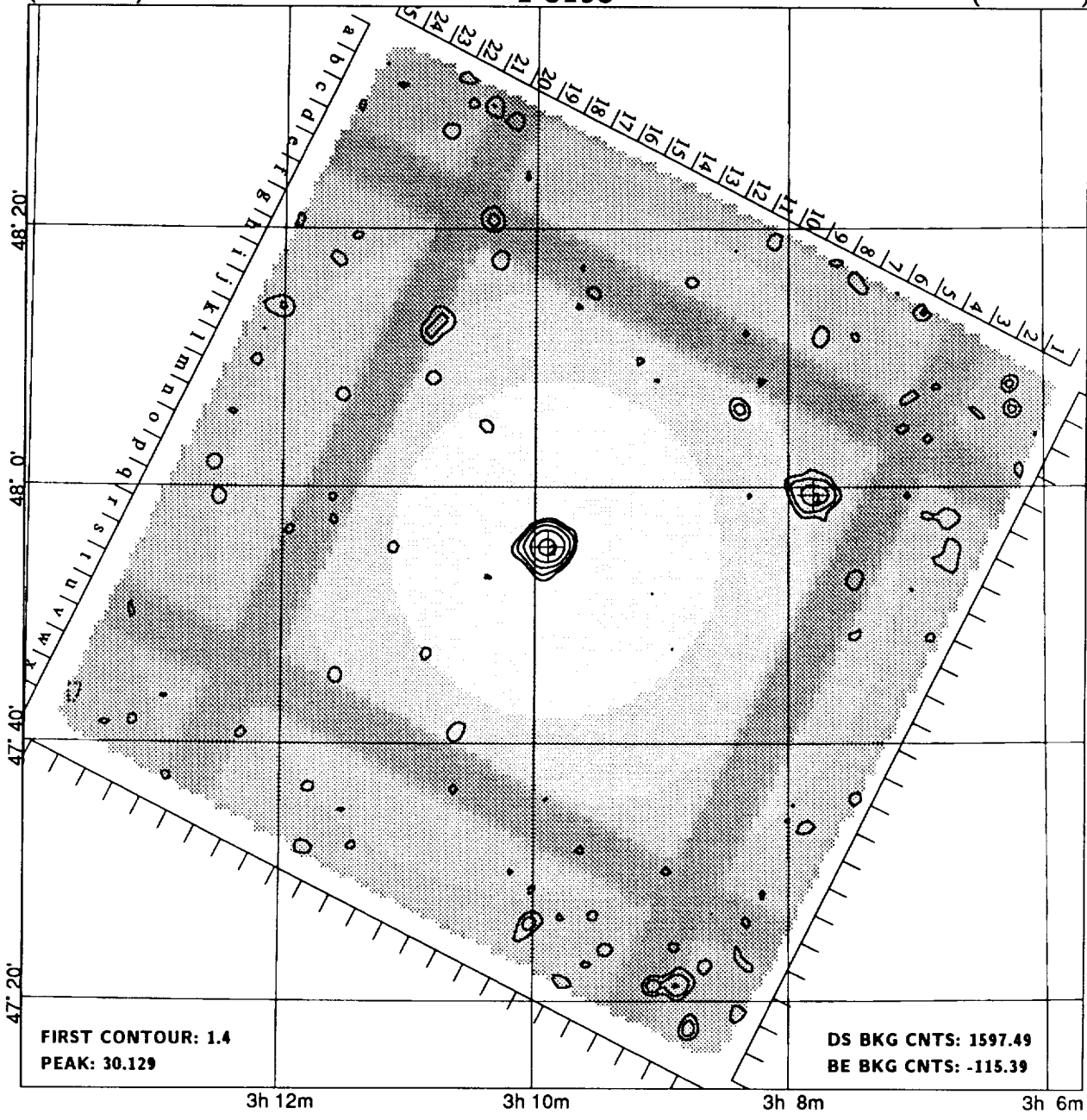
DATE: 1979/213 - 1979/213
 LIVETIME: 1495.4s
 ROLL ANGLE: -76.4°

NH: $1.2E+21$
 REF/ID:
 FIELD FLAGS:

(3h 9m)

I 3193

(3h 9m)



RS CVN SYSTEMS: LX PER

FIELD CENTER: $03^h 09^m 51.0^s$ $47^\circ 55' 11''$ (B1950)
 $03^h 13^m 19.8^s$ $48^\circ 06' 23''$ (J2000)
 $l: 145.99$ $b: -8.31$

DATE: 1979/ 59 - 1979/ 59
 LIVETIME: 1294.5s
 ROLL ANGLE: 116.8°

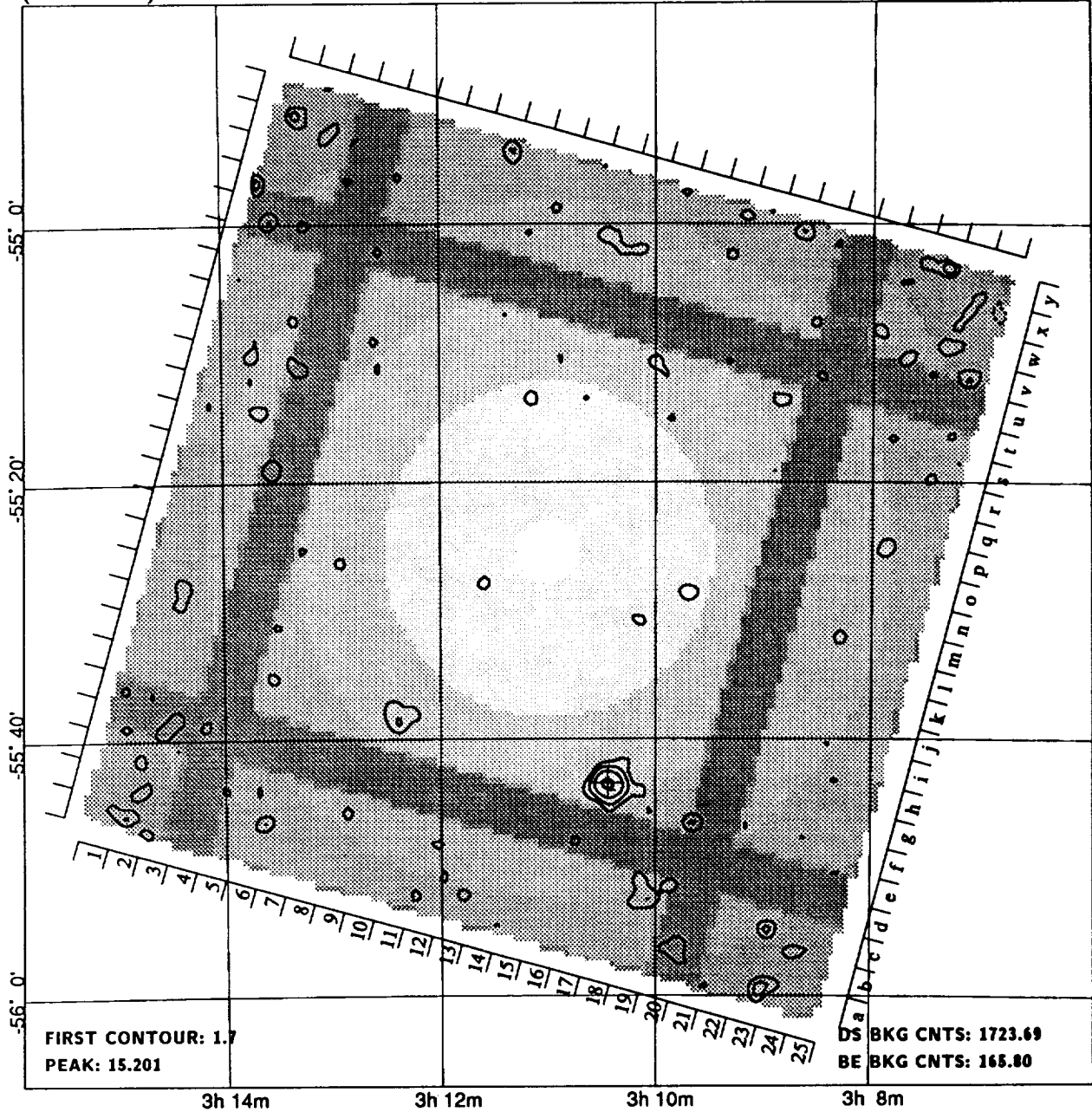
NH: $2.6E+21$
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
732	1	03 07 48.2	47 59 23	51	0.0368	0.0079	23.7	2.3	4.6	1.1	0	20.8	H
736	2	03 09 53.8	47 55 21	31	0.129	0.012	124.2	3.8	11.0	1.1	0	0.4	H CV

(3h 10m)

I 6465

(3h 10m)



FIELD CENTER: $03^{\text{h}} 10^{\text{m}} 54.0^{\circ}$ $-55^{\circ} 24' 59''$ (B1950)
 $03^{\text{h}} 12^{\text{m}} 16.1^{\circ}$ $-55^{\circ} 13' 47''$ (J2000)
 $l: 270.56$ $b: -52.12$

DATE: 1980/203 - 1980/203
 LIVETIME: 1396.8s
 ROLL ANGLE: -74.7°

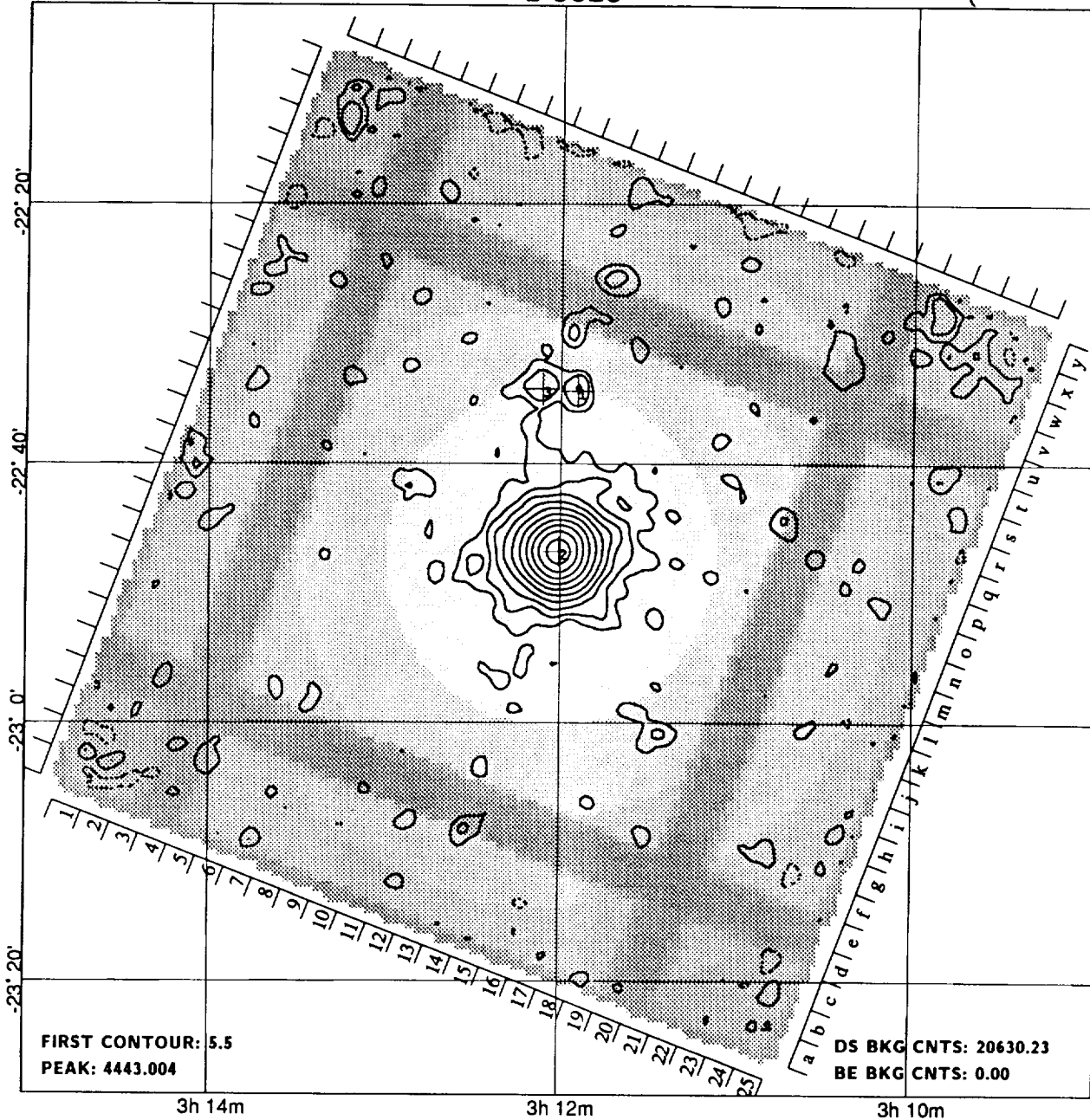
NH: $1.0E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
737	1	03 10 26.8	-55 43 21	50	0.0544	0.0089	40.5	3.5	6.1	1.0	0	18.7	H

(3h 12m)

I 3823

(3h 12m)



2A 0311-227

FIELD CENTER: $03^h 12^m 00.0^s - 22^\circ 46' 47''$ (B1950)
 $03^h 14^m 12.9^s - 22^\circ 35' 40''$ (J2000)
 $l: 212.94 \quad b: -57.41$

DATE: 1979/210 - 1979/211
 LIVETIME: 16717.2s
 ROLL ANGLE: -69.1°

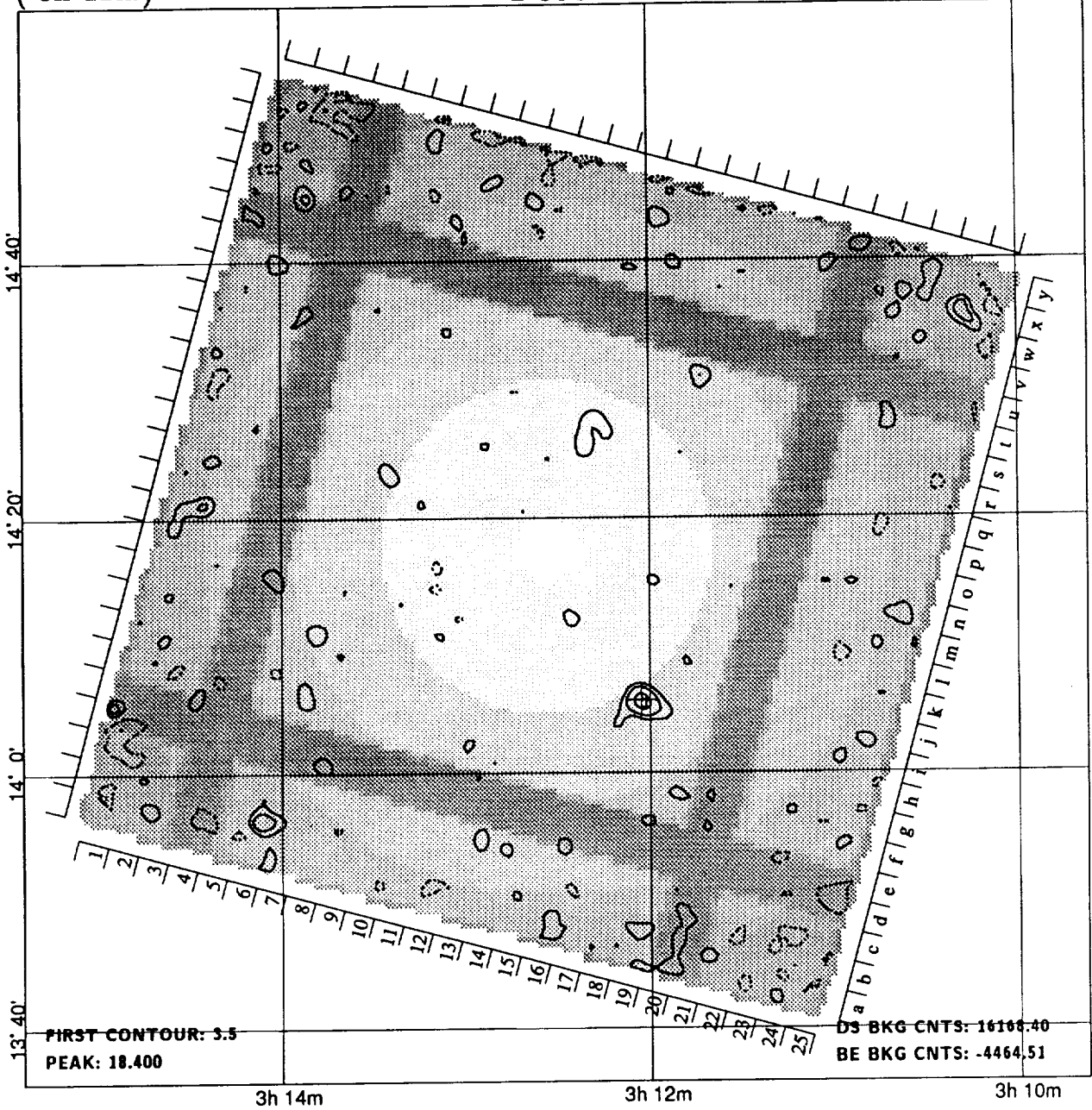
NH: $1.8E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID
739	1L	03 11 54.3	-22 34 24	41	0.0062	0.0013	64.6	55.4	4.7	346.9	0	12.8		
740	2L	03 12 00.6	-22 46 48	31	1.310	0.013	16320.5	3453.5	100.8	1.5	0	0.2	S	
743	3L	03 12 06.3	-22 34 14	41	0.0057	0.0013	59.7	65.3	4.2	317.8	0	12.6		

(3h 12m)

I 3954

(3h 12m)



CLUSTER EVOLUTION (Z>0.6)

FIELD CENTER: 03^h 12^m 30.6^s 14° 17' 55" (B1950)
 03^h 15^m 17.2^s 14° 29' 00" (J2000)
 l : 167.37 b : -35.69

DATE: 1979/225 - 1979/228
 LIVETIME: 13101.7s
 ROLL ANGLE: -74.8°

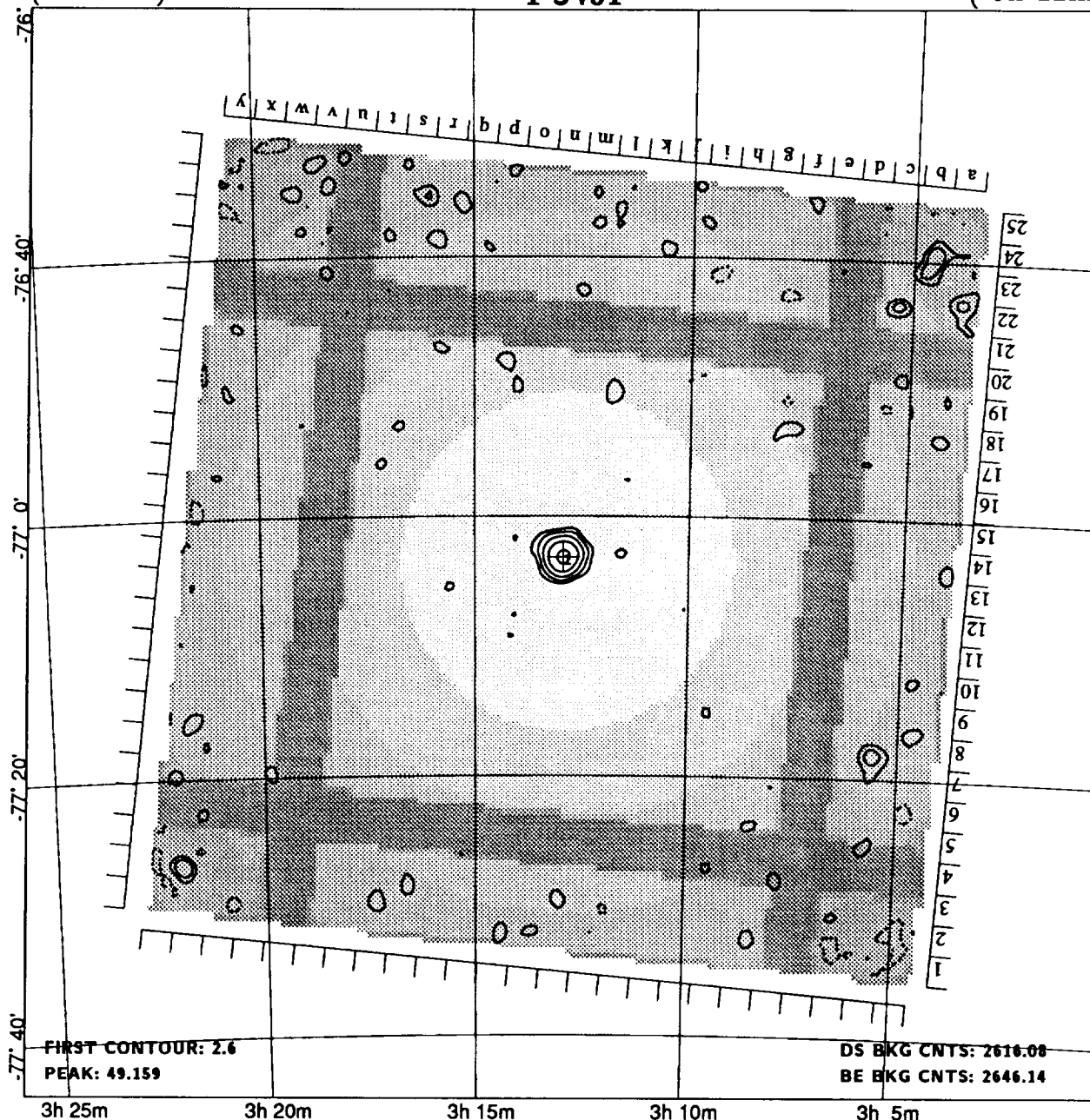
NH: 1.2E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
741	1	03 12 02.8	14 05 37	41	0.0071	0.0011	56.0	19.0	6.5	1.1	0	13.8	H

(3h 12m)

I 5401

(3h 12m)



0312-770,QSO'S WITH RADIO FLAT SPECTRUM

FIELD CENTER: 03^h12^m55.7^s -77°03'00" (B1950)
 03^h11^m54.7^s -76°51'50" (J2000)
 l : 293.44 b : -37.55

DATE: 1979/312 - 1979/312
 LIVETIME: 2119.9s
 ROLL ANGLE: -174.6°

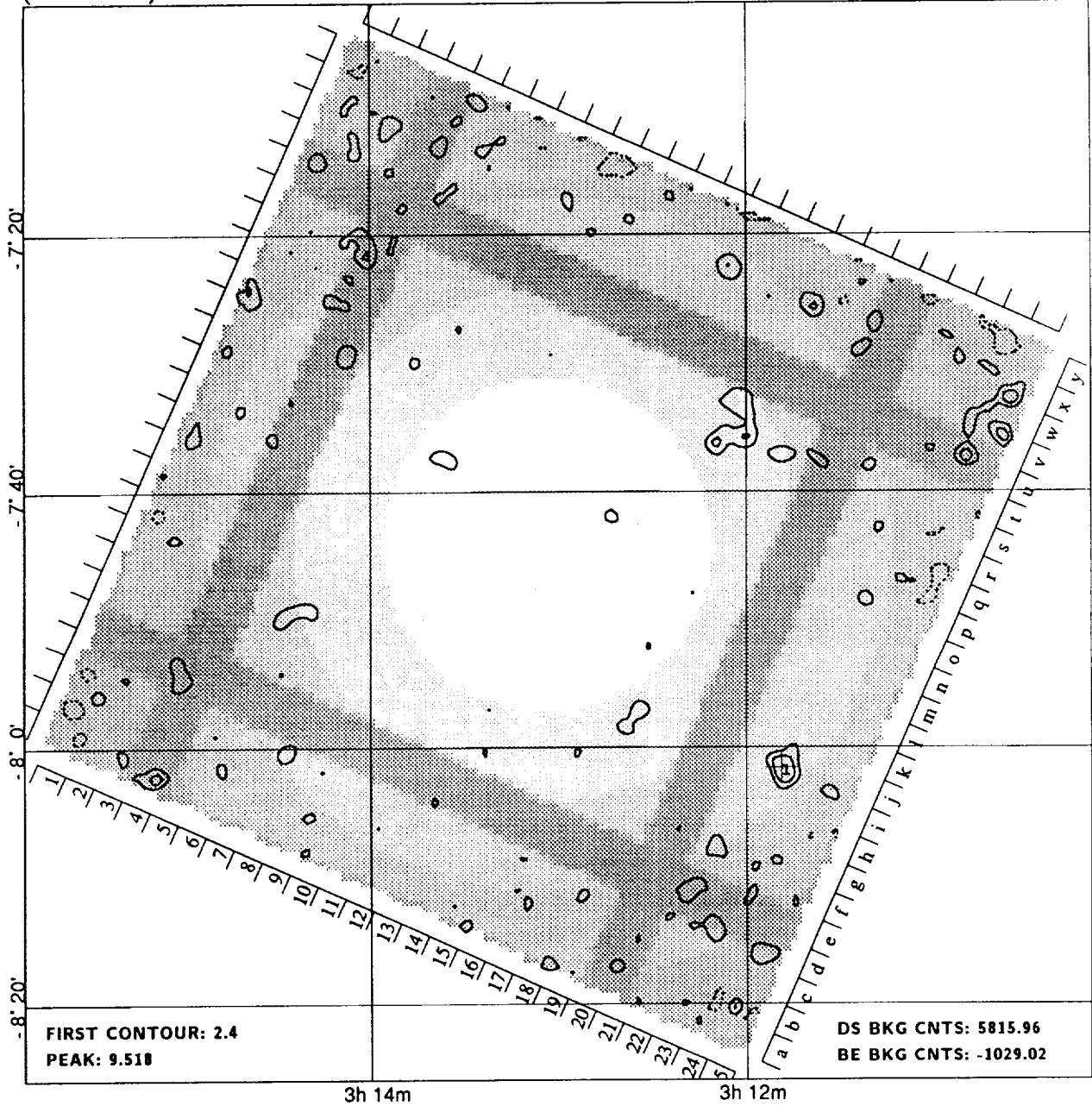
NH: 6.2E+20
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT ± RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
746	1L	03 12 55.8	-77 03 08	31	0.131 0.011	206.5	19.5	12.1	1.1	0	0.1	Q

(3h 13m)

I 7414

(3h 13m)



Empty field in Aquila (mispointed)

FIELD CENTER: $03^h 13^m 00.0^s -07^\circ 43' 59''$ (B1950)
 $03^h 15^m 27.0^s -07^\circ 32' 56''$ (J2000)
 $l: 189.81 \quad b: -50.68$

DATE: 1980/217 - 1980/217
 LIVETIME: 4712.8s
 ROLL ANGLE: -66.0°

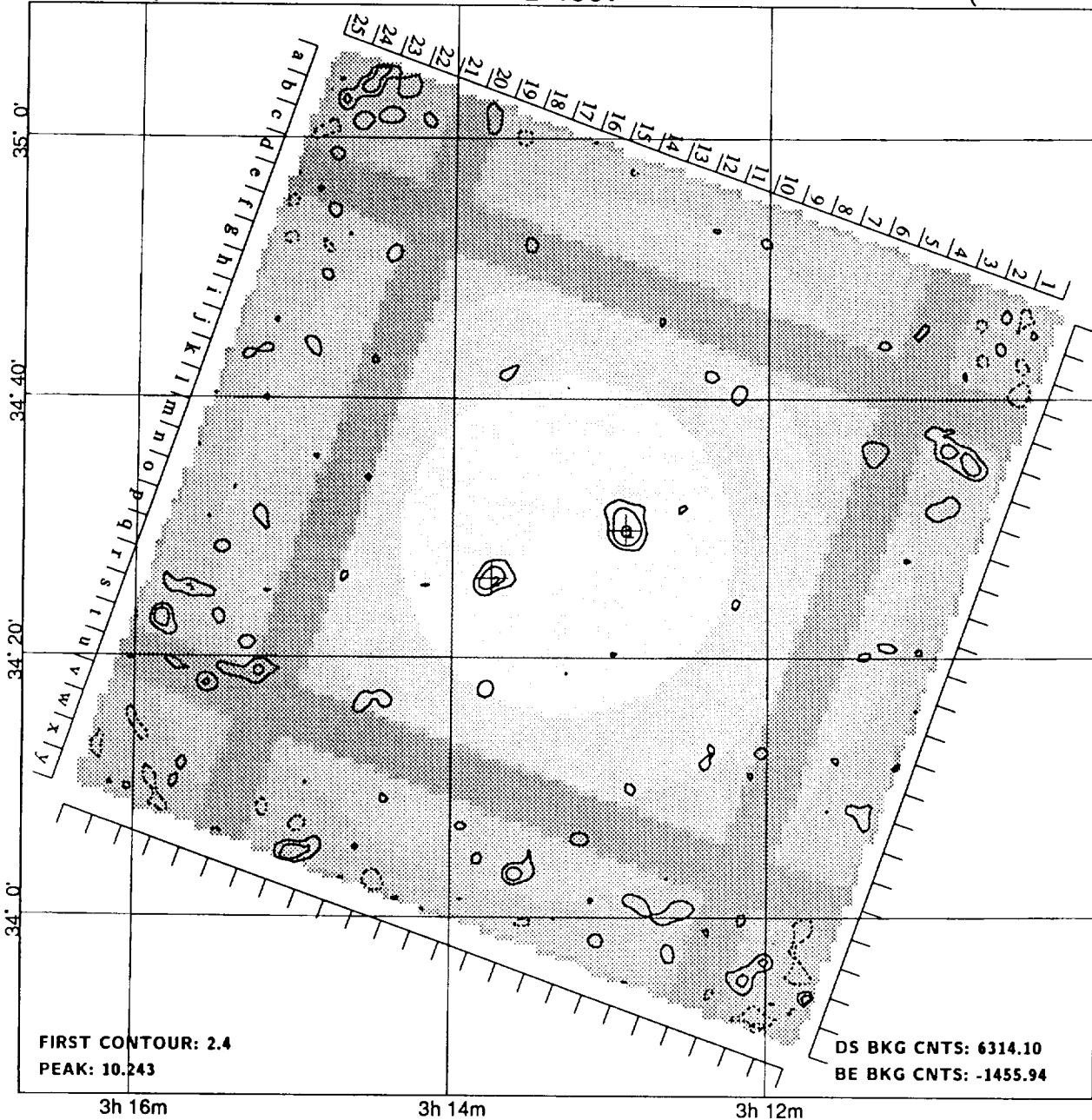
NH: $5.4E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
738	1	03 11 48.8	-08 01 34	55	0.0111	0.0027	22.2	6.8	4.1	0.8	0	25.1	H	

(3h 13m)

I 4887

(3h 13m)



STAR HR 976 (HD 20210), AP STARS

FIELD CENTER: $03^h 13^m 19.2^s$ $34^\circ 28' 11''$ (B1950)
 $03^h 16^m 27.5^s$ $34^\circ 39' 12''$ (J2000)
 $l: 153.97$ $b: -19.33$

DATE: 1980/ 52 - 1980/ 52
 LIVETIME: 5116.5s
 ROLL ANGLE: 109.6°

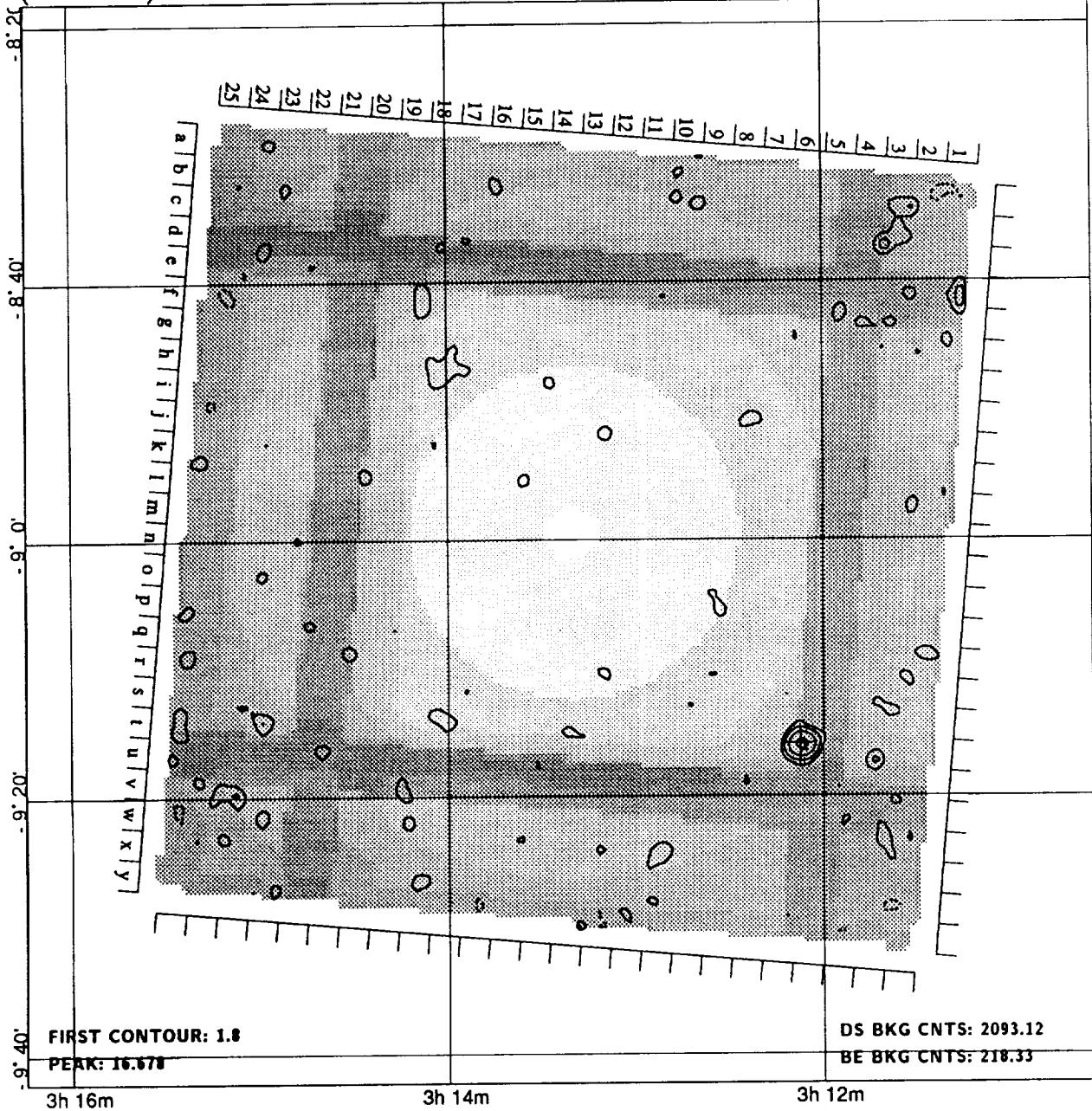
NH: $1.2E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
745	1	03 12 54.0	34 29 51	41	0.0116	0.0020	42.4	11.6	5.8	1.1	0	5.4	H S	
749	2	03 13 45.1	34 26 07	42	0.0079	0.0017	28.4	9.6	4.6	0.8	0	5.8	H Q	

(3h 13m)

I 4900

(3h 13m)



STAR XI ERI (HD 20320), AP STARS A

FIELD CENTER: 03^h13^m24.2^s -09°00'14" (B1950)
 03^h15^m50.1^s -08°49'12" (J2000)
 l : 191.58 b : -51.31

DATE: 1980/ 38 - 1980/ 38
 LIVETIME: 1696.1s
 ROLL ANGLE: 94.9°

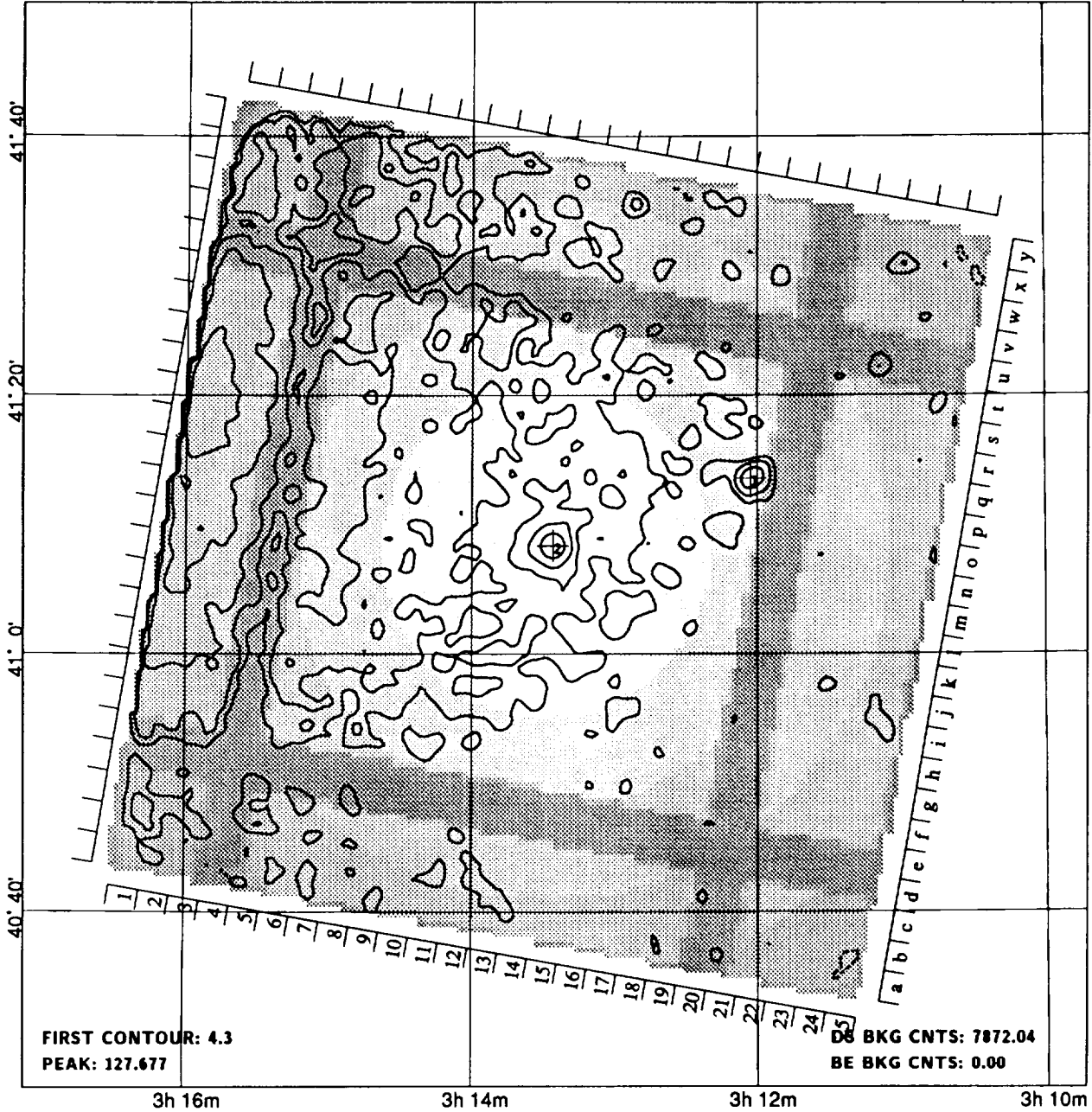
NH: 5.5E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
744	1	03 12 07.4	-09 15 54	50	*0.0456 0.0081	34.5	3.5	5.6	0.9	906	24.4	H

(3h 13m)

I 4477

(3h 13m)



FIRST CONTOUR: 4.3
 PEAK: 127.677

DS BKG CNTS: 7872.04
 BE BKG CNTS: 0.00

PERSEUS CLUSTER (IC310)

FIELD CENTER: 03^h 13^m 25.2^s 41° 08' 26" (B1950)
 03^h 16^m 43.0^s 41° 19' 27" (J2000)
l: 150.18 *b*: -13.73

DATE: 1979/215 - 1979/215
 LIVETIME: 6378.9s
 ROLL ANGLE: -80.0°

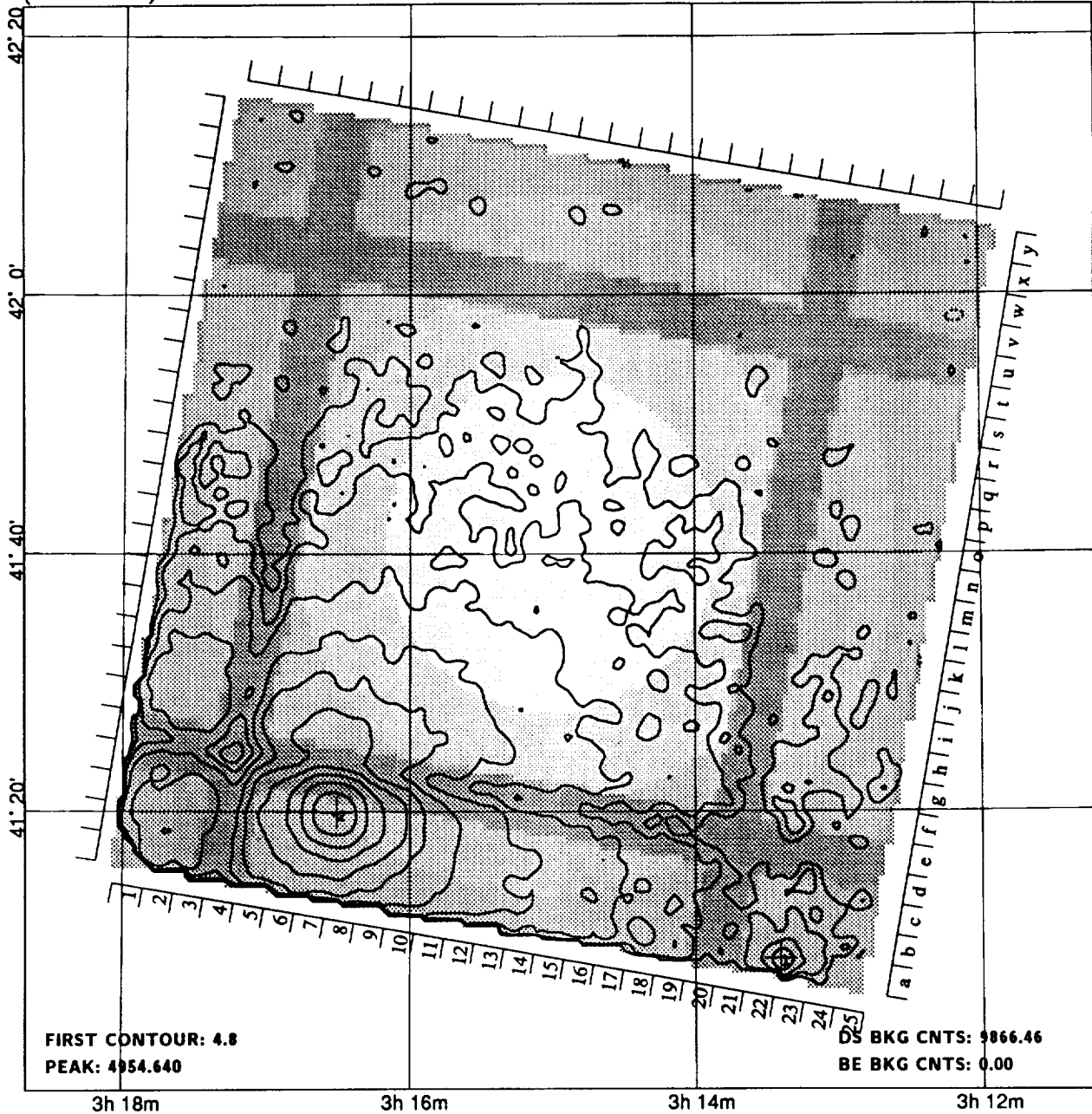
NH: 1.4E+21
 REF/ID:
 FIELD FLAGS: LS

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
742	1L	03 12 02.8	41 13 38	50	*0.0213	0.0033	75.8	22.2	6.2	1.1	601	16.5	
747	2L	03 13 25.8	41 08 29	31	0.0366	0.0040	174.0	81.0	9.1	79.6	0	0.2	A

(3h 14m)

I 4478

(3h 14m)



PERSEUS CLUSTER (NGC 1265)

FIELD CENTER: $03^{\text{h}} 14^{\text{m}} 57.0^{\text{s}}$ $41^{\circ} 40' 29''$ (B1950)
 $03^{\text{h}} 18^{\text{m}} 15.9^{\text{s}}$ $41^{\circ} 51' 25''$ (J2000)
 $l: 150.13$ $b: -13.13$

DATE: 1979/215 - 1979/216
 LIVETIME: 7995.1s
 ROLL ANGLE: -80.2°

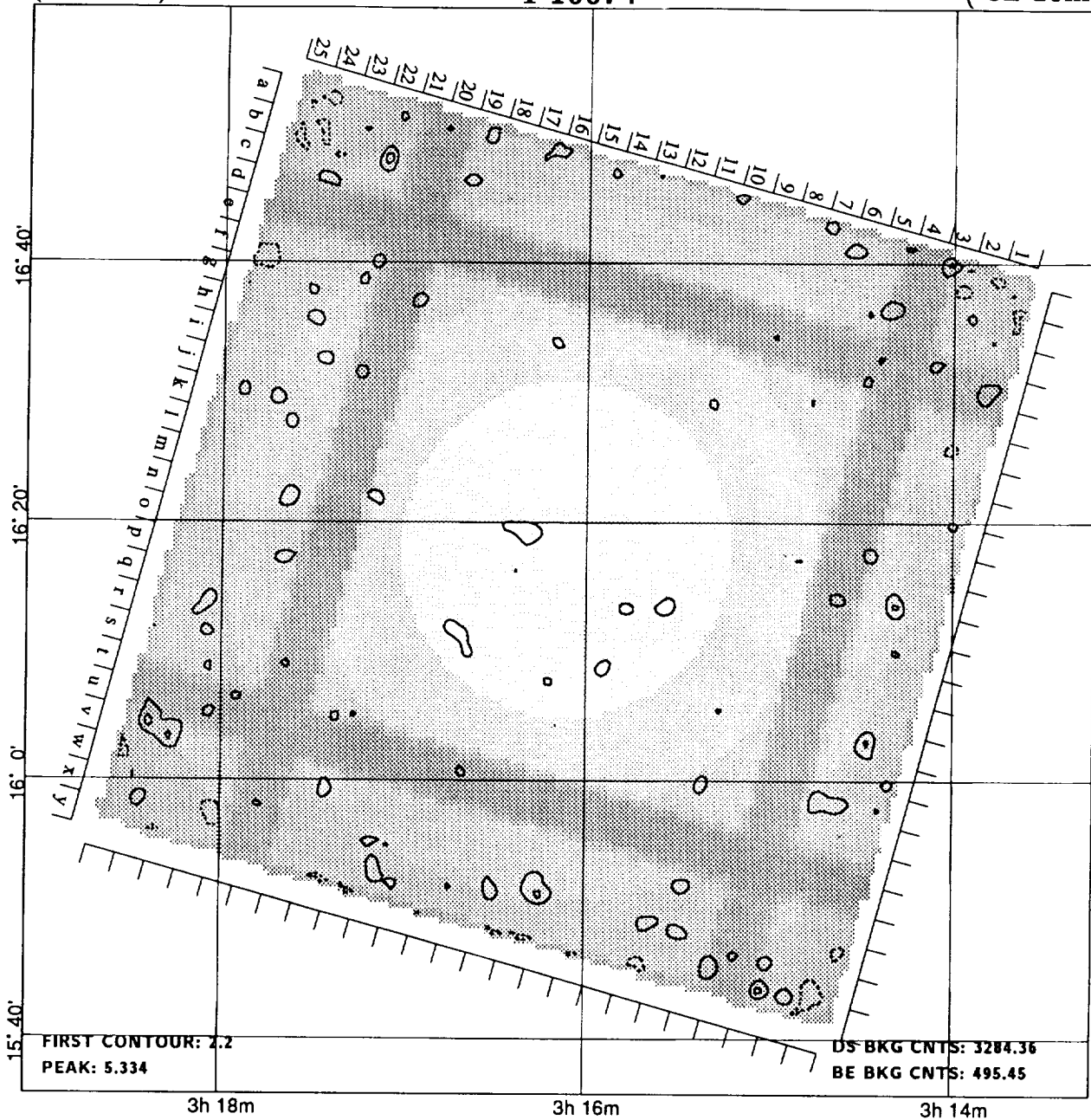
NH: $1.4\text{E}+21$
 REF/ID:
 FIELD FLAGS: DL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	FLG
747	1L	03 13 24.4	41 08 28	50	0.0283	0.0064	51.2	33.8	4.2	552.6	500	36.4	A	
751	2L	03 16 30.7	41 19 55	47	*2.261	0.052	7259.0	6395.3	43.4	4.7	602	27.1	A	*

(3h 16m)

I 10074

(3h 16m)



COMPACT EXTRAGALACTIC RADIO SOURCES: 0316+162

FIELD CENTER: $03^h 16^m 09.1^s$ $16^\circ 17' 38''$ (B1950)
 $03^h 18^m 57.8^s$ $16^\circ 28' 31''$ (J2000)
 $l: 166.64$ $b: -33.60$

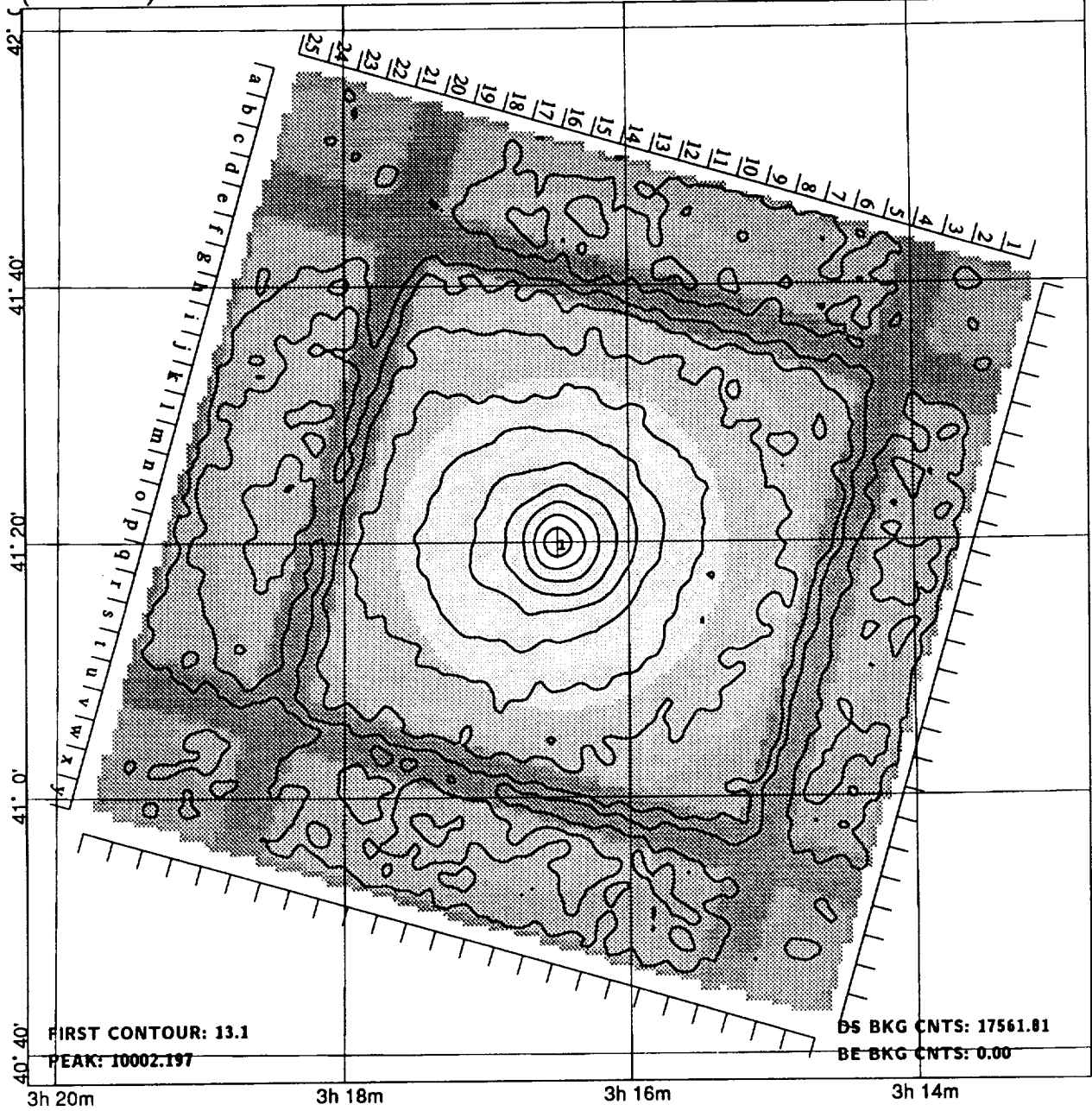
DATE: 1981/ 32 - 1981/ 32
LIVETIME: 2661.4s
ROLL ANGLE: 105.3°

NH: $1.0E+21$
REF/ID:
FIELD FLAGS:

(3h 16m)

I 283

(3h 16m)



PERSEUS CLUSTER (NGC 1275) 1 MIN.RESOLUTION IMAGE

FIELD CENTER: $03^h 16^m 30.0^s$ $41^\circ 19' 59''$ (B1950)
 $03^h 19^m 48.6^s$ $41^\circ 30' 50''$ (J2000)
 $l: 150.58$ $b: -13.26$

DATE: 1979/ 33 - 1979/ 34
 LIVETIME: 14231.2s
 ROLL ANGLE: 105.9°

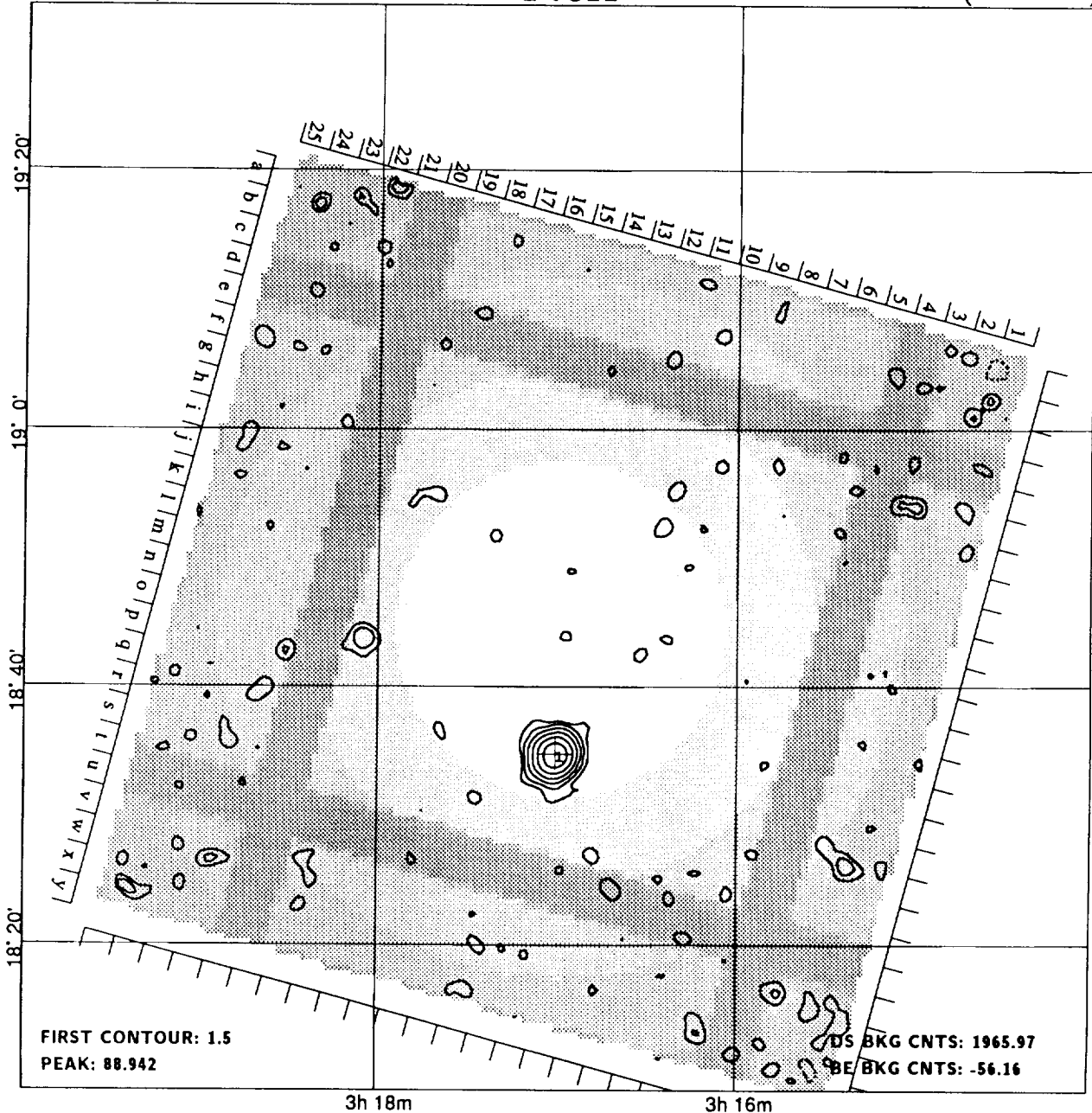
NH: $1.4E+21$
 REF/ID: CLG
 FIELD FLAGS: DLT

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	FLG
751	1L	03 16 30.1	41 20 00	31	2.758	0.025	29254.5	19013.5	110.2	5.7	0	0.0	A	*

(3h 17m)

I 7511

(3h 17m)



PKS 0317+188, IDENTIFICATION OF NEW BL LAC OBJECTS

FIELD CENTER: 03^h17^m00.4^s 18°50'44" (B1950)
 03^h19^m51.6^s 19°01'34" (J2000)
l: 164.91 *b*: -31.49

DATE: 1980/ 41 - 1980/ 41
 LIVETIME: 1593.1s
 ROLL ANGLE: 105.0°

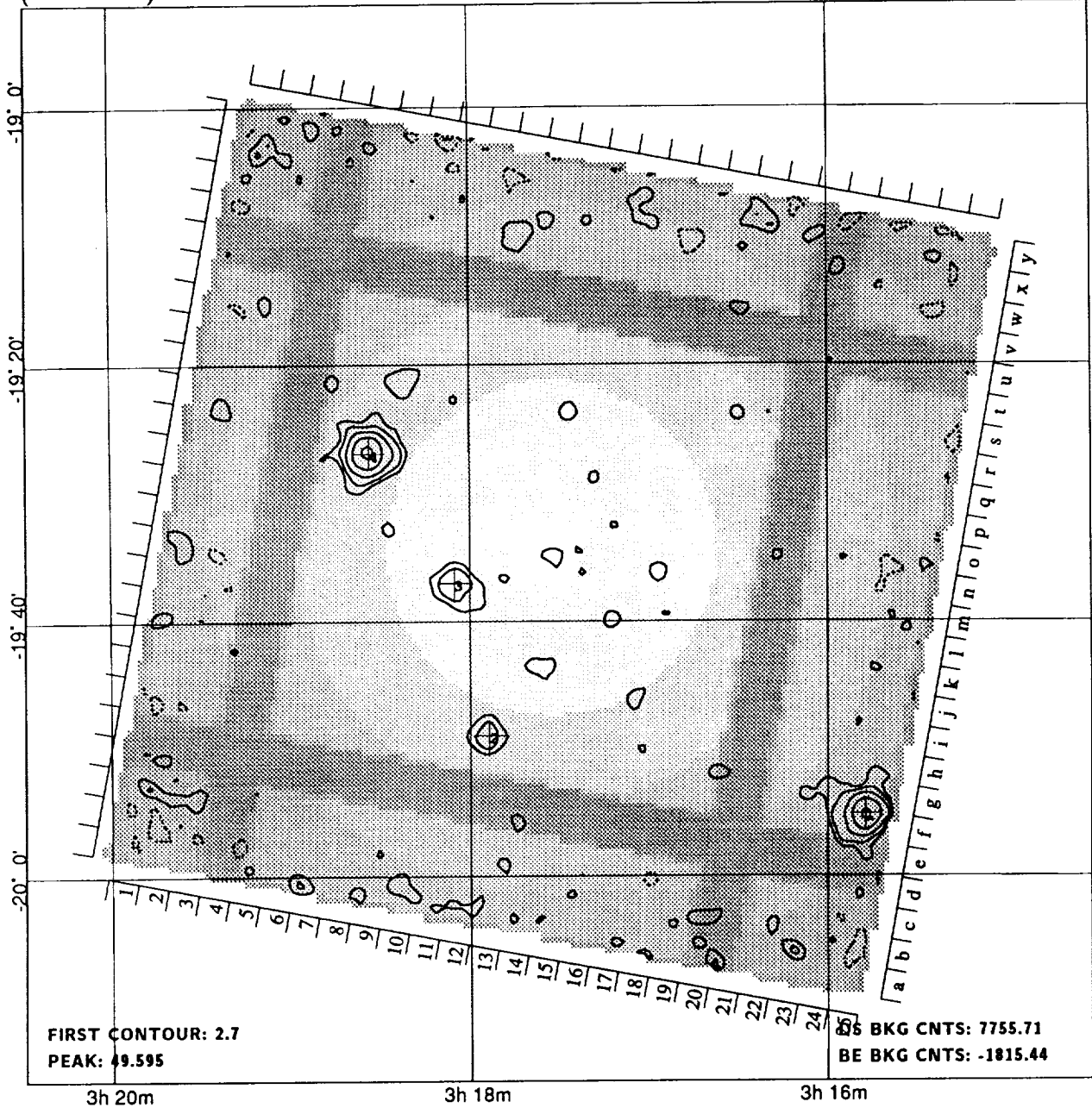
NH: 1.0E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT ± RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
753	1	03 17 00.5	18 34 49	47	0.291 0.017	310.5	4.5	17.5	1.1	0	15.9	H	BL

(3h 17m)

I 2094

(3h 17m)



NGC 1300: NORMAL GALAXY SURVEY

FIELD CENTER: 03^h17^m30.0^s -19°33'59" (B1950)
 03^h19^m45.7^s -19°23'10" (J2000)
 l : 208.13 b : -55.20

DATE: 1979/229 - 1979/229
 LIVETIME: 6284.6s
 ROLL ANGLE: -79.5°

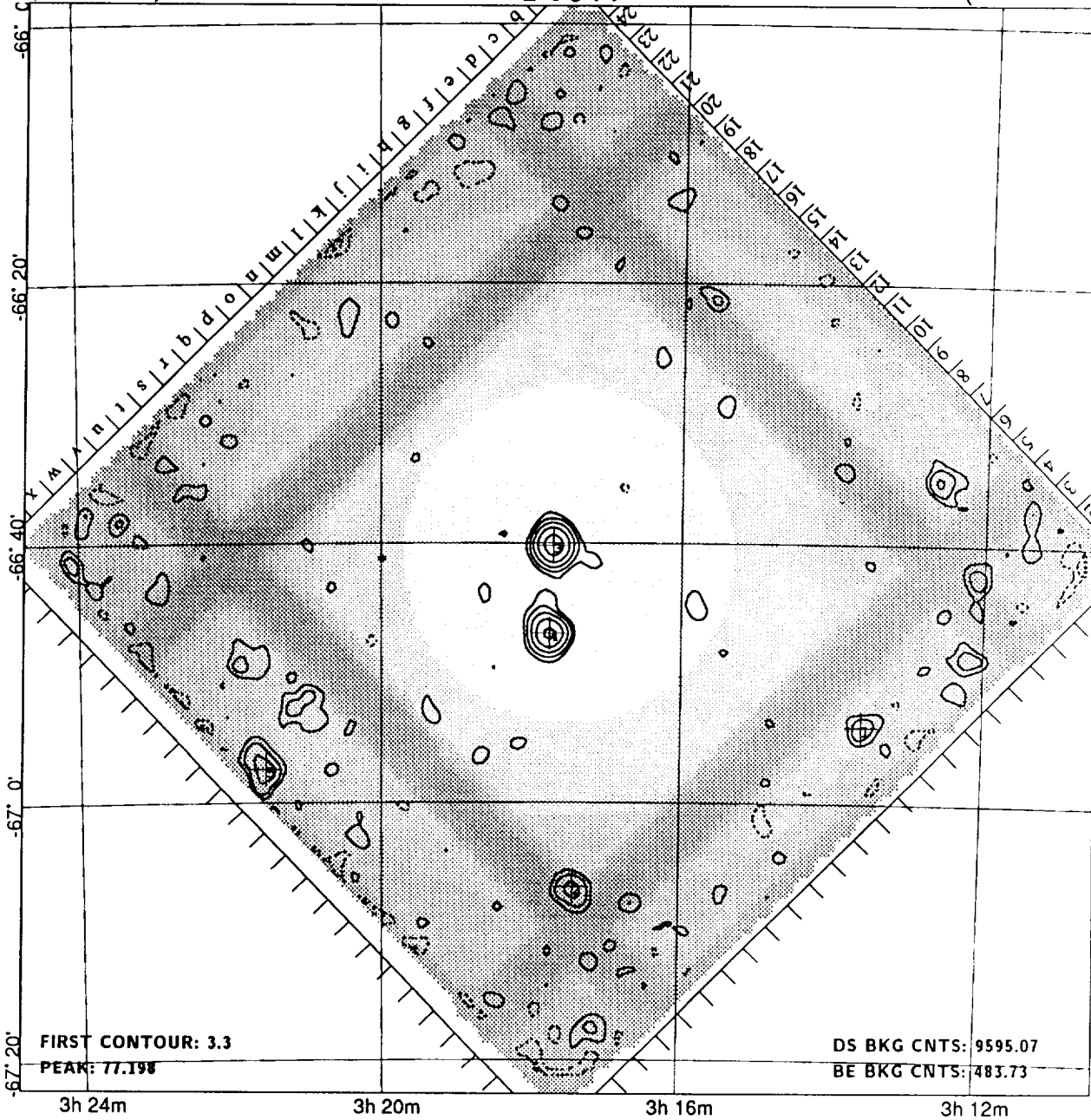
NH: 2.8E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
750	1	03 15 47.4	-19 55 10	48	0.0382	0.0047	75.6	10.4	8.2	1.4	0	31.9	H
757	2	03 17 53.7	-19 48 58	55	0.0084	0.0018	30.8	11.2	4.8	0.9	0	16.2	H
758	3	03 18 05.2	-19 37 01	41	0.0106	0.0018	45.6	15.4	5.8	1.2	0	8.9	H Q
759	4	03 18 33.6	-19 26 54	48	0.0455	0.0037	163.1	10.9	12.4	1.4	0	16.6	H

(3h 17m)

I 7044

(3h 17m)



NGC 1313,LATE GALAXY SURVEY

FIELD CENTER: 03^h17^m39.0^s -66°40'41" (B1950)
 03^h18^m15.4^s -66°29'50" (J2000)
 l : 283.36 b : -44.64

DATE: 1980/ 2 - 1980/ 2
 LIVETIME: 7775.1s
 ROLL ANGLE: 135.5°

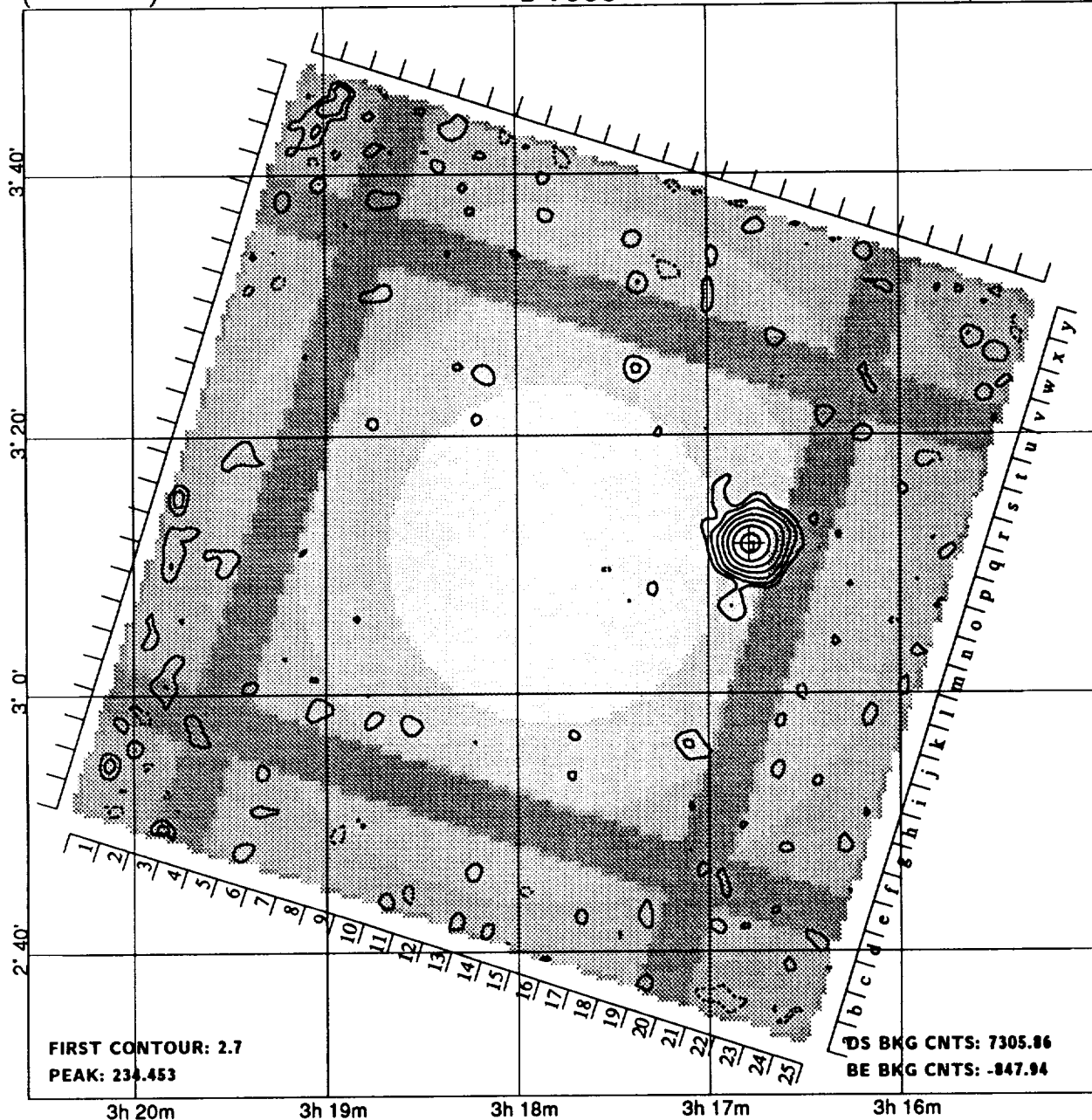
NH: 3.5E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
748	1	03 13 35.5	-66 54 11	55	0.0071	0.0020	22.3	17.7	3.5	0.8	300	27.3	H
754	2	03 17 25.8	-67 06 33	51	*0.0113	0.0022	37.1	13.9	5.2	1.0	1208	25.8	S
755	3	03 17 42.5	-66 40 11	31	0.0548	0.0032	316.4	26.6	17.1	1.1	0	0.8	H G
756	4	03 17 45.2	-66 47 04	38	0.0399	0.0029	218.8	28.2	13.9	1.0	0	6.3	H S
765	5	03 21 32.6	-66 57 25	51	0.0153	0.0028	42.0	19.0	5.4	1.1	500	28.4	H

(3h 17m)

I 7955

(3h 17m)



KAPPA CET(HD 20630),CFA STELLAR SURVEY

FIELD CENTER: $03^h 17^m 45.0^s$ $03^\circ 10' 59''$ (B1950)
 $03^h 20^m 21.7^s$ $03^\circ 21' 47''$ (J2000)
 $l: 178.46$ $b: -42.89$

DATE: 1980/214 - 1980/214
 LIVETIME: 5920.1s
 ROLL ANGLE: -72.4°

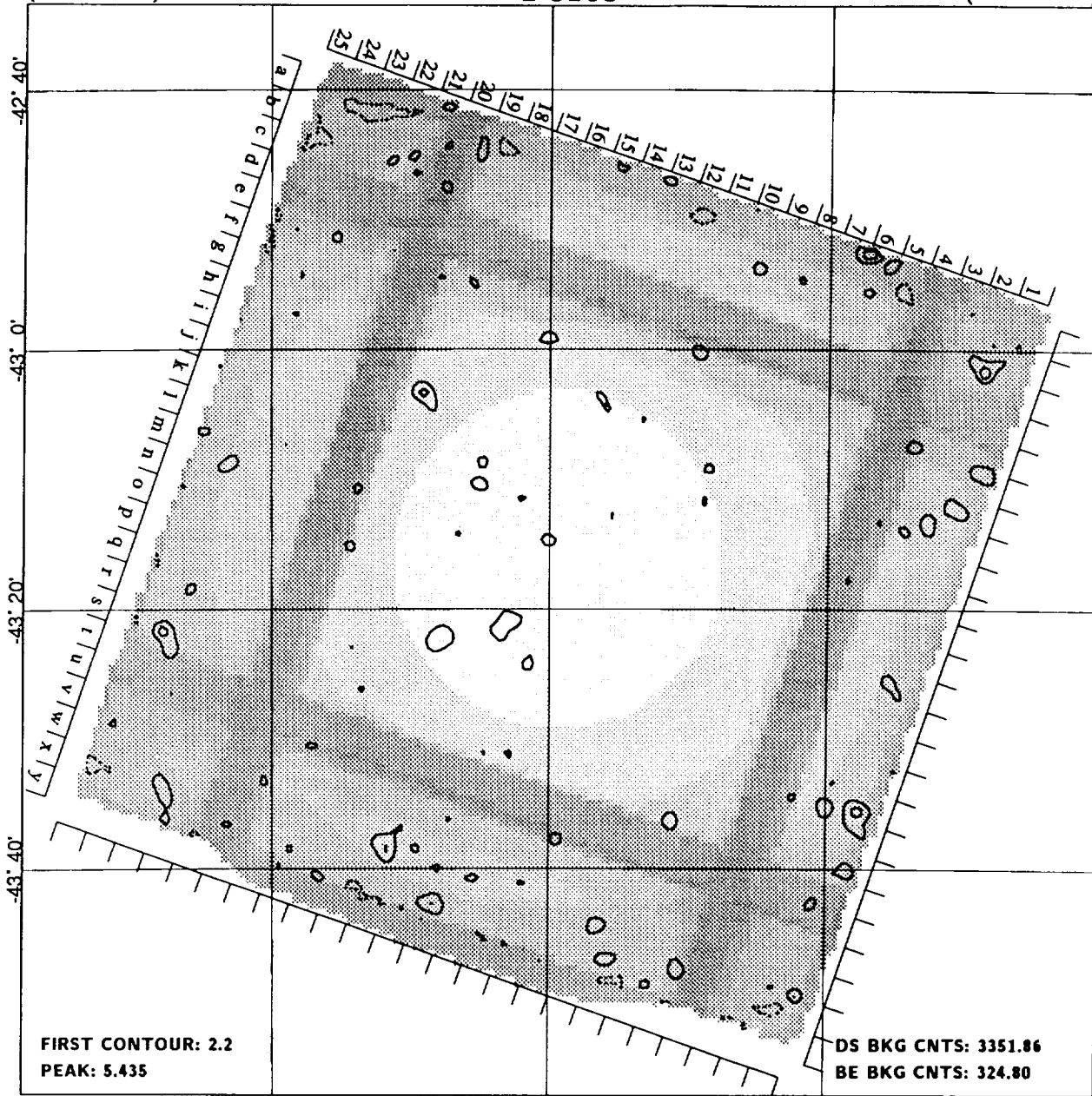
NH: $8.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
752	1	03 16 47.2	03 11 34	37	0.2233	0.0081	777.1	11.9	27.7	1.4	100	14.3	H S

(3h 17m)

I 3105

(3h 17m)



COHERENT SAMPLING OF NEARBY STARS: 82 ERI

FIELD CENTER: $03^h 17^m 56.0^s$ $-43^\circ 15' 35''$ (B1950)
 $03^h 19^m 41.9^s$ $-43^\circ 04' 47''$ (J2000)
 $l: 250.78$ $b: -56.11$

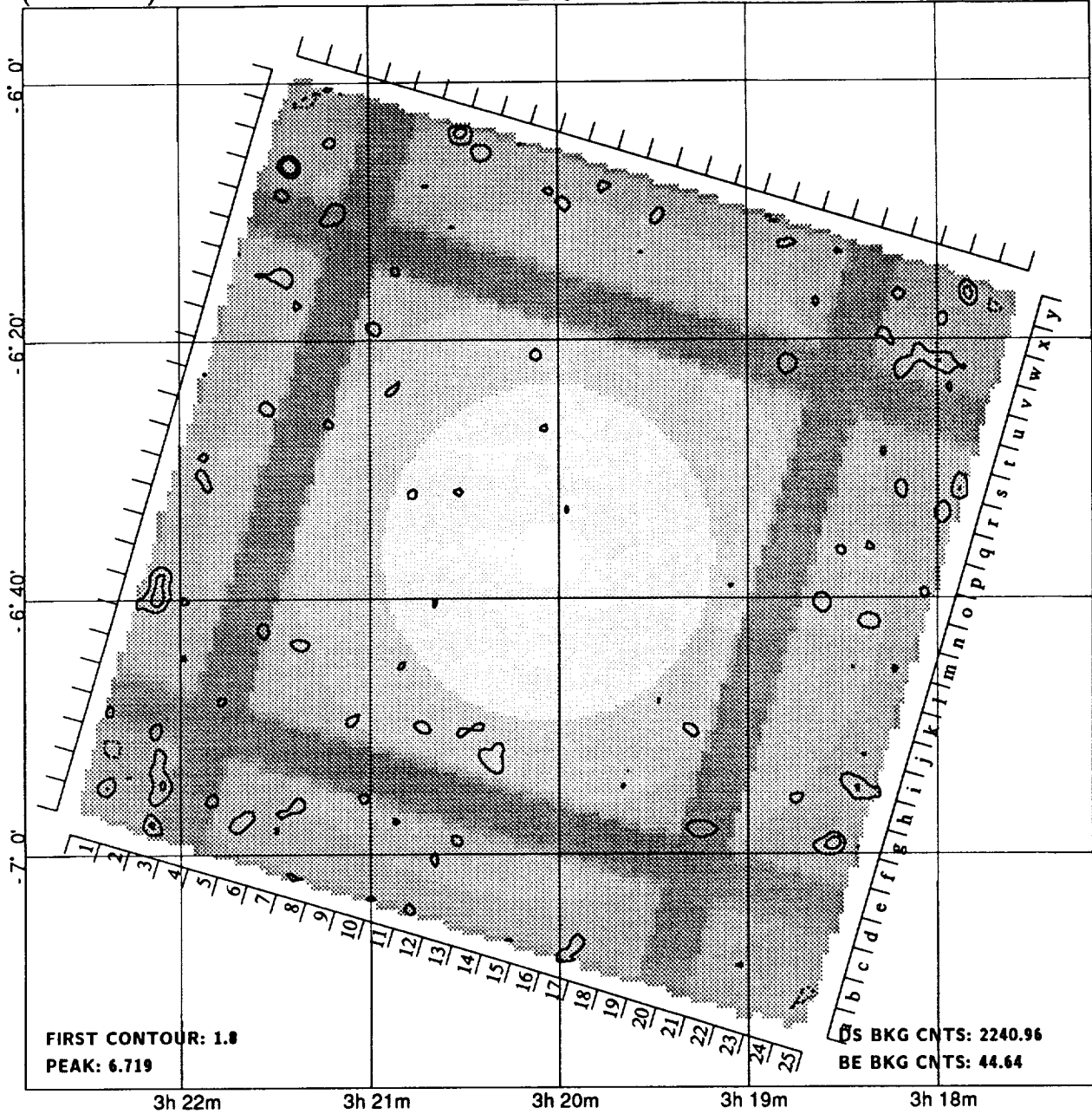
DATE: 1979/ 27 - 1979/ 29
 LIVETIME: 2716.1s
 ROLL ANGLE: 109.1°

NH: $2.1E+20$
 REF/ID:
 FIELD FLAGS:

(3h 20m)

I 4972

(3h 20m)



SOFT SOURCE IN ERIDANUS #1

FIELD CENTER: $03^h 20^m 00.0^s -06^\circ 35' 59''$ (B1950)
 $03^h 22^m 27.9^s -06^\circ 25' 19''$ (J2000)
 $l: 189.90 \quad b: -48.61$

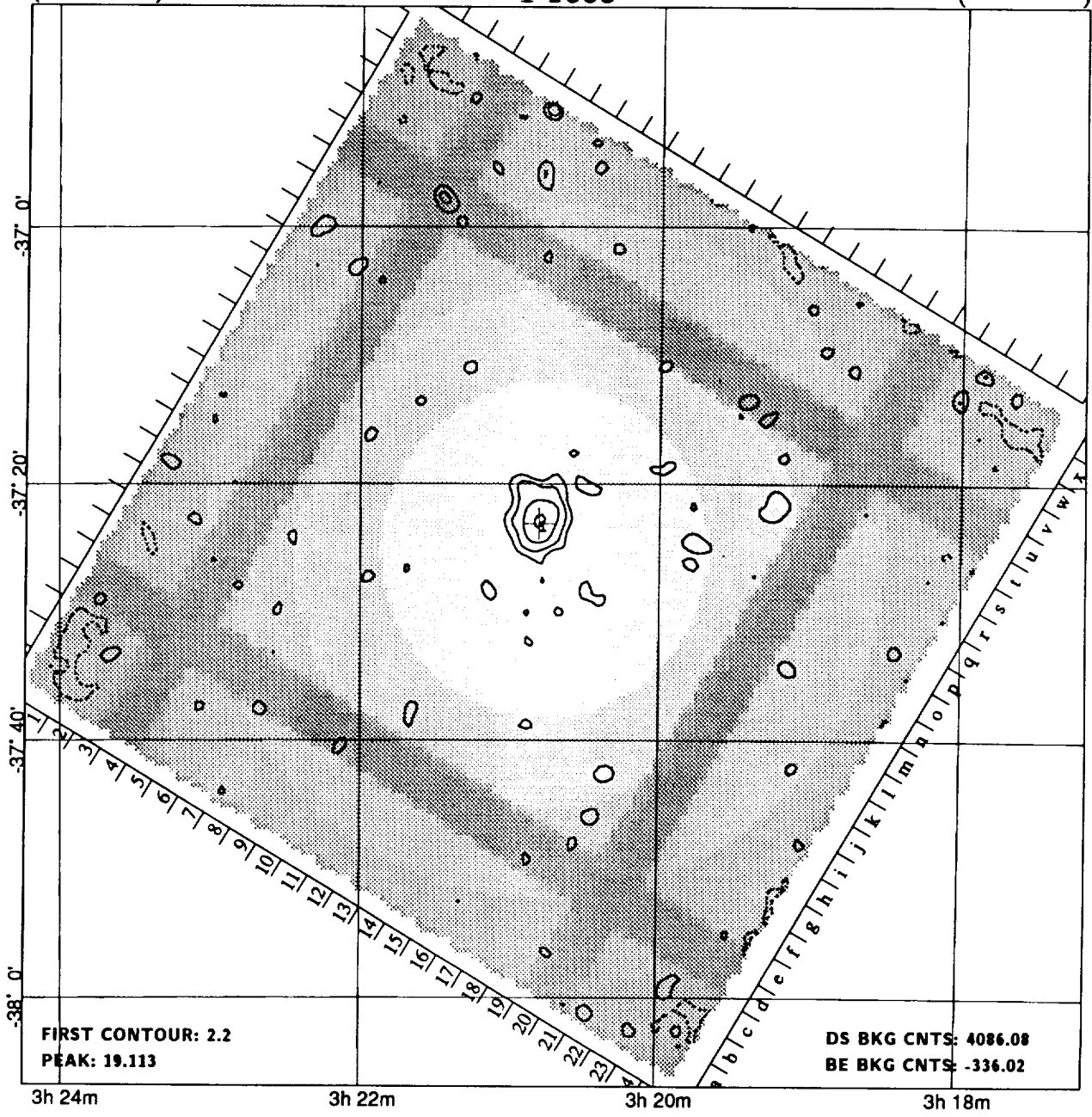
DATE: 1980/220 - 1980/220
 LIVETIME: 1815.9s
 ROLL ANGLE: -73.5°

NH: $4.4E+20$
 REF/ID:
 FIELD FLAGS:

(3h 20m)

I 1883

(3h 20m)



NGC1316=FORNAX: X-RAY STUDY OF RADIO GALAXIES

FIELD CENTER: 03^h20^m42.0^s -37°24'59" (B1950)
 03^h22^m36.5^s -37°14'20" (J2000)
l: 240.22 *b*: -56.70

DATE: 1979/190 - 1979/190
 LIVETIME: 3311.1s
 ROLL ANGLE: -59.3°

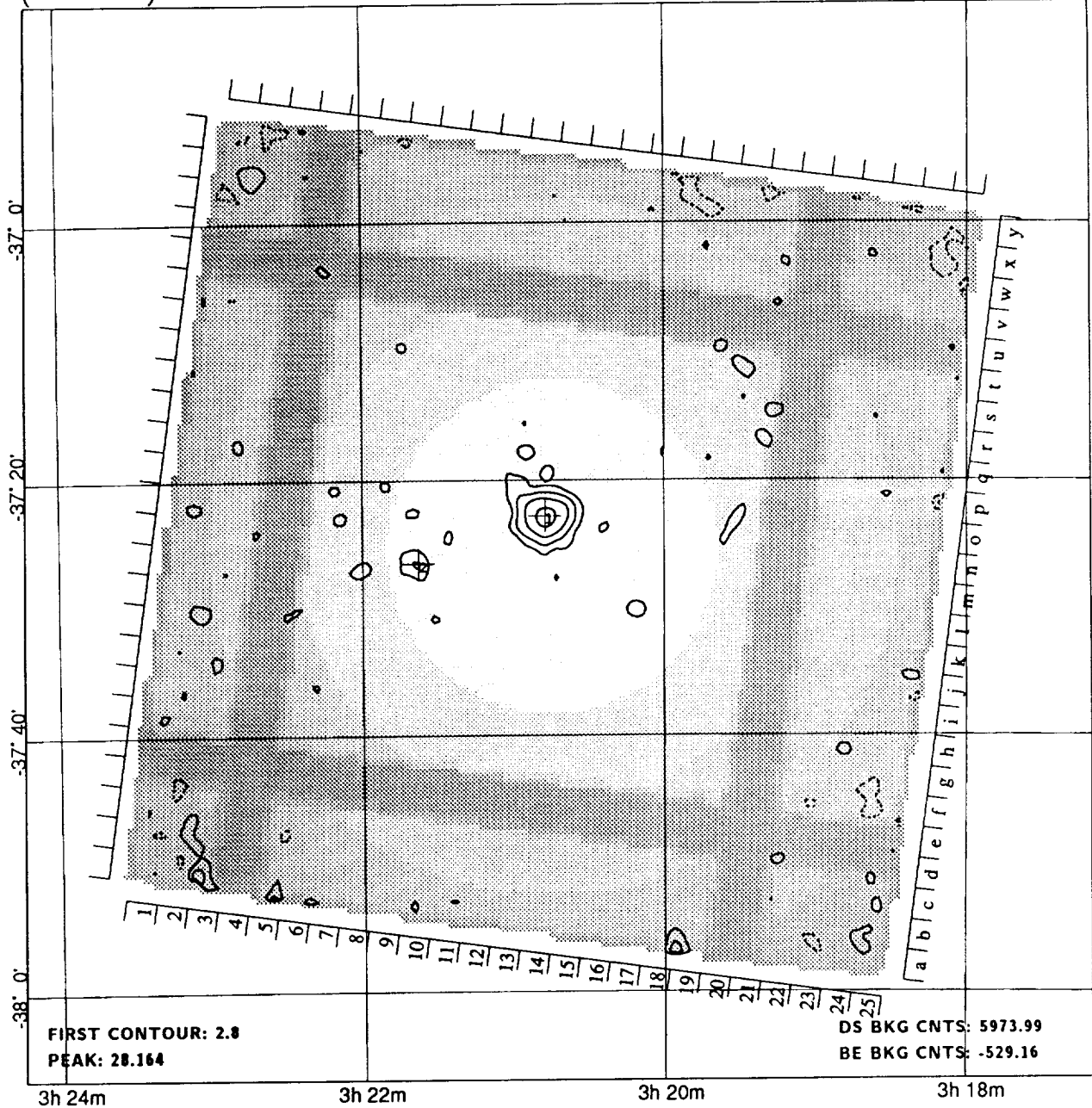
NH: 2.0E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	FLG
761	1	03 20 48.4	-37 23 08	32	0.0351	0.0040	85.7	8.3	8.8	1.9	0	2.7	AH	G

(3h 20m)

I 1884

(3h 20m)



NGC1316=FORNAX: X-RAY STUDY OF RADIO GALAXIES

FIELD CENTER: $03^{\text{h}}20^{\text{m}}42.0^{\text{s}}$ $-37^{\circ}24'59''$ (B1950)
 $03^{\text{h}}22^{\text{m}}36.5^{\text{s}}$ $-37^{\circ}14'20''$ (J2000)
 $l: 240.22$ $b: -56.70$

DATE: 1979/228 - 1979/229
 LIVETIME: 4840.9s
 ROLL ANGLE: -82.3°

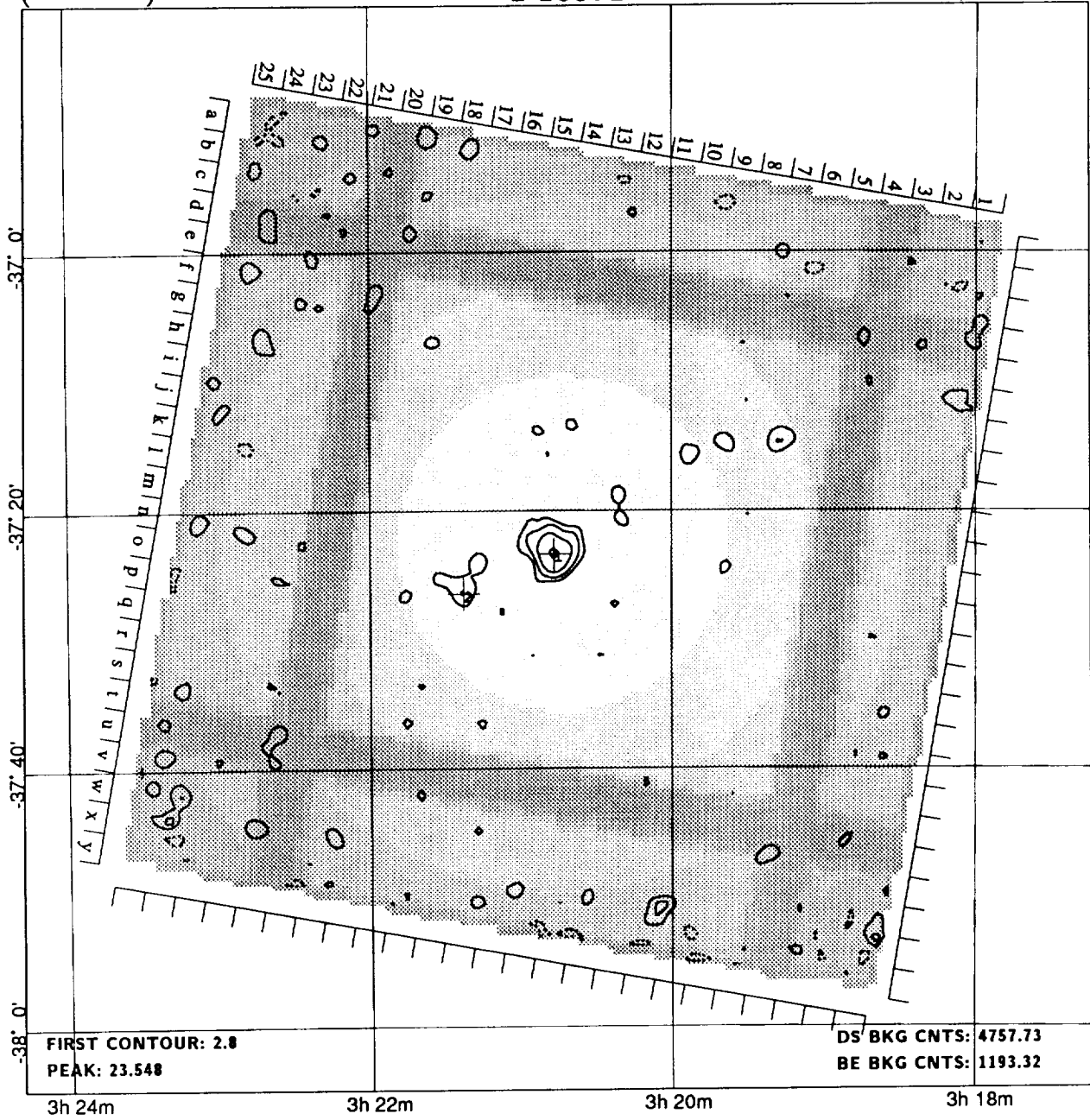
NH: $2.0\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
761	1	03 20 47.4	-37 22 45	31	0.0353	0.0033	125.3	12.7	10.7	1.6	0	2.6	AH	G
766	2	03 21 37.8	-37 26 28	47	0.0067	0.0018	21.3	9.7	3.8	0.6	0	11.4	H	

(3h 20m)

I 10571

(3h 20m)



FIRST CONTOUR: 2.8
 PEAK: 23.548

DS' BKG CNTS: 4757.73
 BE BKG CNTS: 1193.32

3h 24m

3h 22m

3h 20m

3h 18m

TYPE I SNR IN FORNAX A (NGC 1316)

FIELD CENTER: 03^h20^m46.0^s -37°22'59" (B1950)
 03^h22^m40.5^s -37°12'21" (J2000)
 l : 240.16 b : -56.69

DATE: 1981/ 40 - 1981/ 40
 LIVETIME: 3855.3s
 ROLL ANGLE: 100.1°

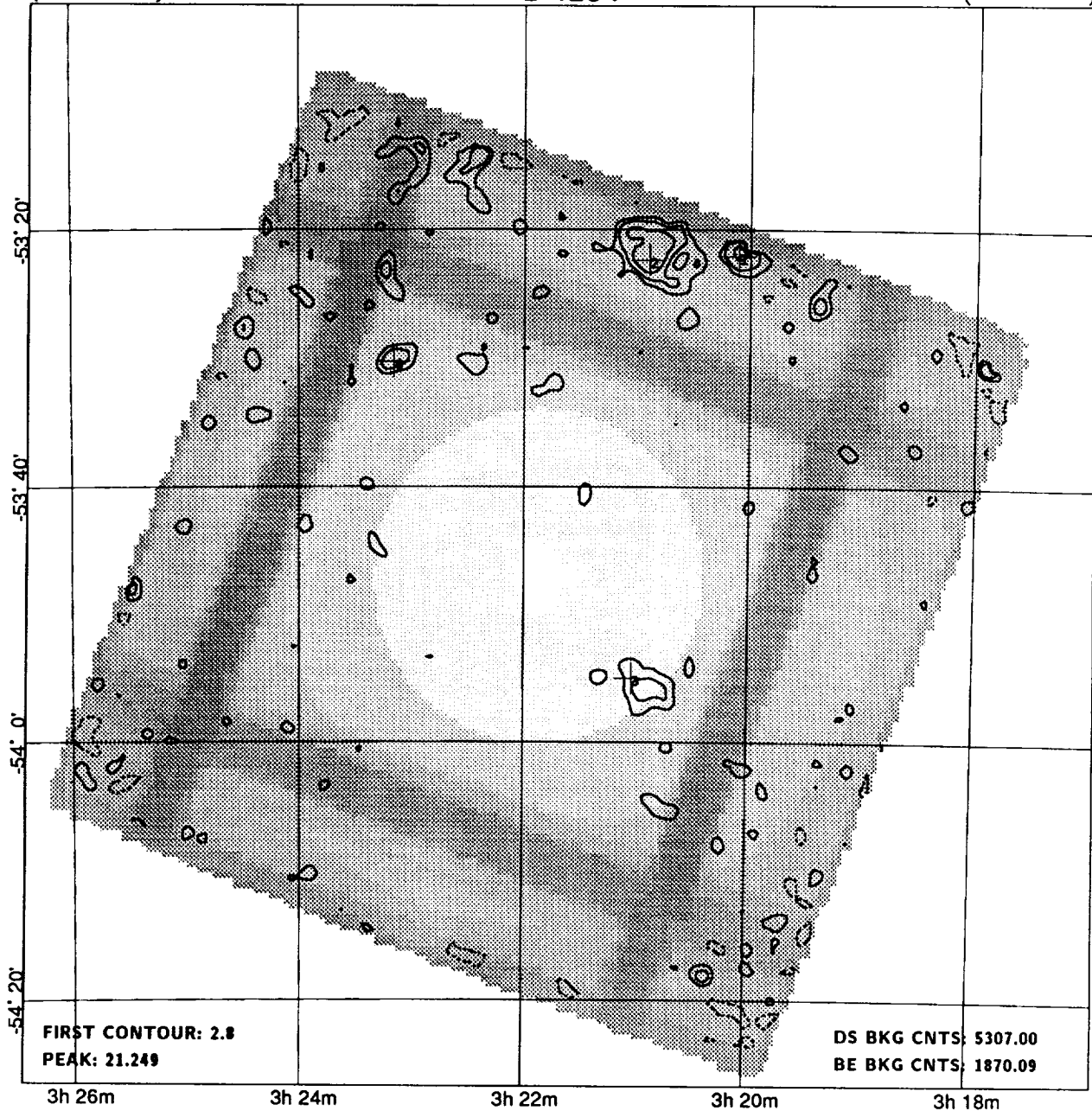
NH: 2.0E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
761	1	03 20 46.7	-37 23 24	31	0.0411	0.0040	117.7	15.3	10.2	1.4	0	0.2	AH	G
764	2	03 21 22.9	-37 26 28	47	0.0082	0.0023	21.4	13.6	3.6	0.8	0	8.4	H	

(3h 21m)

I 4254

(3h 21m)



OPTICALLY BRIGHT, RADIO-QUIET QSO

FIELD CENTER: 03^h 21^m 40.0^s -53° 44' 39" (B1950)
 03^h 23^m 03.6^s -53° 34' 03" (J2000)
 $l: 266.94$ $b: -51.62$

DATE: 1979/210 - 1979/211
 LIVETIME: 4300.4s

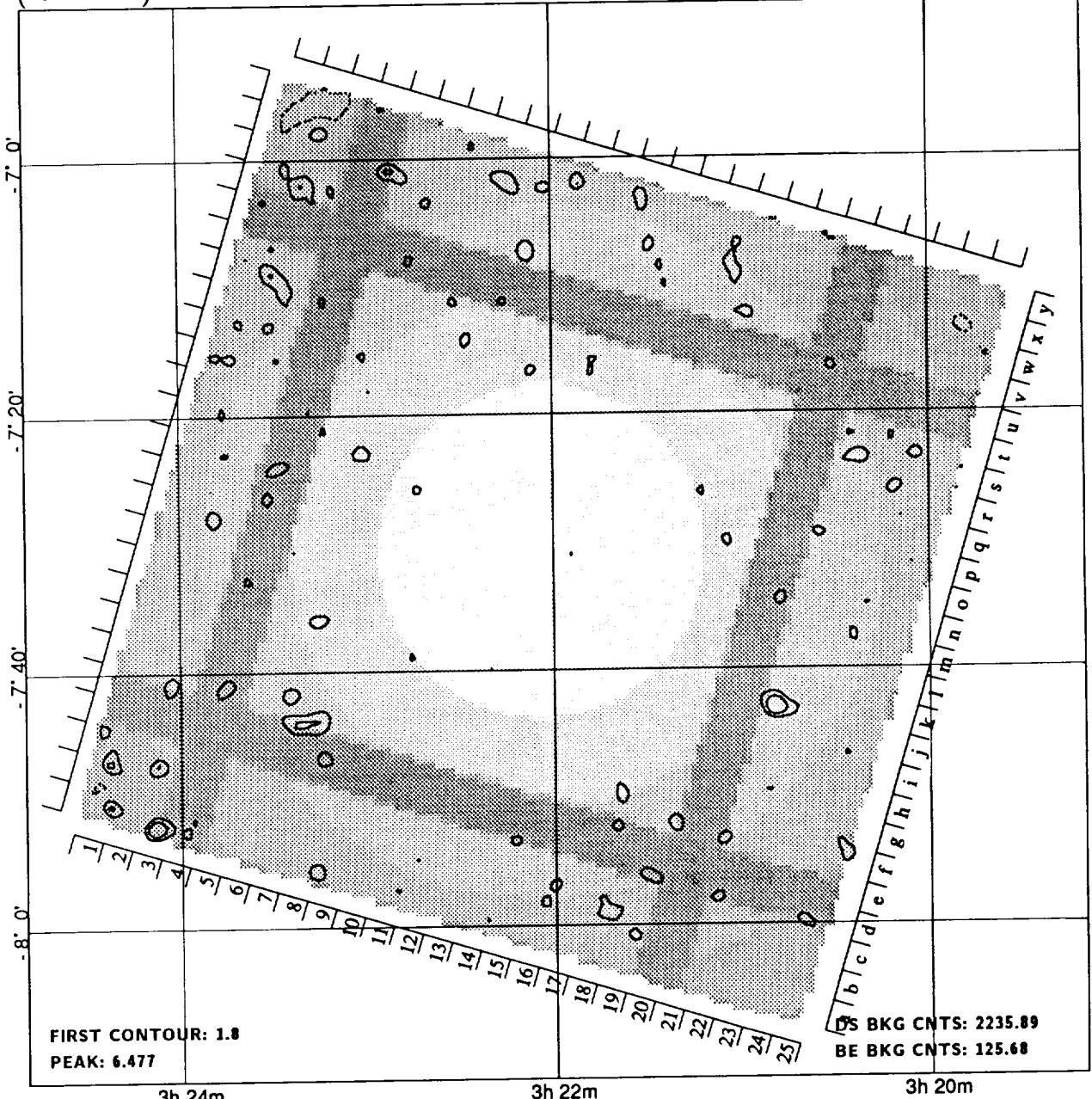
NH: 2.3E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
760	1	03 20 06.2	-53 22 04	53	*0.0185 0.0047	23.9	12.1	4.0	1.0	603	26.5	EH
762	2	03 20 53.6	-53 22 24	50	0.0334 0.0048	59.0	12.0	7.0	2.3	0	23.6	H
763	3	03 21 01.9	-53 54 56	48	0.0083 0.0022	23.6	16.4	3.7	1.4	0	12.7	
768	4	03 23 09.5	-53 30 18	53	0.0112 0.0027	24.4	11.6	4.1	0.8	0	19.8	H

(3h 22m)

I 4973

(3h 22m)



FIRST CONTOUR: 1.8
PEAK: 6.477

PS BKG CNTS: 2235.89
BE BKG CNTS: 125.68

3h 24m

3h 22m

3h 20m

SOFT SOURCE IN ERIDANUS #2

FIELD CENTER: 03^h22^m00.0^s -07°29'59" (B1950)
03^h24^m27.0^s -07°19'26" (J2000)
ℓ: 191.45 b: -48.70

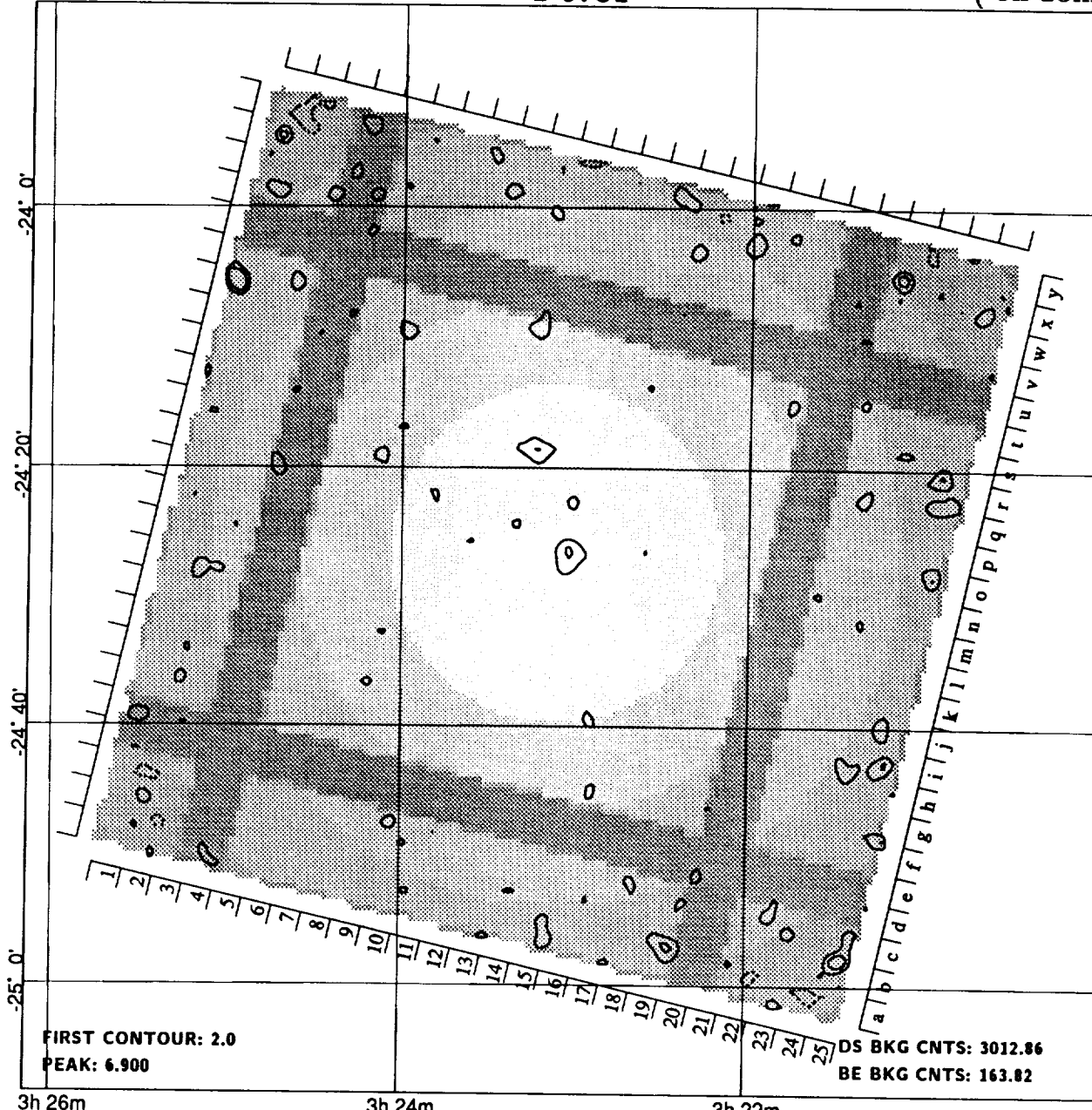
DATE: 1980/220 - 1980/220
LIVETIME: 1811.8s
ROLL ANGLE: -73.4°

NH: 4.7E+20
REF/ID:
FIELD FLAGS:

(3h 23m)

I 6731

(3h 23m)



SEARCH FOR HIGH LX QSO'S: 6

FIELD CENTER: $03^h 23^m 03.3^s$ $-24^\circ 26' 21''$ (B1950)
 $03^h 25^m 13.5^s$ $-24^\circ 15' 51''$ (J2000)
 $l: 216.98$ $b: -55.37$

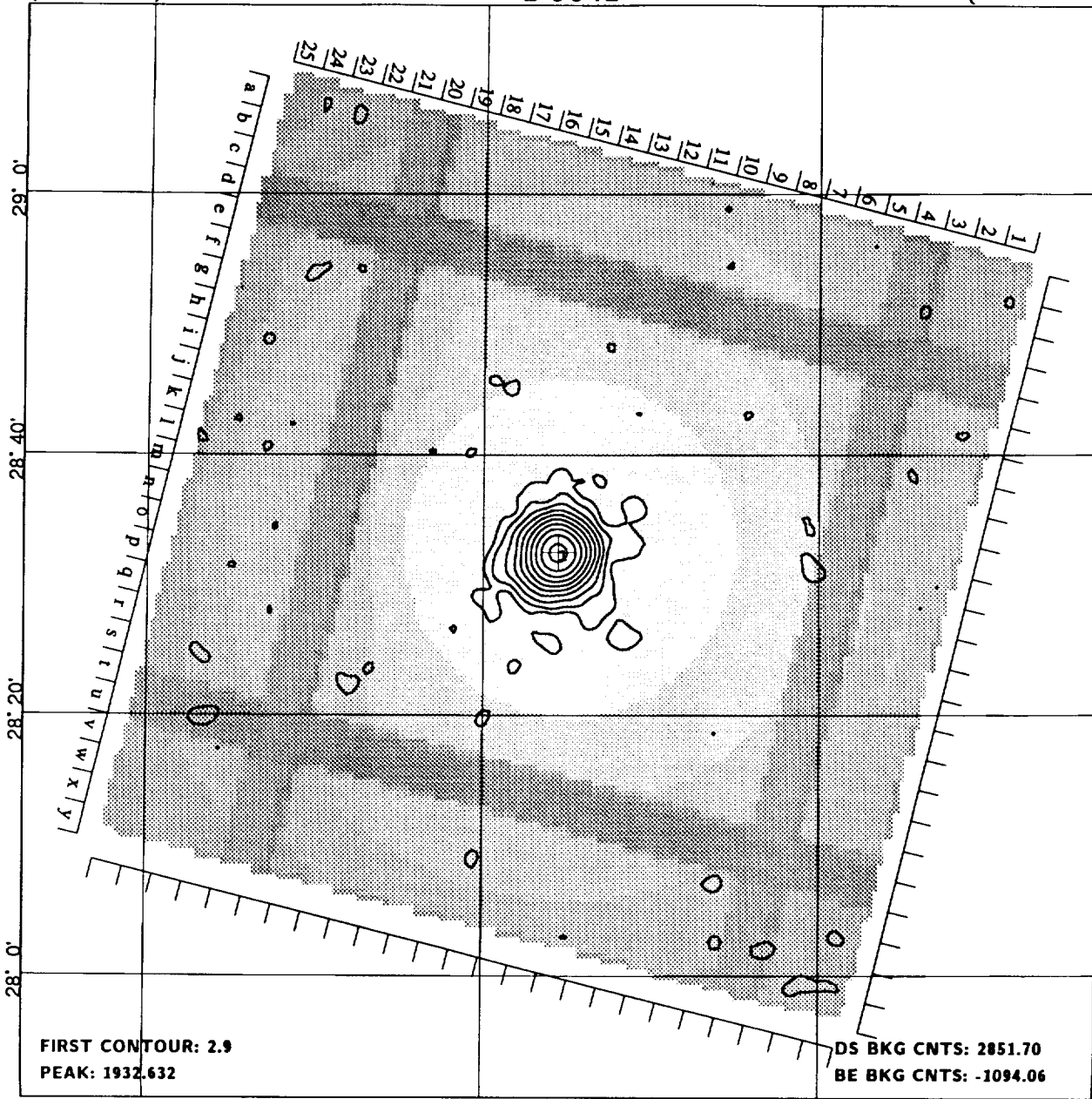
DATE: 1980/225 - 1980/225
 LIVETIME: 2441.4s
 ROLL ANGLE: -77.0°

NH: $1.4E+20$
 REF/ID:
 FIELD FLAGS:

(3h 23m)

I 9041

(3h 23m)



FIRST CONTOUR: 2.9
PEAK: 1932.632

DS BKG CNTS: 2851.70
BE BKG CNTS: -1094.06

3h 26m

3h 24m

3h 22m

RS CV_n FOLLOWUP: UX Ari

FIELD CENTER: 03^h23^m32.9^s 28°32'31" (B1950)
03^h26^m35.1^s 28°42'58" (J2000)
ℓ: 159.55 b: -22.91

DATE: 1981/ 41 - 1981/ 41
LIVETIME: 2310.8s
ROLL ANGLE: 104.0°

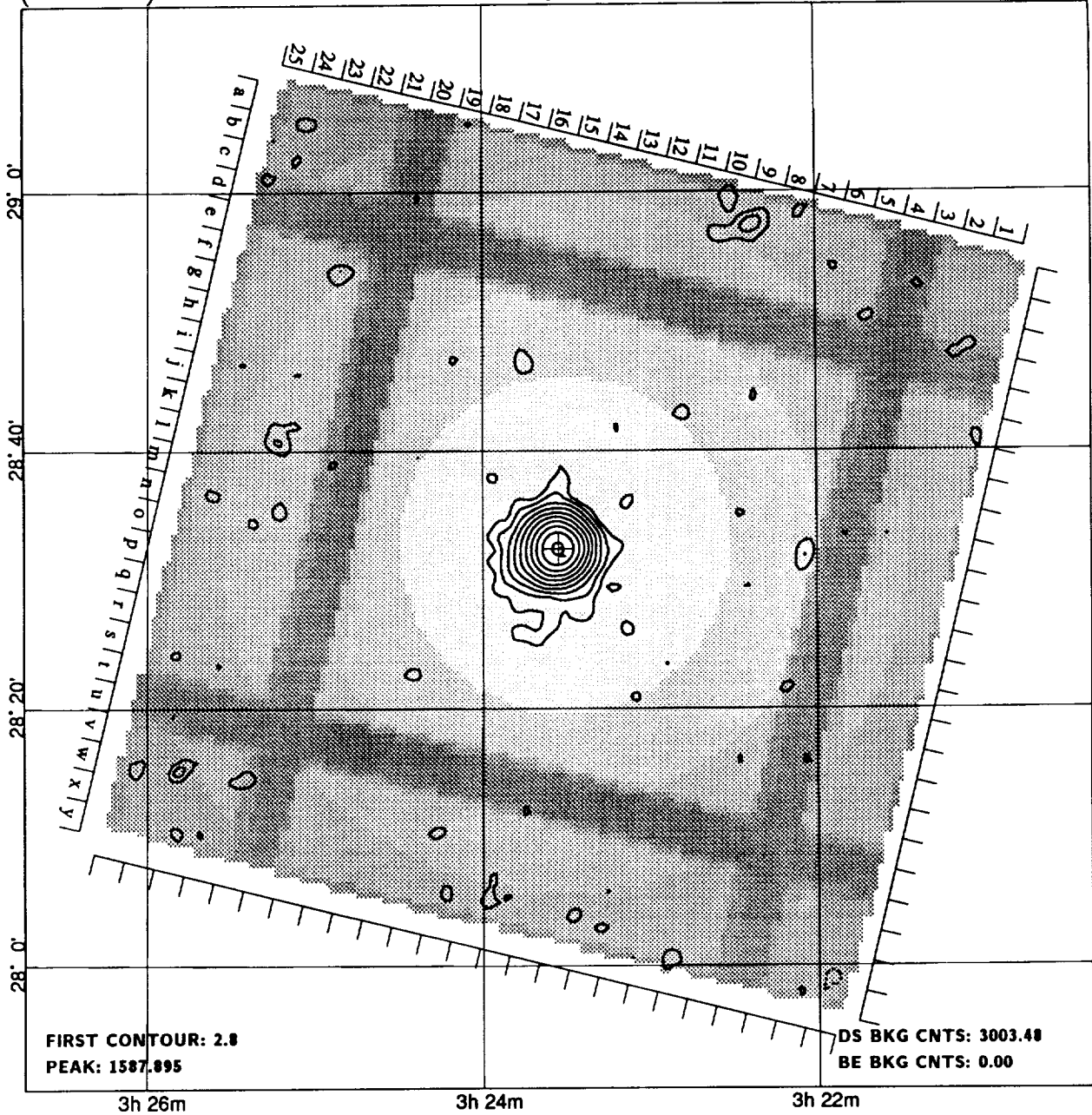
NH: 1.2E+21
REF/ID:
FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
770	1L	03 23 33.0	28 32 26	31	4.360	0.061	7500.6	1006.4	71.5	1.3	0	0.1	A

(3h 23m)

I 9042

(3h 23m)



RS CV_n FOLLOWUP: UX Ari

FIELD CENTER: 03^h23^m32.9^s 28°32'31" (B1950)
 03^h26^m35.1^s 28°42'58" (J2000)
 l : 159.55 b : -22.91

DATE: 1981/ 40 - 1981/ 40
 LIVETIME: 2433.8s
 ROLL ANGLE: 103.7°

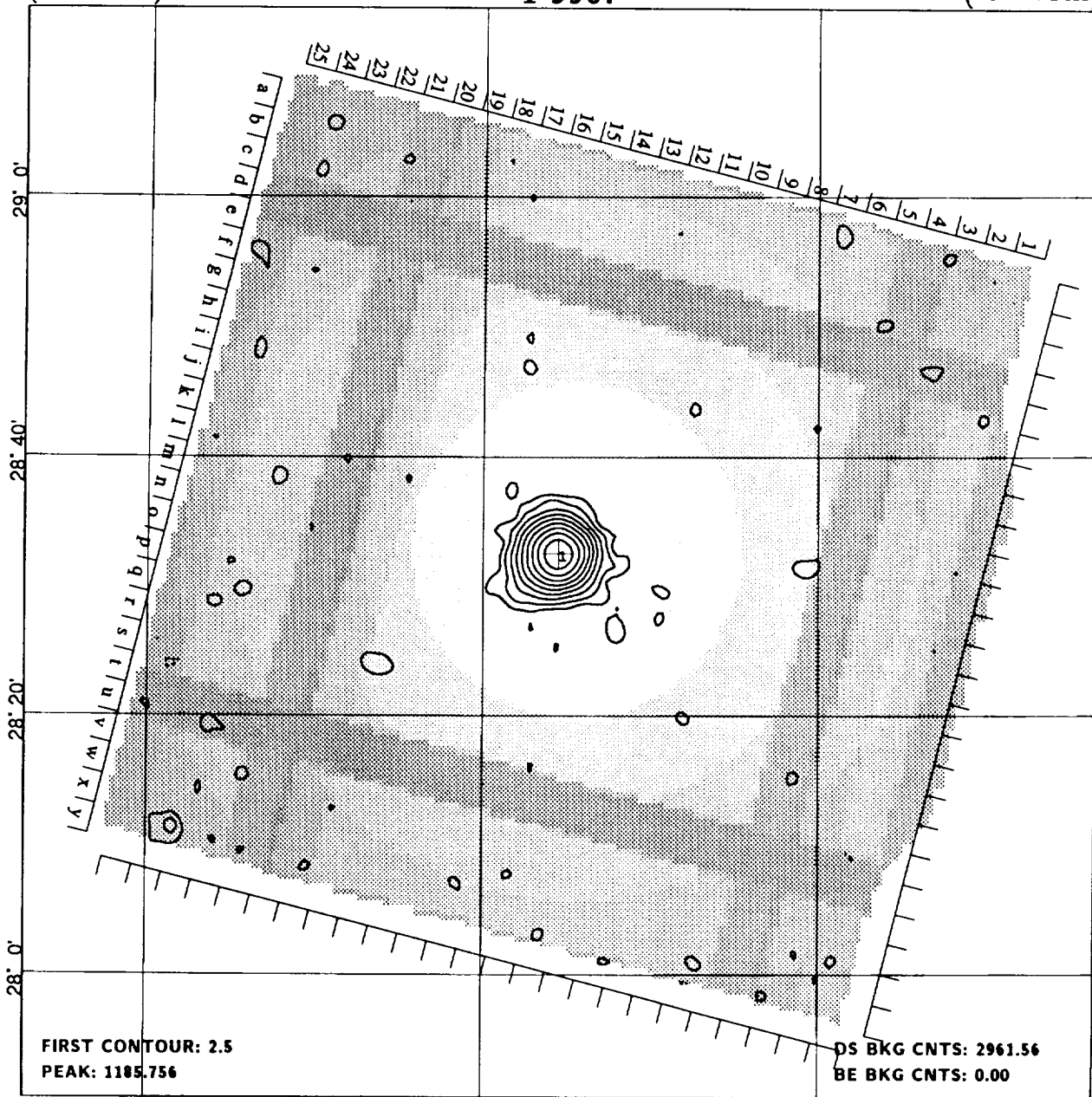
NH: 1.2E+21
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
770	1L	03 23 32.9	28 32 25	31	3.466 0.052	6288.6	747.4	66.1	1.3	0	0.1	A

(3h 23m)

I 9967

(3h 23m)



FIRST CONTOUR: 2.5
PEAK: 1185.756

DS BKG CNTS: 2961.56
BE BKG CNTS: 0.00

3h 26m

3h 24m

3h 22m

RS CVN FOLLOW-UP:UX ARI

FIELD CENTER: $03^h 23^m 32.9^s$ $28^\circ 32' 31''$ (B1950)
 $03^h 26^m 35.1^s$ $28^\circ 42' 58''$ (J2000)
 $l: 159.55$ $b: -22.91$

DATE: 1981/ 43 - 1981/ 43
LIVETIME: 2399.8s
ROLL ANGLE: 104.3°

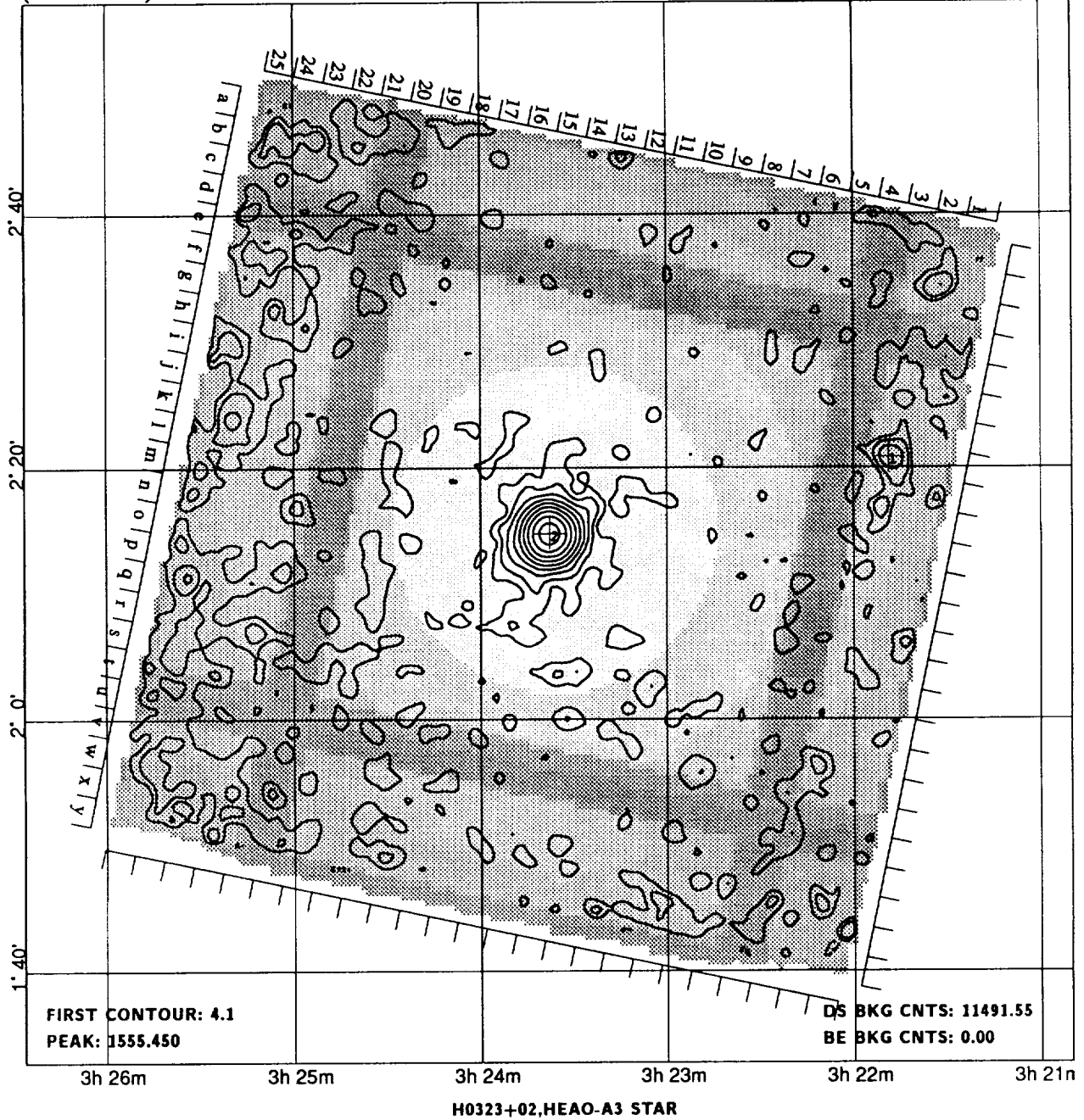
NH: $1.2E+21$
REF/ID:
FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
770	1L	03 23 32.9	28 32 31	31	2.593	0.047	4634.5	729.5	55.4	1.3	0	0.1	A

(3h 23m)

I 10632

(3h 23m)



FIELD CENTER: $03^h 23^m 38.0^s$ $02^\circ 14' 46''$ (B1950)
 $03^h 26^m 13.9^s$ $02^\circ 25' 14''$ (J2000)
 $l: 180.75$ $b: -42.43$

DATE: 1981/ 50 - 1981/ 51
 LIVETIME: 9311.9s
 ROLL ANGLE: 101.8°

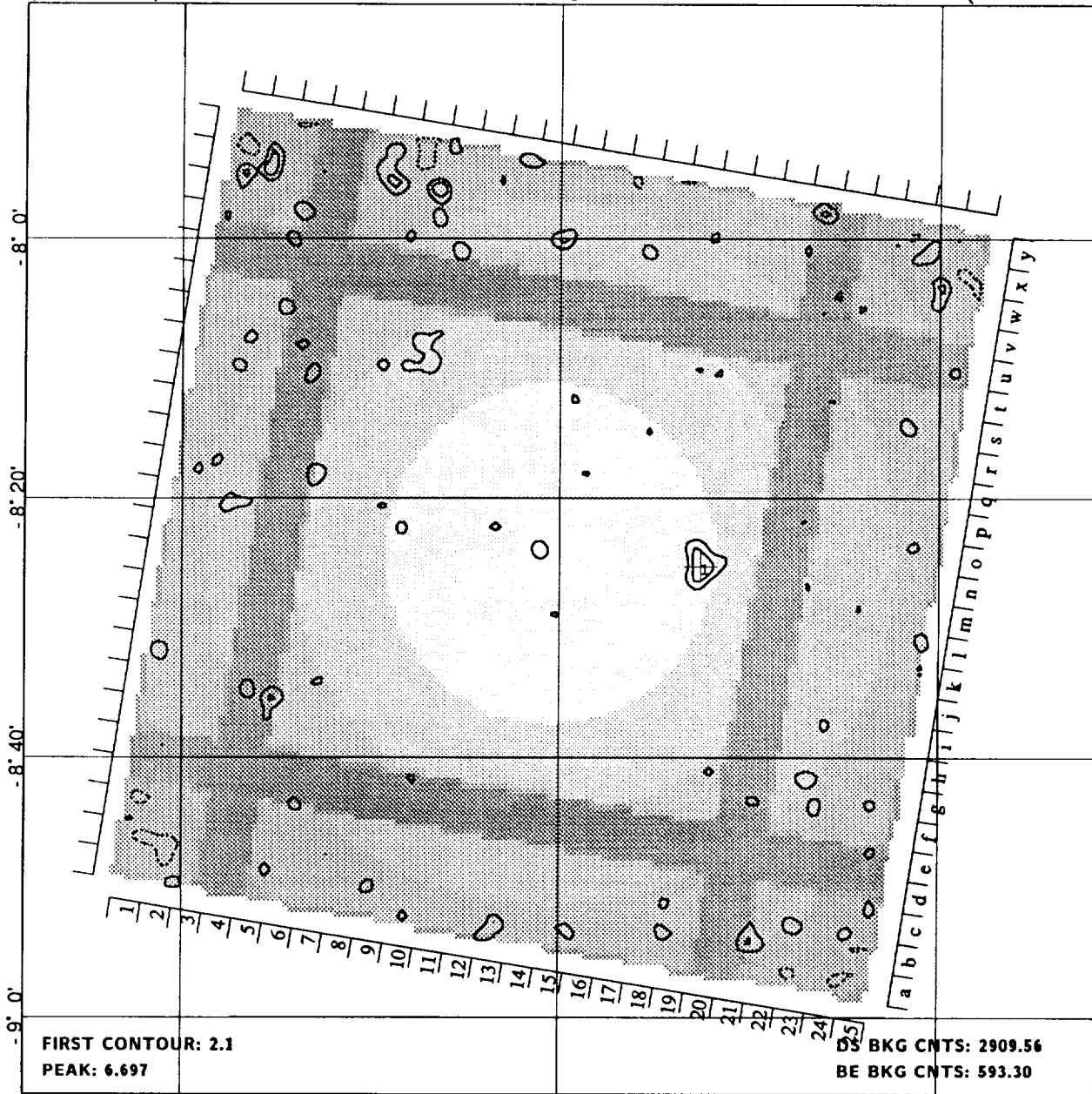
NH: 8.5E+20
 REF/ID: !
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
767	1L	03 21 48.8	02 20 49	50	0.0135 0.0030	49.4	26.6	4.4	1.5	500	27.8	
771	2L	03 23 37.8	02 14 47	31	0.898 0.013	6232.0	467.0	67.7	1.2	0	0.1	BL

(3h 24m)

I 4974

(3h 24m)



SOFT SOURCE IN ERIDANUS #3

FIELD CENTER: 03^h24^m00.0^s -08°23'59" (B1950)
 03^h26^m26.1^s -08°13'33" (J2000)
 l : 193.00 b : -48.78

DATE: 1980/237 - 1980/237
 LIVETIME: 2357.7s
 ROLL ANGLE: -80.9°

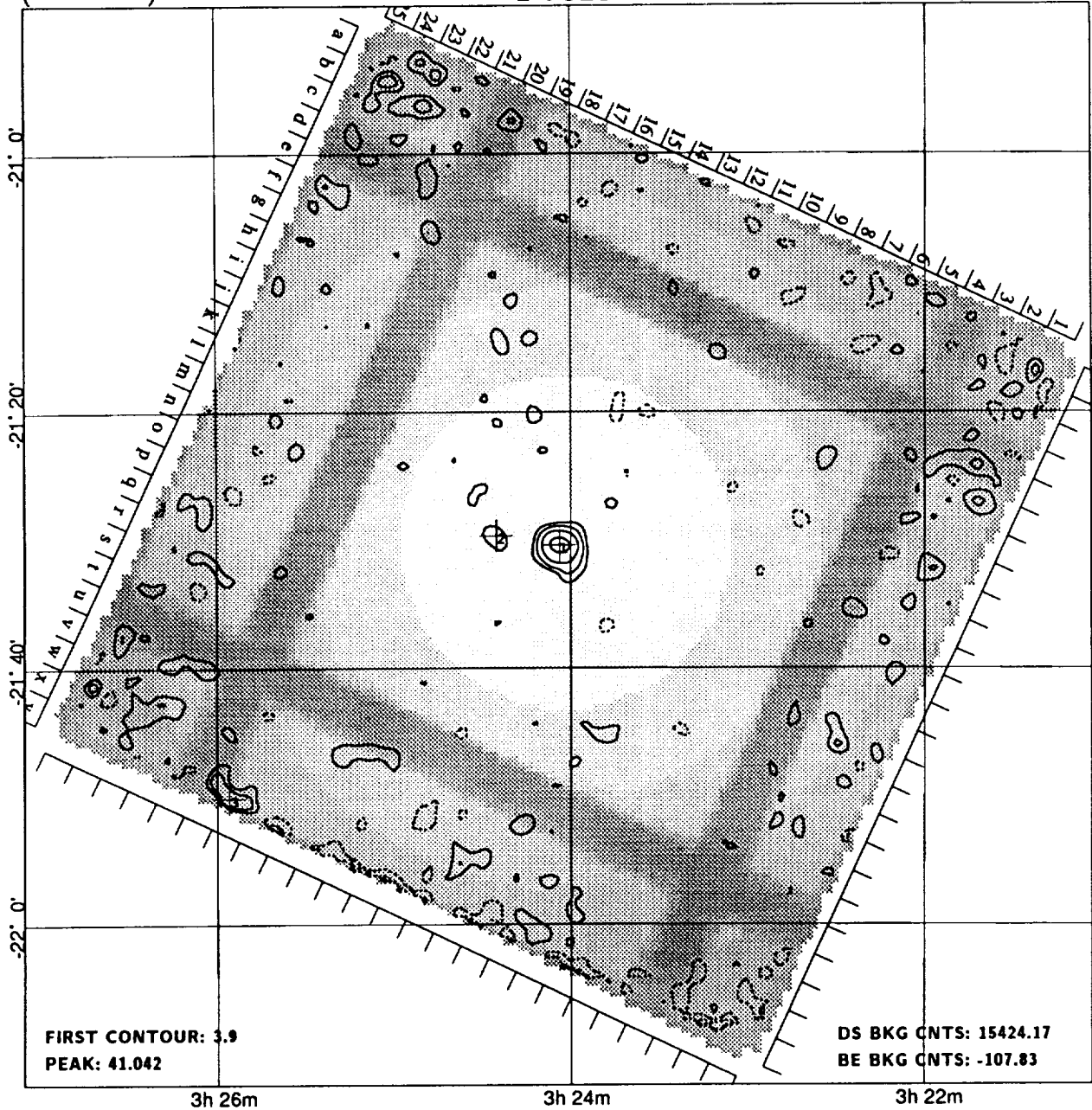
NH: 4.7E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID FLG
769	1	03 23 15.1	-08 25 13	43	0.0121	0.0034	18.4	7.6	3.6	1.0	0	11.1		

(3h 24m)

I 7028

(3h 24m)



NGC 1332,EARLY GALAXY SURVEY

FIELD CENTER: 03^h24^m04.0^s -21°30'29" (B1950)
 03^h26^m17.3^s -21°20'03" (J2000)
 l : 212.18 b : -54.37

DATE: 1980/ 20 - 1980/ 23
 LIVETIME: 12498.6s
 ROLL ANGLE: 115.1°

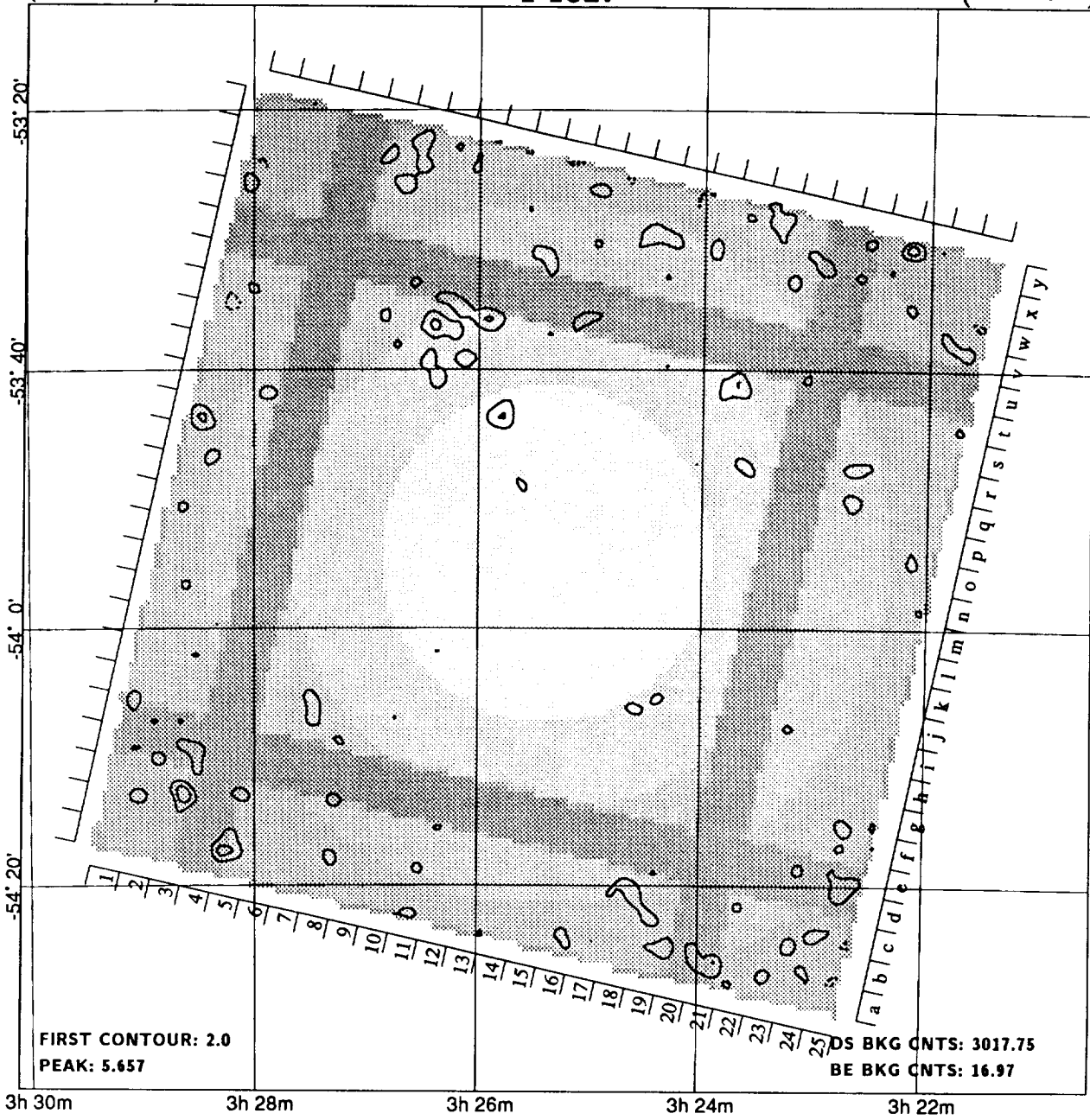
NH: 2.2E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
772	1	03 24 03.8	-21 30 24	31	0.0188	0.0016	175.4	38.6	12.0	1.2	0	0.2	H	G
774	2	03 24 25.3	-21 29 41	46	0.00319	0.00090	28.3	34.7	3.6	0.6	0	5.6		
780	3	03 25 55.9	-21 50 09	56	*0.0089	0.0024	25.8	21.2	3.8	1.7	1207	32.9	EH	

(3h 25m)

I 1827

(3h 25m)



CA325-539: X-RAY STUDY OF CLUSTERS OF GALAXIES

FIELD CENTER: $03^h 25^m 18.0^s - 53^\circ 53' 59''$ (B1950)
 $03^h 26^m 40.2^s - 53^\circ 43' 35''$ (J2000)
 $l: 266.77 \quad b: -51.07$

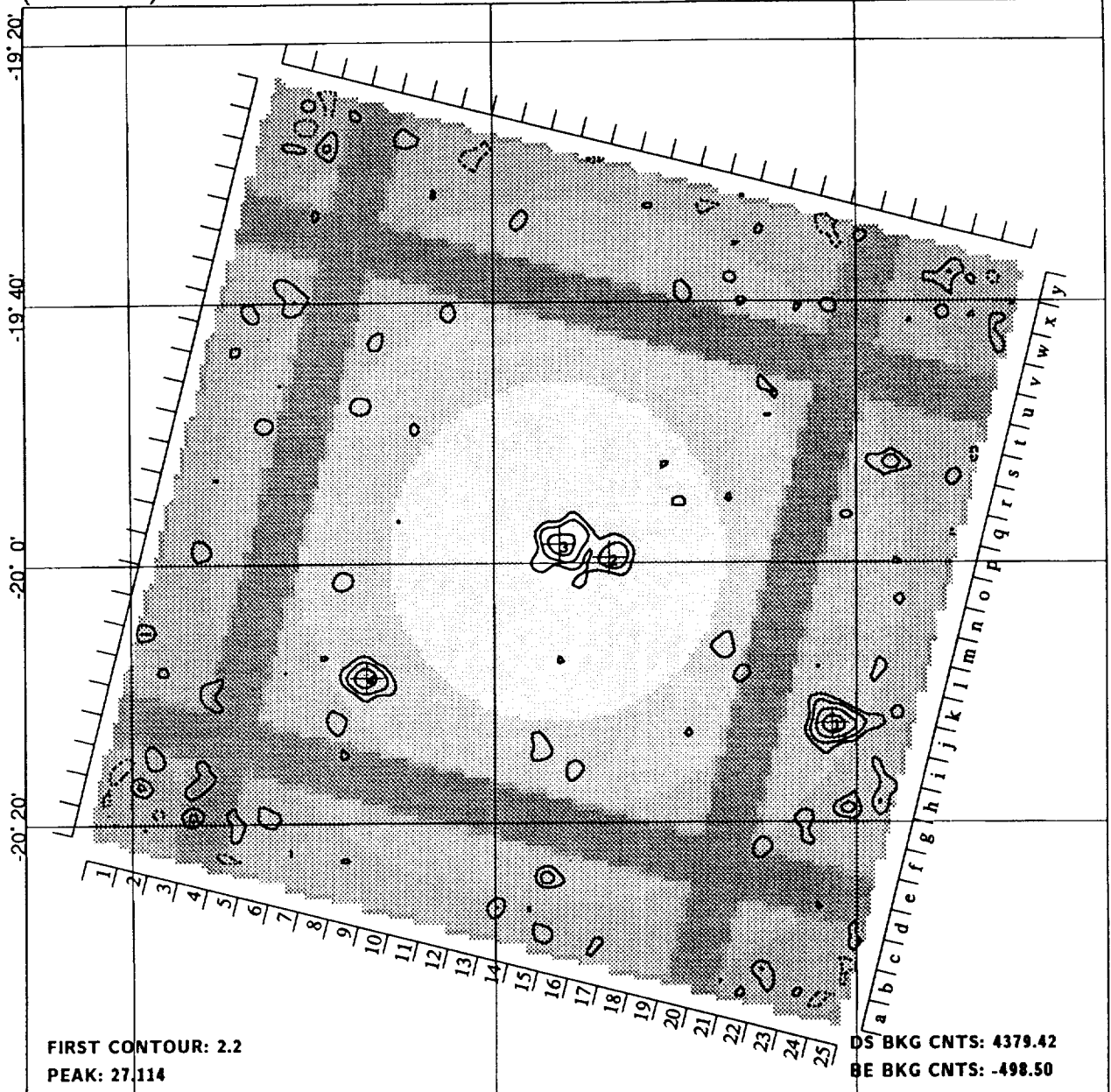
DATE: 1979/213 - 1979/213
 LIVETIME: 2445.4s
 ROLL ANGLE: -77.6°

NH: $2.2E+20$
 REF/ID: CLG
 FIELD FLAGS:

(3h 25m)

I 5453

(3h 25m)



FIRST CONTOUR: 2.2
 PEAK: 27,114

DS BKG CNTS: 4379.42
 BE BKG CNTS: -498.50

3h 28m

3h 26m

3h 24m

HD 021531

FIELD CENTER: $03^h 25^m 36.0^s$ $-19^\circ 58' 59''$ (B1950)
 $03^h 27^m 50.8^s$ $-19^\circ 48' 38''$ (J2000)
 $l: 209.91$ $b: -53.54$

DATE: 1980/224 - 1980/224
 LIVETIME: 3548.8s
 ROLL ANGLE: -75.9°

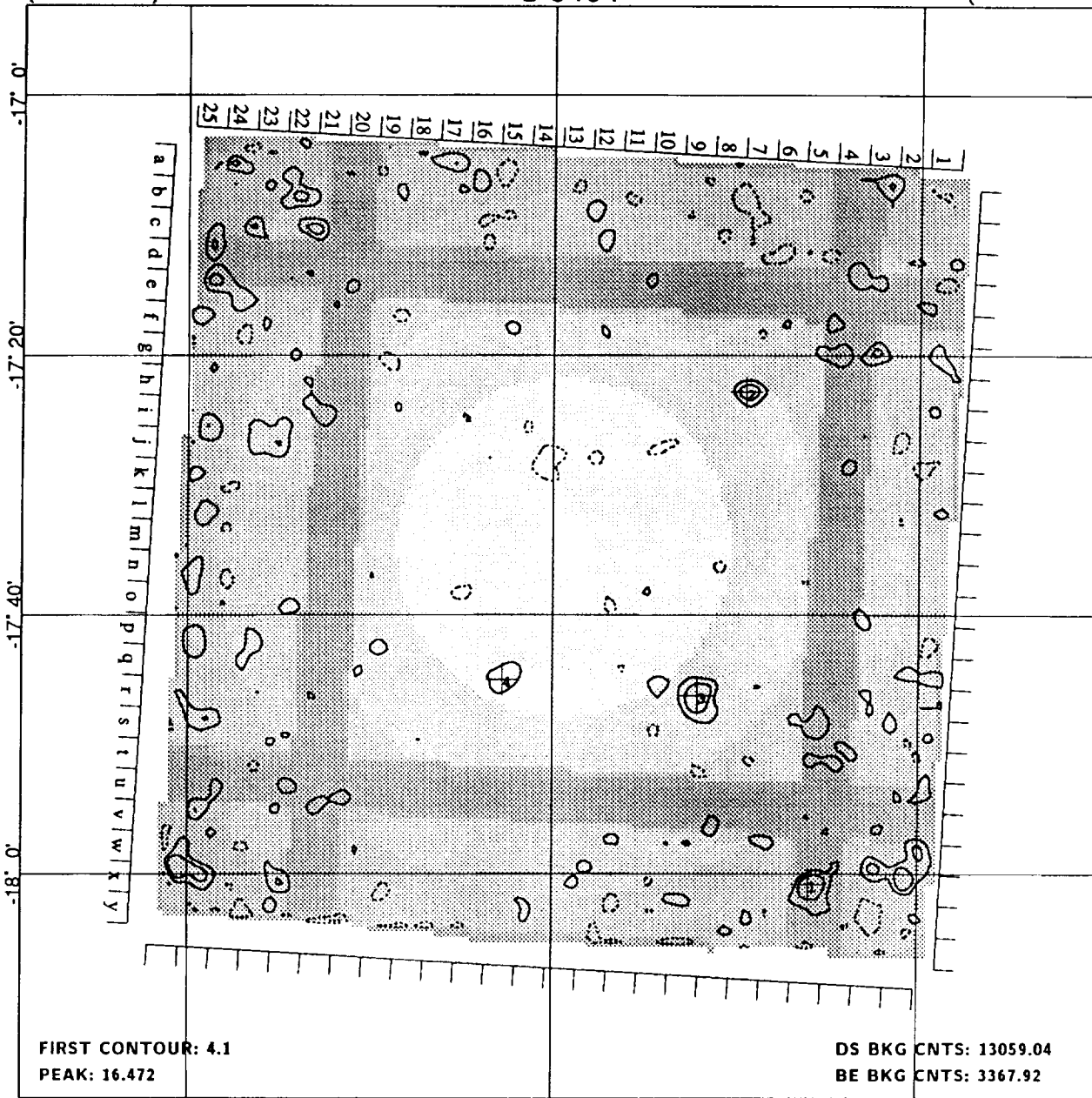
NH: $2.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
773	1	03 24 08.1	-20 12 26	50	0.0372	0.0052	56.6	6.4	7.1	1.2	0	24.3	H	
778	2	03 25 21.9	-19 59 34	36	0.0118	0.0024	30.3	8.7	4.8	3.4	0	3.9	H	
779	3	03 25 38.2	-19 58 34	35	0.0218	0.0031	57.5	8.5	7.1	2.0	0	1.1	H	
782	4	03 26 42.4	-20 08 47	50	0.0187	0.0034	36.5	7.5	5.5	1.0	0	18.0	H	S

(3h 25m)

I 8404

(3h 25m)



HARO 20, BLUE COMPACT DWARF GALAXIES

FIELD CENTER: 03^h25^m58.2^s -17°35'17" (B1950)
 03^h28^m15.4^s -17°24'57" (J2000)
 l : 206.24 b : -52.61

DATE: 1981/ 57 - 1981/ 57
 LIVETIME: 10582.1s
 ROLL ANGLE: 93.2°

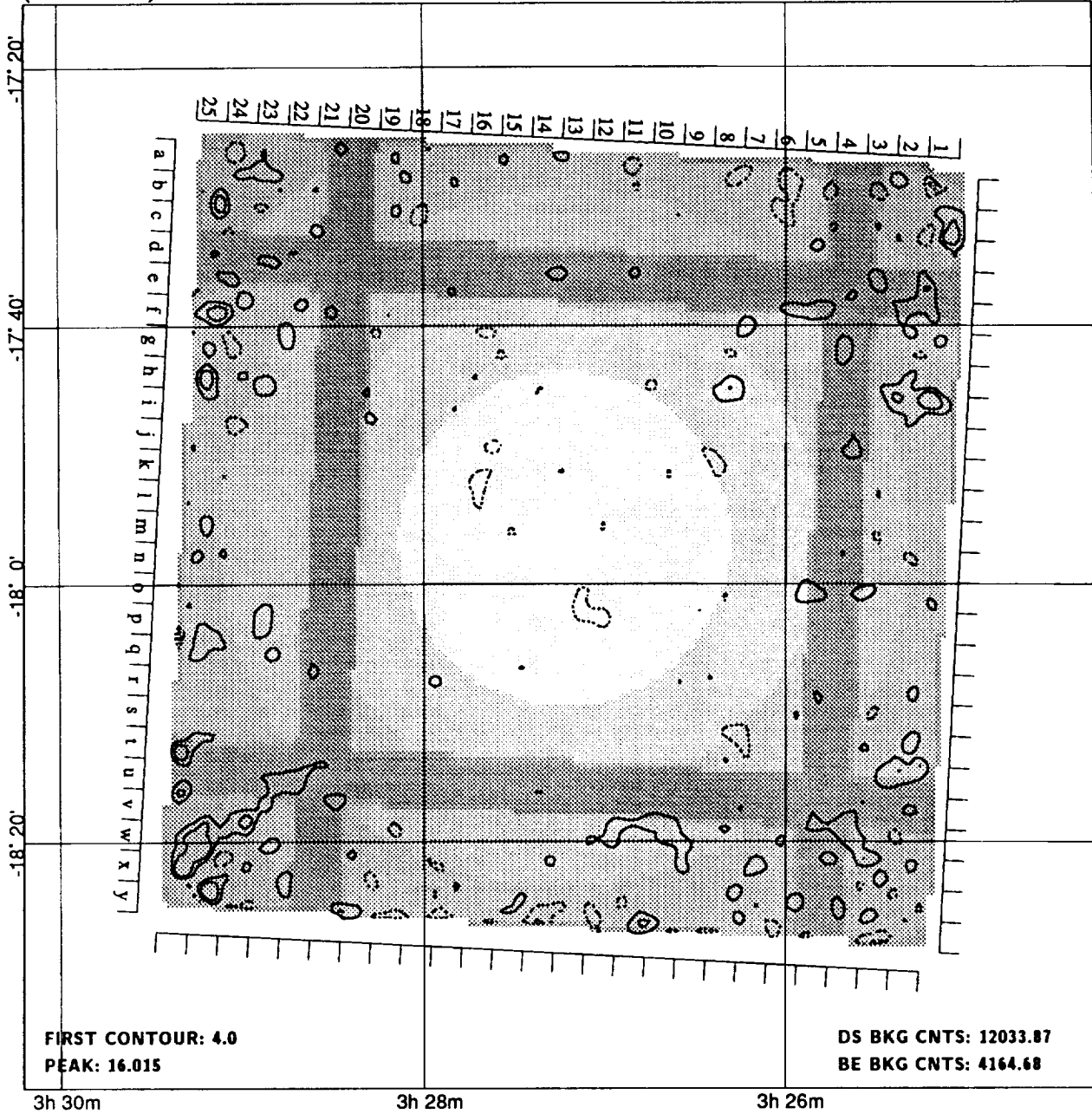
NH: 4.1E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
775	1	03 24 35.6	-18 00 47	61	*0.0072	0.0019	23.9	16.1	3.8	1.0	1109	32.1	
776	2	03 24 56.6	-17 22 49	53	0.0052	0.0014	29.6	30.4	3.8	0.6	0	19.1	
777	3	03 25 12.3	-17 46 11	51	0.0073	0.0014	44.9	30.1	5.2	1.0	0	15.3	H
781	4	03 26 16.5	-17 44 56	46	0.0049	0.0012	33.8	37.2	4.0	0.7	0	10.8	

(3h 27m)

I 8405

(3h 27m)



HARO 21, BLUE COMPACT DWARF GALAXIES

FIELD CENTER: $03^h 27^m 15.0^s -17^\circ 57' 05''$ (B1950)
 $03^h 29^m 31.7^s -17^\circ 46' 49''$ (J2000)
 $l: 206.98 \quad b: -52.46$

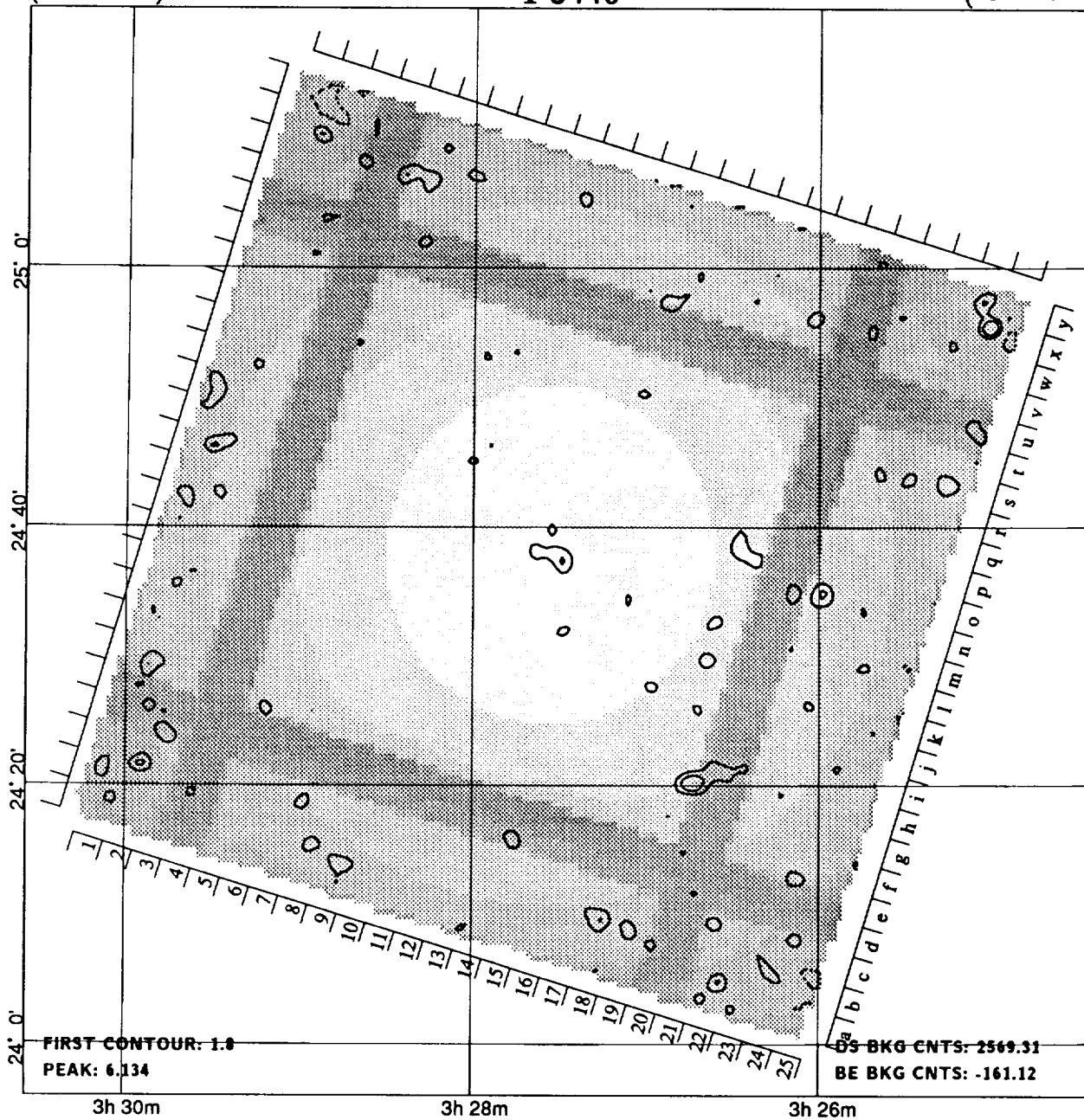
DATE: 1981/ 57 - 1981/ 57
 LIVETIME: 9751.4s
 ROLL ANGLE: 93.0°

NH: $3.9E+20$
 REF/ID:
 FIELD FLAGS: L

(3h 27m)

I 3440

(3h 27m)



A 439, MAGNETIC FIELDS IN CLUSTERS OF GALAXIES

FIELD CENTER: $03^h 27^m 30.0^s$ $24^\circ 37' 59''$ (B1950)
 $03^h 30^m 28.1^s$ $24^\circ 48' 13''$ (J2000)
 $l: 162.94$ $b: -25.45$

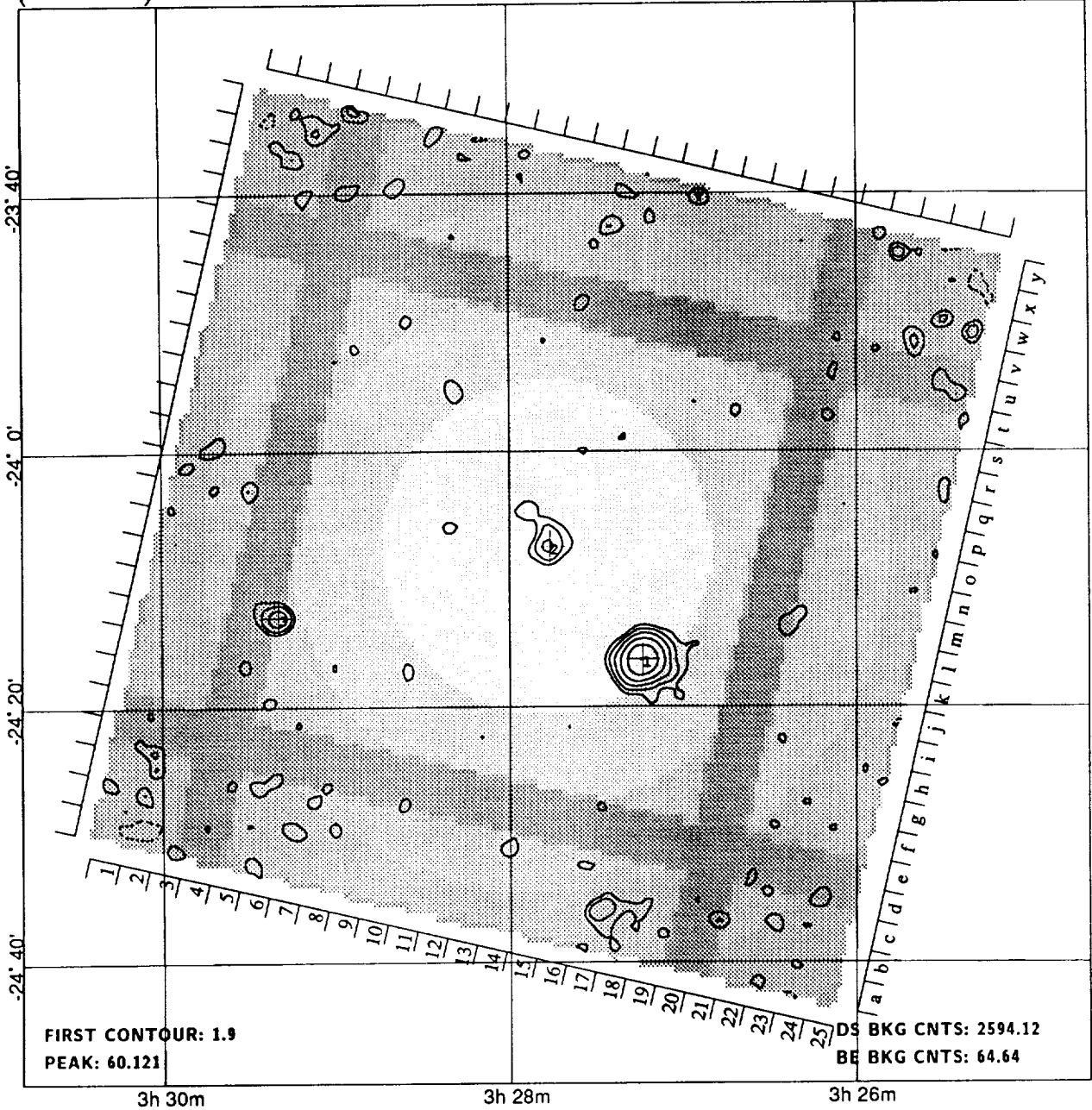
DATE: 1979/225 - 1979/225
 LIVETIME: 2082.0s
 ROLL ANGLE: -73.1°

NH: $9.8E+20$
 REF/ID:
 FIELD FLAGS:

(3h 27m)

I 6732

(3h 27m)



SEARCH FOR HIGH LX QSO'S: 7

FIELD CENTER: $03^h 27^m 43.7^s$ $-24^\circ 07' 16''$ (B1950)
 $03^h 29^m 53.9^s$ $-23^\circ 57' 02''$ (J2000)
 $l: 216.89$ $b: -54.26$

DATE: 1980/226 - 1980/226
 LIVETIME: 2102.1s
 ROLL ANGLE: -77.0°

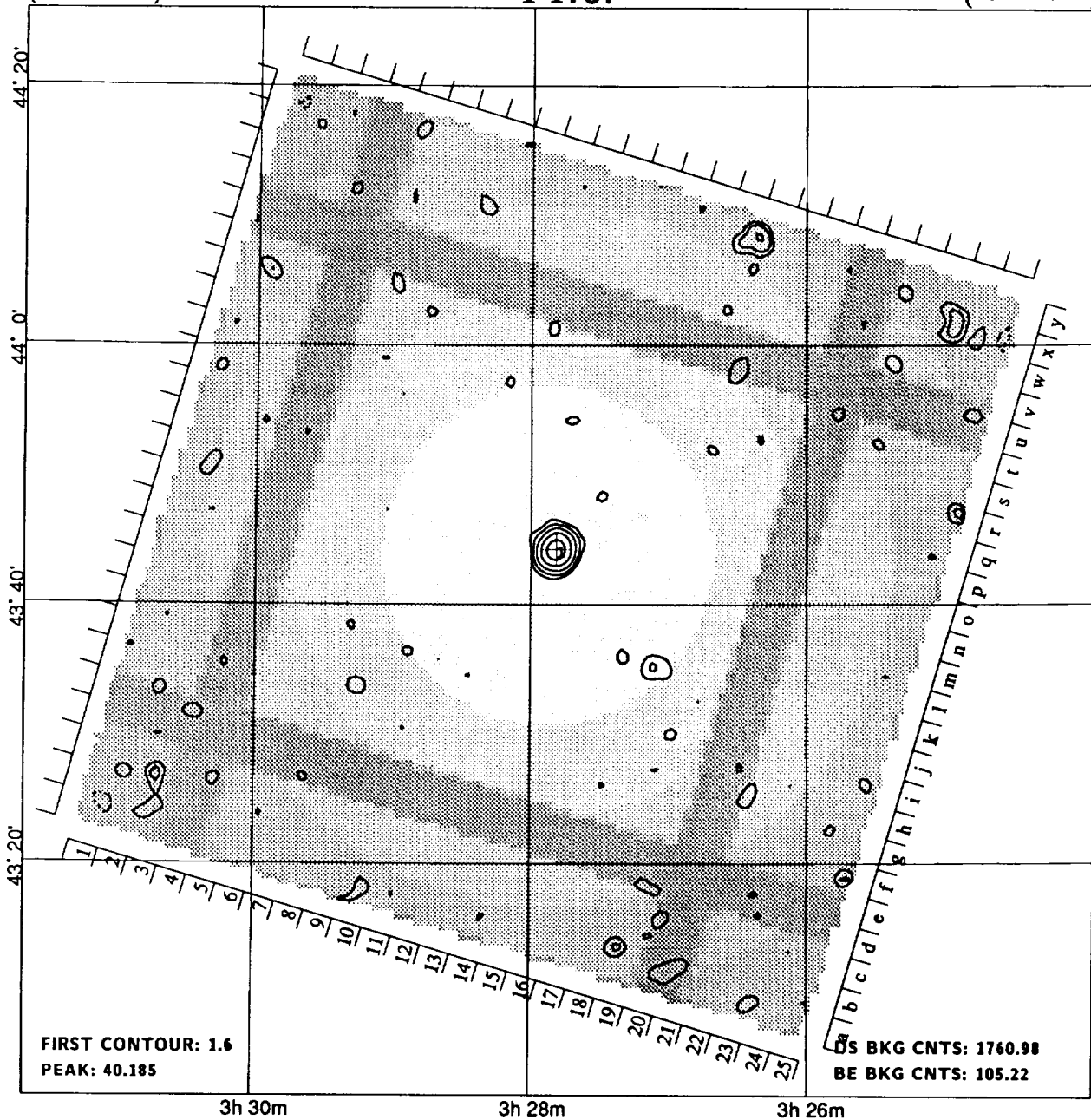
NH: $1.5E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
783	1	03 27 13.9	-24 16 19	38	0.170	0.011	232.1	5.9	15.0	1.3	0	11.1	H	
784	2	03 27 46.0	-24 07 28	35	0.0228	0.0041	35.7	6.3	5.5	1.1	0	0.7	H	
786	3	03 29 19.9	-24 12 57	51	*0.0244	0.0053	24.5	3.5	4.6	0.8	1006	23.0	H	

(3h 27m)

I 1757

(3h 27m)



GK PER,OPTICAL NOVA

FIELD CENTER: 03^h27^m48.0^s 43°43'58" (B1950)
 03^h31^m12.5^s 43°54'10" (J2000)
 l : 150.96 b : -10.10

DATE: 1979/238 - 1979/238
 LIVETIME: 1427.0s
 ROLL ANGLE: -73.5°

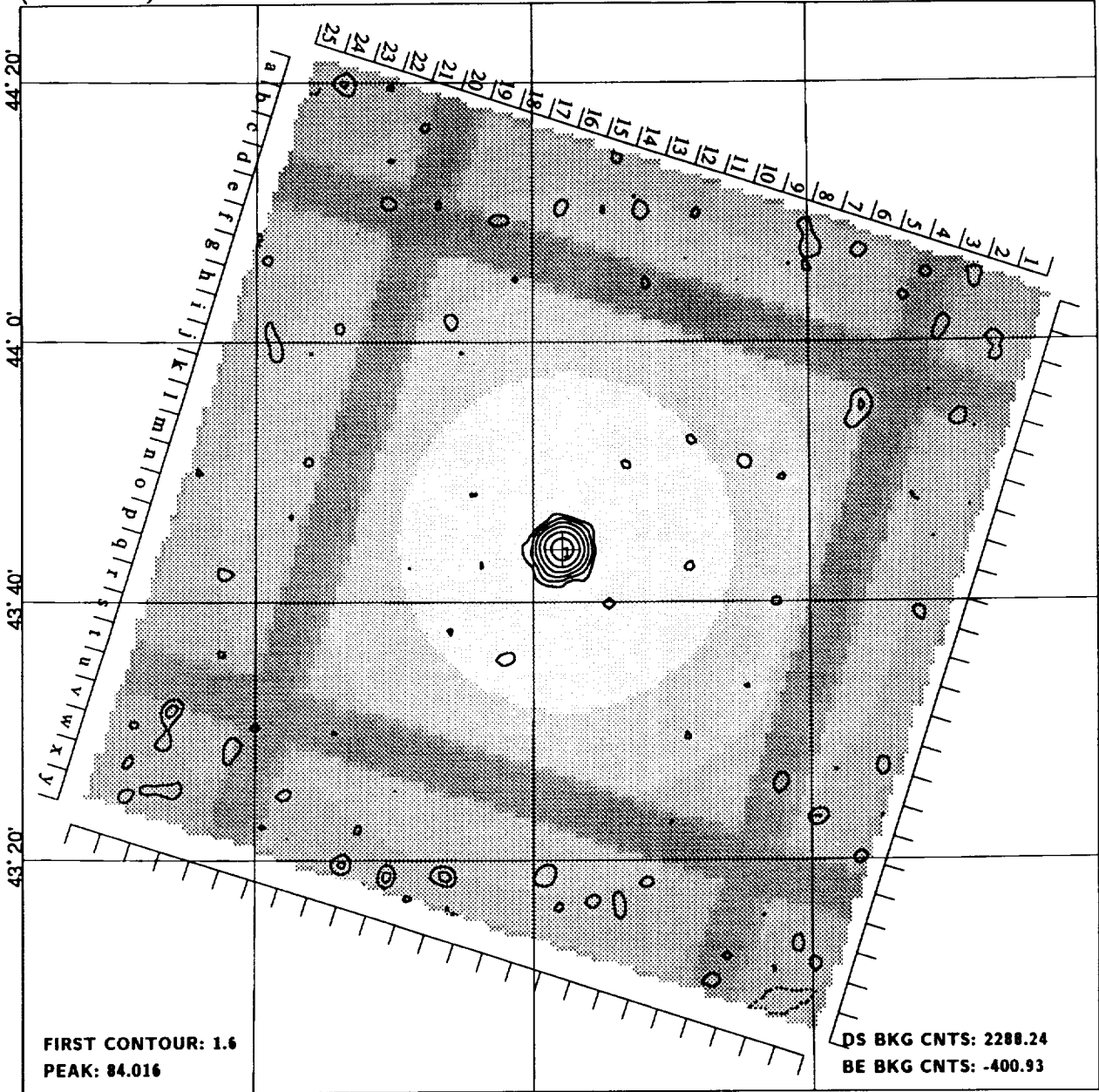
NH: 2.2E+21
 REF/ID: CV
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
785	1	03 27 48.8	43 44 16	31	0.140	0.012	148.4	4.6	12.0	1.0	0	0.4	AH	*

(3h 27m)

I 3188

(3h 27m)



NOVA OR NOVA-LIKE OBJ.: GK PER

FIELD CENTER: $03^h 27^m 48.0^s$ $43^\circ 44' 05''$ (B1950)
 $03^h 31^m 12.5^s$ $43^\circ 54' 17''$ (J2000)
 $l: 150.96$ $b: -10.10$

DATE: 1979/ 56 - 1979/ 56
 LIVETIME: 1854.2s
 ROLL ANGLE: 107.7°

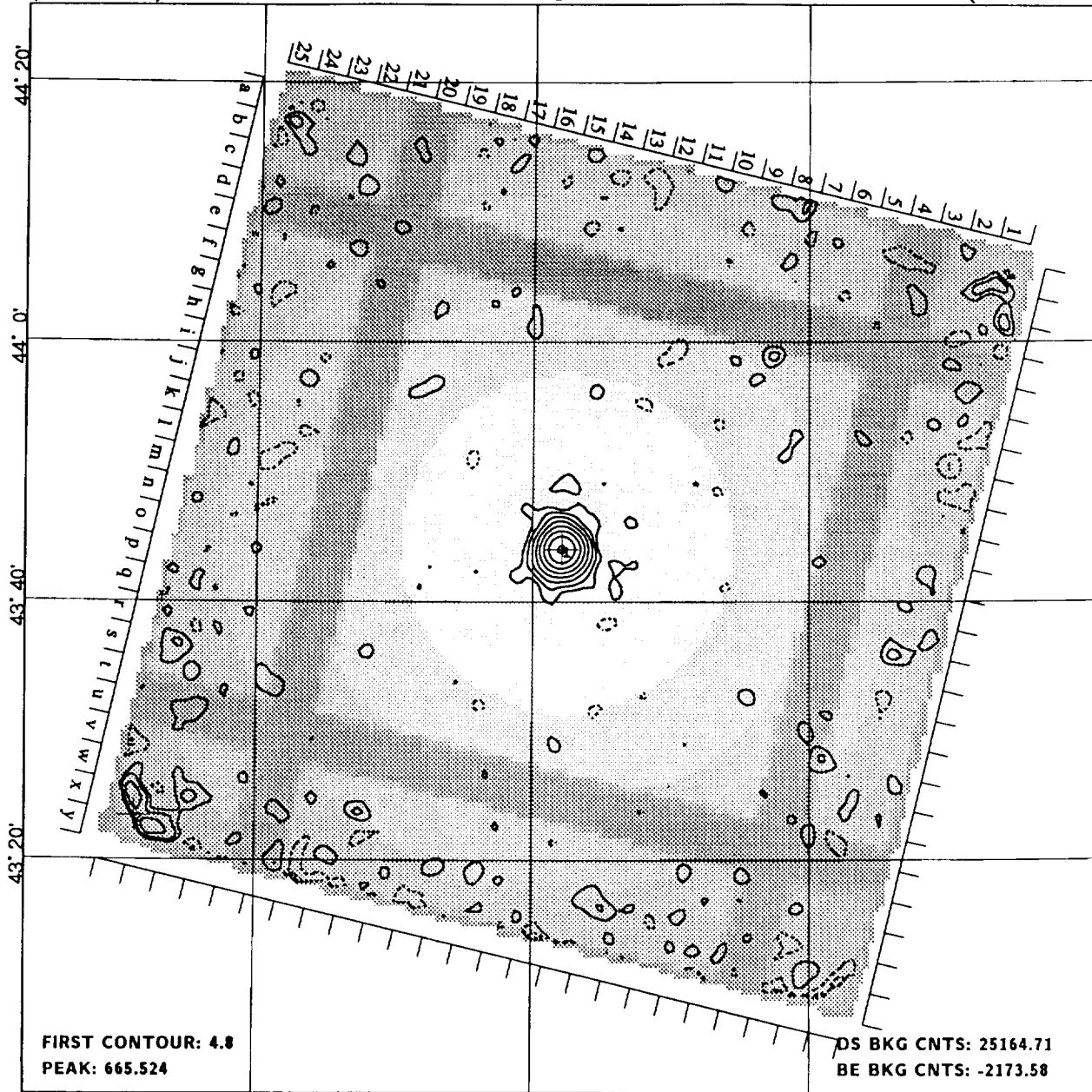
NH: $2.2E+21$
 REF/ID: CV
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
785	1	03 27 47.2	43 44 04	31	0.246	0.013	340.8	4.2	18.3	1.1	0	0.2	AH *

(3h 27m)

I 5174

(3h 27m)



FIRST CONTOUR: 4.8
 PEAK: 665.524

DS BKG CNTS: 25164.71
 BE BKG CNTS: -2173.58

3h 30m

3h 28m

3h 26m

GK PER

FIELD CENTER: 03^h27^m48.0^s 43°44'05" (B1950)
 03^h31^m12.5^s 43°54'17" (J2000)
 l : 150.96 b : -10.10

DATE: 1980/ 45 - 1980/ 47
 LIVETIME: 20391.6s
 ROLL ANGLE: 103.4°

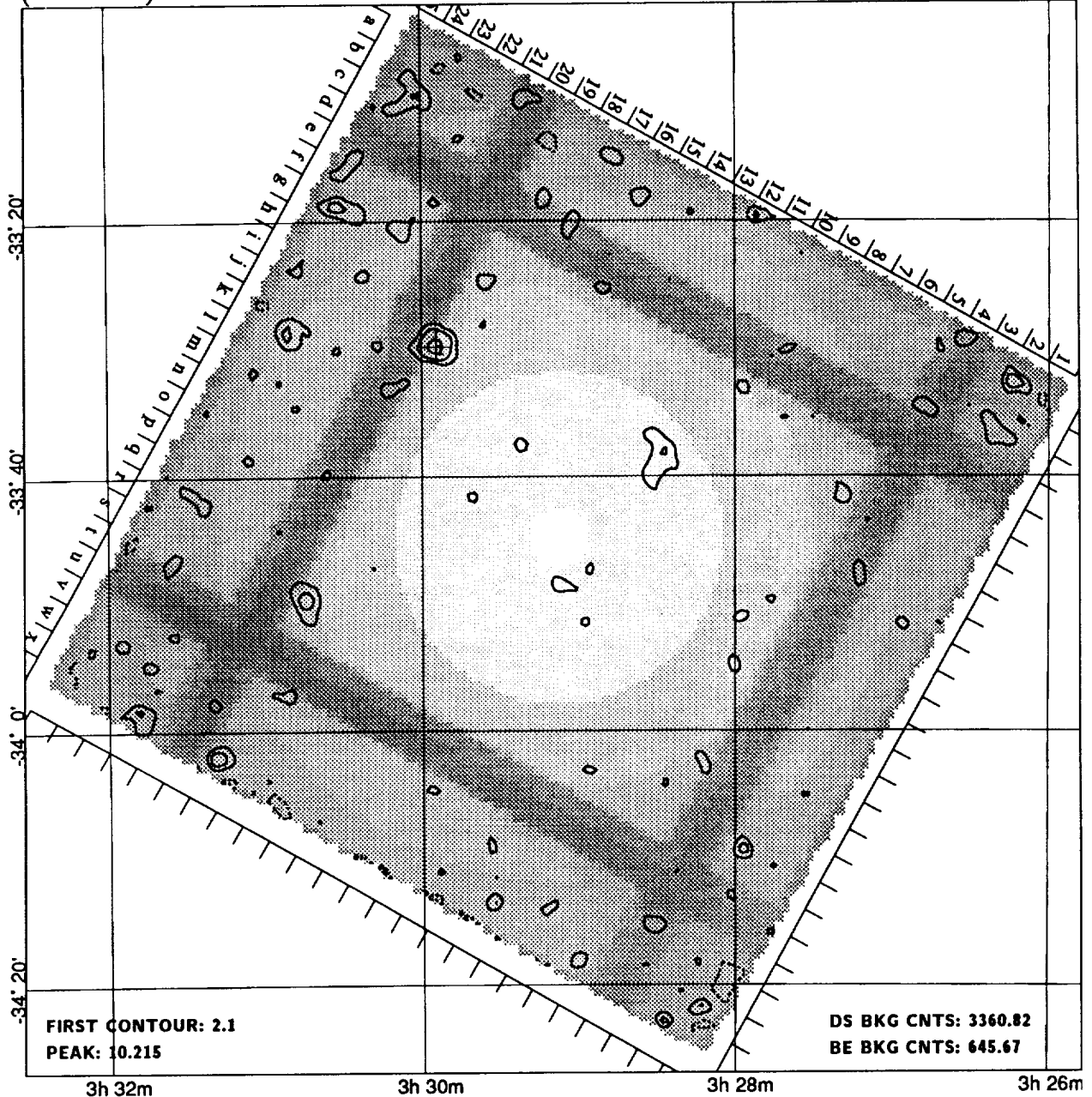
NH: 2.2E+21
 REF/ID: CV
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
785	1	03 27 47.2	43 44 03	31	0.1642 0.0033	2496.2	55.8	49.4	1.1	0	0.2	AH	*
790	2	03 30 51.7	43 23 25	55	0.0099 0.0022	38.5	32.5	4.6	3.0	400	39.1	EH	

(3h 29m)

I 5776

(3h 29m)



FIELD CENTER: 03^h29^m10.0^s -33°44'53" (B1950)
 03^h31^m08.4^s -33°34'43" (J2000)
l: 233.53 *b*: -55.17

DATE: 1980/ 18 - 1980/ 19
 LIVETIME: 2723.4s
 ROLL ANGLE: 119.3°

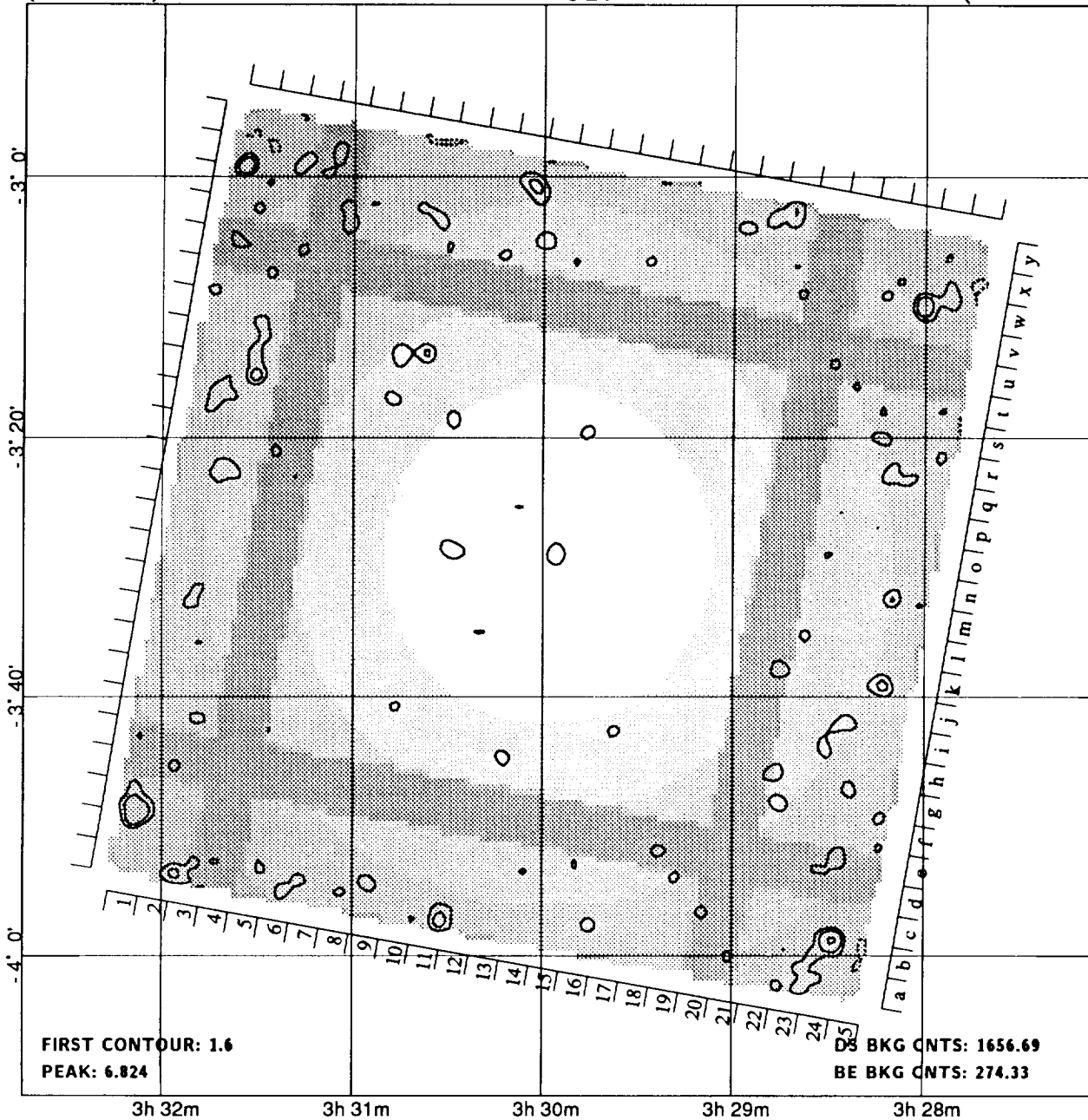
NH: 1.2E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
787	1	03 29 54.5	-33 29 48	51	*0.0247 0.0044	36.6	6.4	5.6	1.0	907	17.9	H

(3h 29m)

I 7327

(3h 29m)



AS ERI, ALGOL-LIKE SYSTEM

FIELD CENTER: $03^h 29^m 55.3^s -03^\circ 28' 46''$ (B1950)
 $03^h 32^m 25.9^s -03^\circ 18' 40''$ (J2000)
 $l: 188.28 \quad b: -44.79$

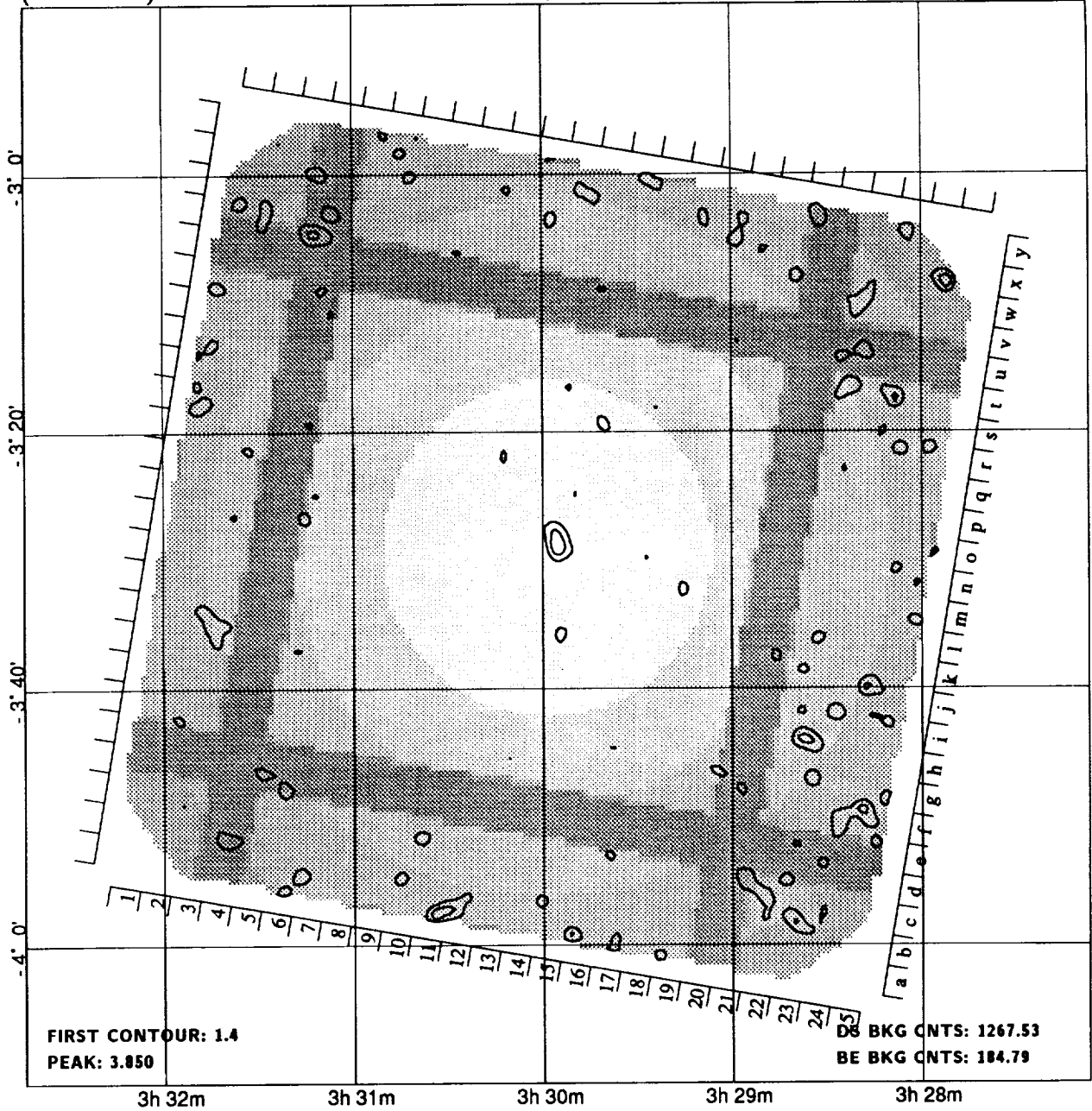
DATE: 1980/238 - 1980/238
 LIVETIME: 1342.5s
 ROLL ANGLE: -80.1°

NH: $4.7E+20$
 REF/ID: !
 FIELD FLAGS: C

(3h 29m)

I 9469

(3h 29m)



AS ERI, ALGOL-LIKE SYSTEM

FIELD CENTER: $03^{\text{h}}29^{\text{m}}55.3^{\text{s}}$ $-03^{\circ}28'46''$ (B1950)
 $03^{\text{h}}32^{\text{m}}25.9^{\text{s}}$ $-03^{\circ}18'40''$ (J2000)
 $l: 188.28$ $b: -44.79$

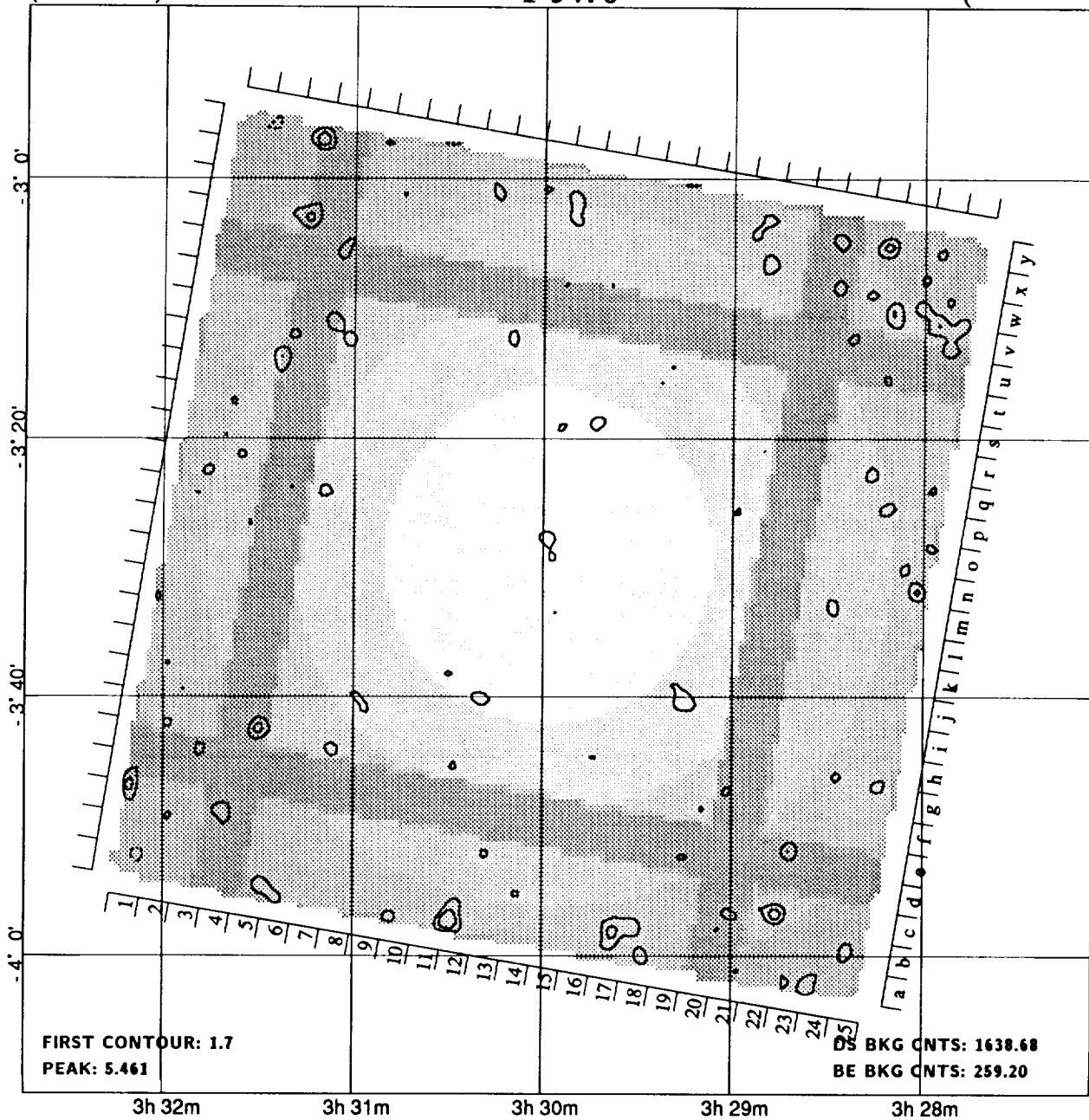
DATE: 1980/239 - 1980/239
 LIVETIME: 1027.1s
 ROLL ANGLE: -80.3°

NH: $4.7\text{E}+20$
 REF/ID:
 FIELD FLAGS: C

(3h 29m)

I 9470

(3h 29m)



AS ERI, ALGOL-LIKE SYSTEM

FIELD CENTER: $03^{\text{h}}29^{\text{m}}55.3^{\text{s}}$ $-03^{\circ}28'46''$ (B1950)
 $03^{\text{h}}32^{\text{m}}25.9^{\text{s}}$ $-03^{\circ}18'40''$ (J2000)
 $l: 188.28$ $b: -44.79$

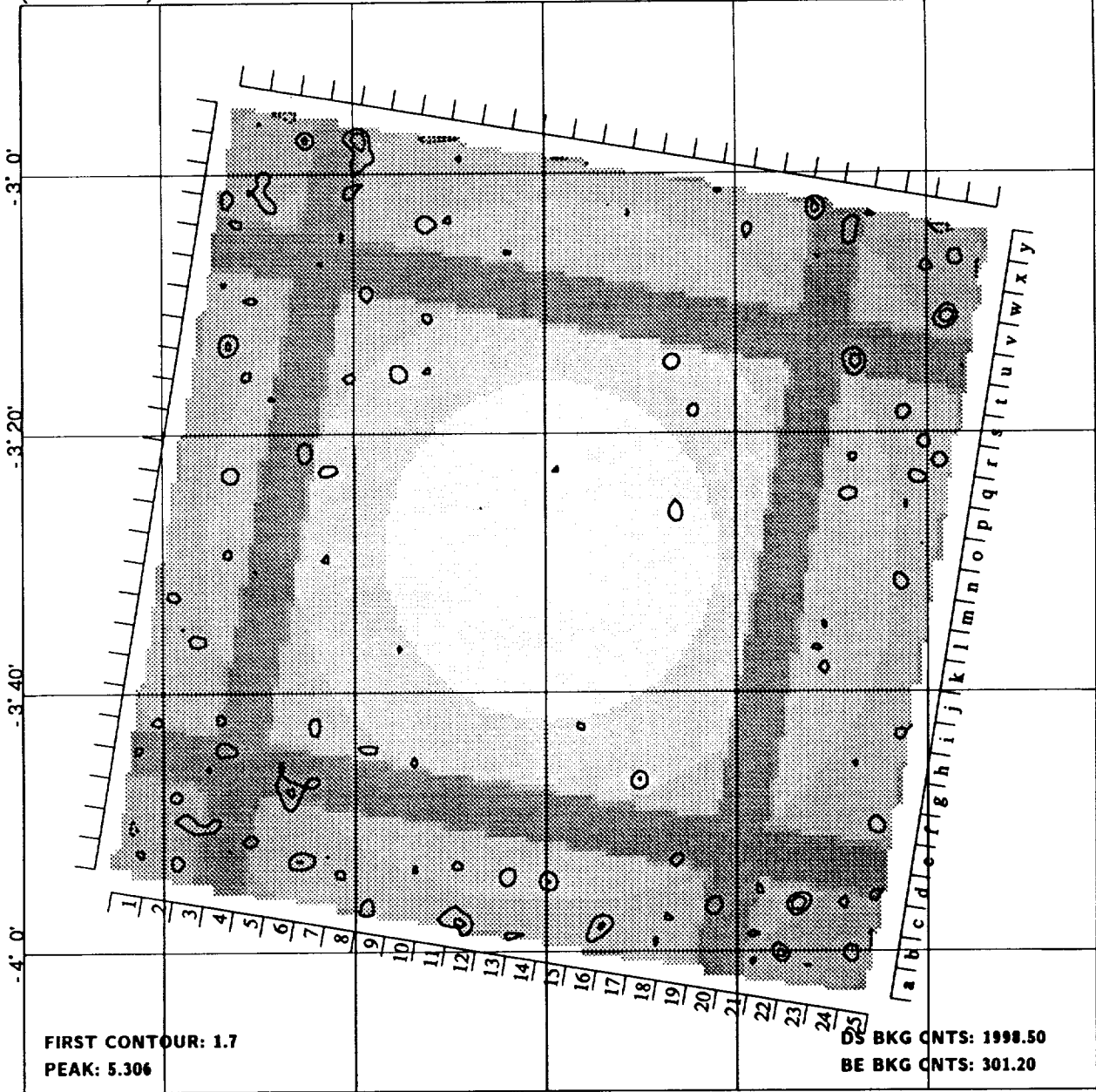
DATE: 1980/239 - 1980/239
 LIVETIME: 1327.9s
 ROLL ANGLE: -80.4°

NH: 4.7E+20
 REF/ID:
 FIELD FLAGS: C

(3h 29m)

I 9471

(3h 29m)



FIRST CONTOUR: 1.7
 PEAK: 5.306

DS BKG CNTS: 1998.50
 BE BKG CNTS: 301.20

AS ERI, ALGOL-LIKE SYSTEM

FIELD CENTER: $03^{\text{h}}29^{\text{m}}55.3^{\text{s}}$ $-03^{\circ}28'46''$ (B1950)
 $03^{\text{h}}32^{\text{m}}25.9^{\text{s}}$ $-03^{\circ}18'40''$ (J2000)
 $l: 188.28$ $b: -44.79$

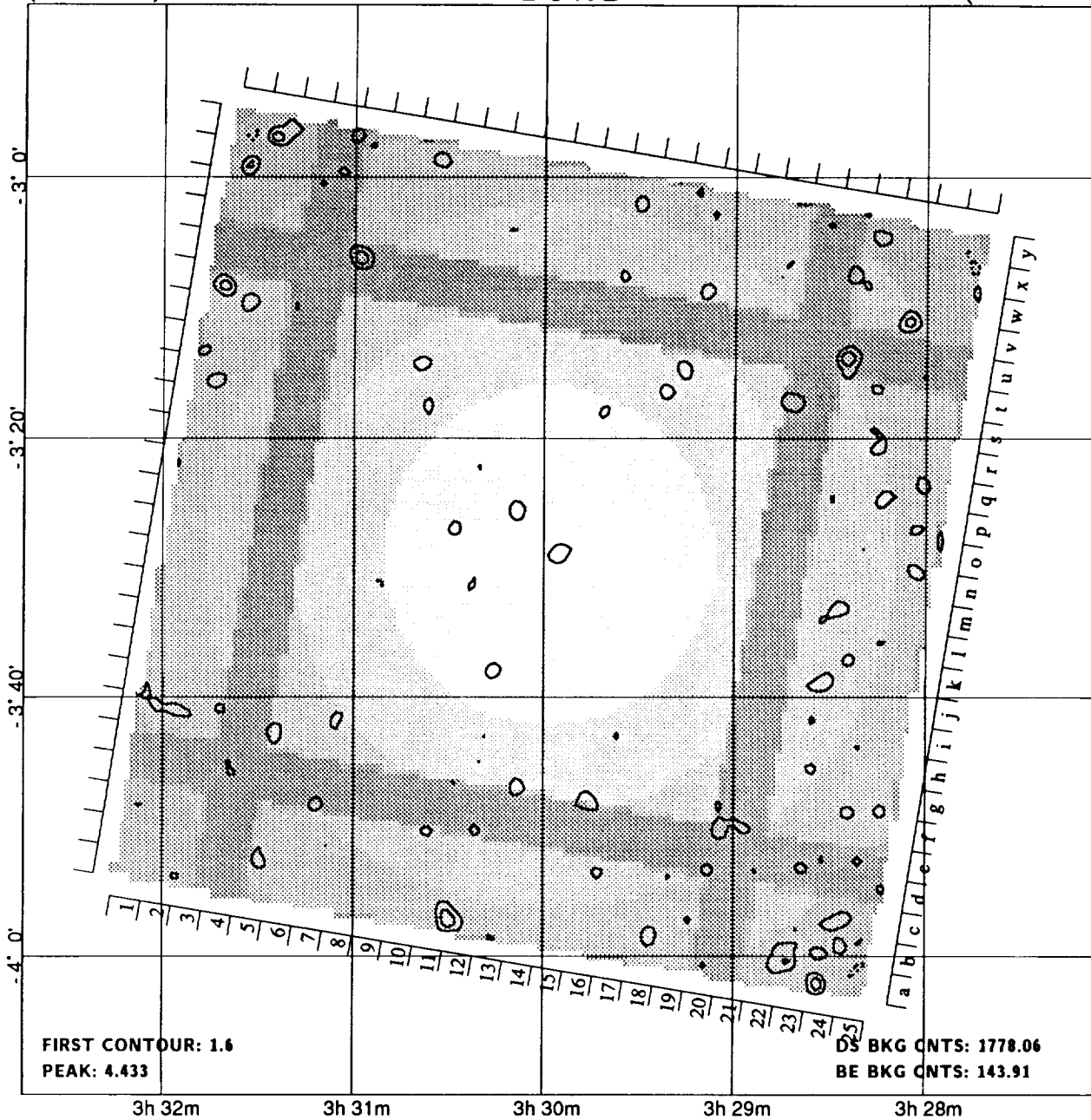
DATE: 1980/240 - 1980/240
 LIVETIME: 1619.4s
 ROLL ANGLE: -80.6°

NH: $4.7\text{E}+20$
 REF/ID:
 FIELD FLAGS: C

(3h 29m)

I 9472

(3h 29m)



FIELD CENTER: $03^h 29^m 55.3^s$ $-03^\circ 28' 46''$ (B1950)
 $03^h 32^m 25.9^s$ $-03^\circ 18' 40''$ (J2000)
 $l: 188.28$ $b: -44.79$

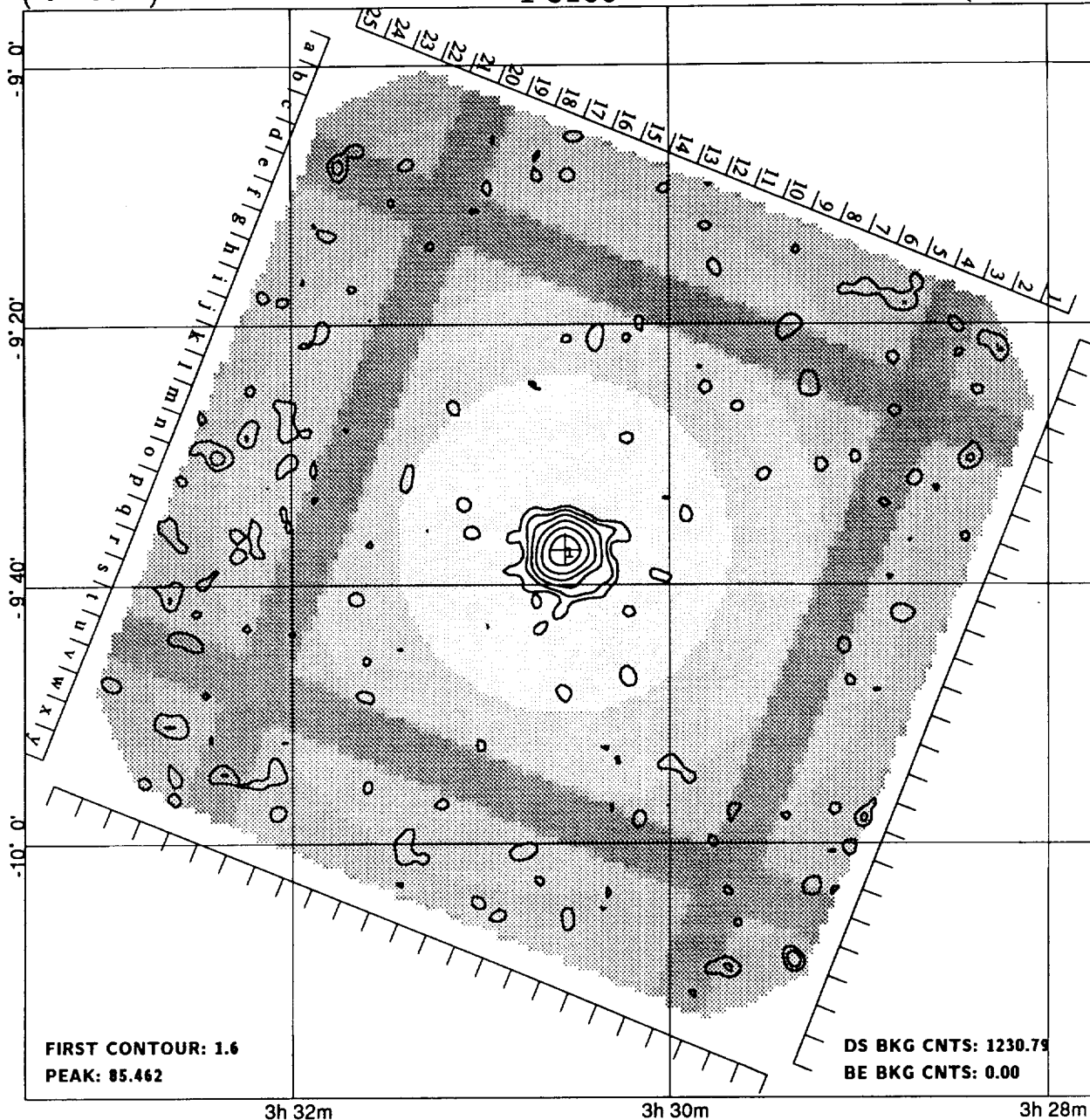
DATE: 1980/240 - 1980/240
 LIVETIME: 1440.8s
 ROLL ANGLE: -80.7°

NH: $4.7E+20$
 REF/ID:
 FIELD FLAGS: C

(3h 30m)

I 3106

(3h 30m)



FIRST CONTOUR: 1.6
PEAK: 85.462

DS BKG CNTS: 1230.79
BE BKG CNTS: 0.00

COHERENT SAMPLING OF NEARBY STARS: EPSILON ERI

FIELD CENTER: $03^h 30^m 33.8^s$ $-09^\circ 37' 33''$ (B1950)
 $03^h 32^m 58.6^s$ $-09^\circ 27' 29''$ (J2000)
 $l: 195.85$ $b: -48.04$

DATE: 1979/ 24 - 1979/ 24
 LIVETIME: 997.3s
 ROLL ANGLE: 112.0°

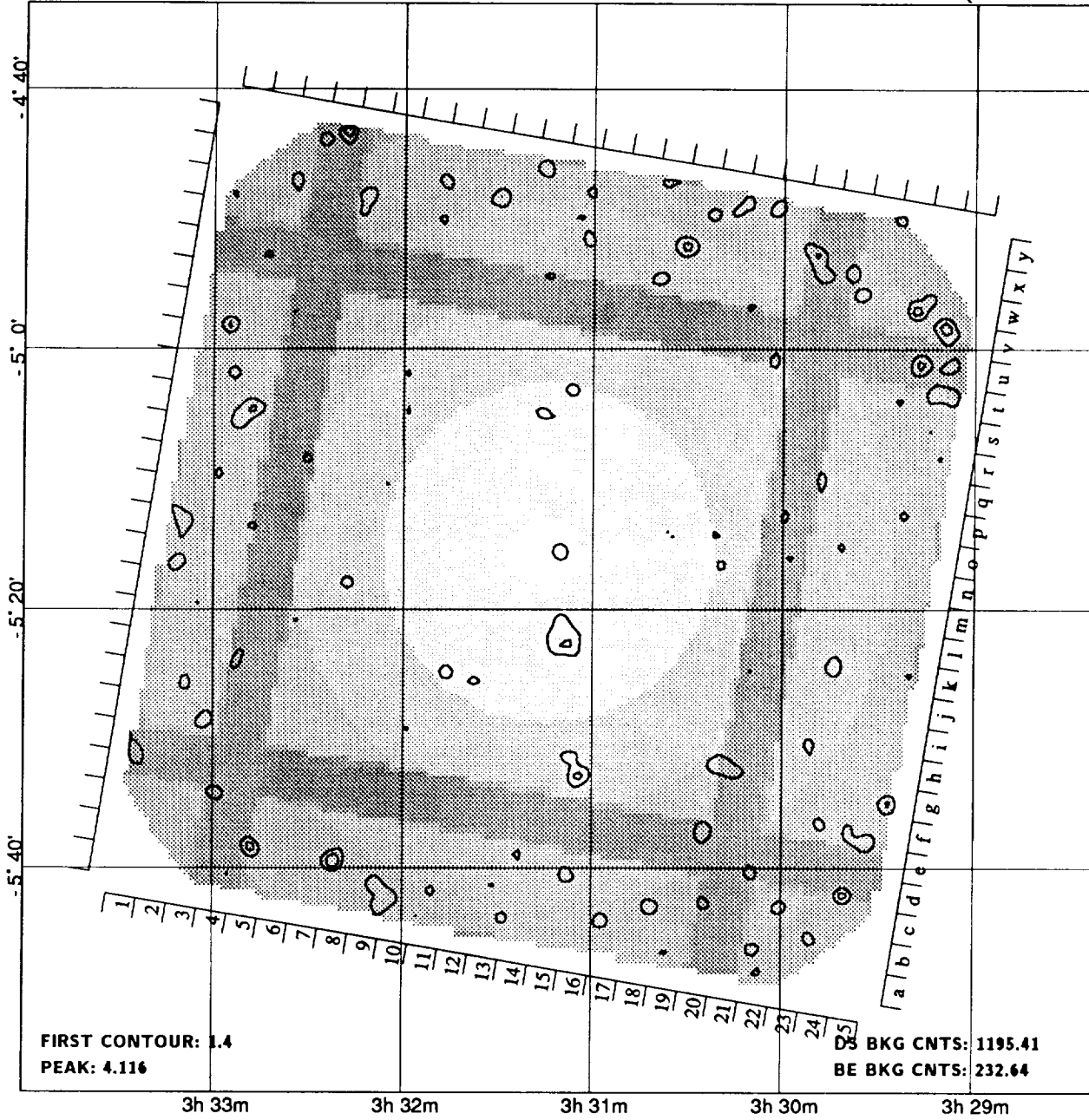
NH: $4.0E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE \pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
788	1L	03 30 33.2	-09 37 17	31	0.434 0.032	323.0	98.0	13.4	1.6	0	0.1	S

(3h 31m)

I 5250

(3h 31m)



NGC 1358: NEARBY SEYFERT 2 GALAXIESE

FIELD CENTER: $03^h 31^m 11.0^s$ $-05^\circ 15' 23''$ (B1950)
 $03^h 33^m 39.9^s$ $-05^\circ 05' 22''$ (J2000)
 $l: 190.59$ $b: -45.56$

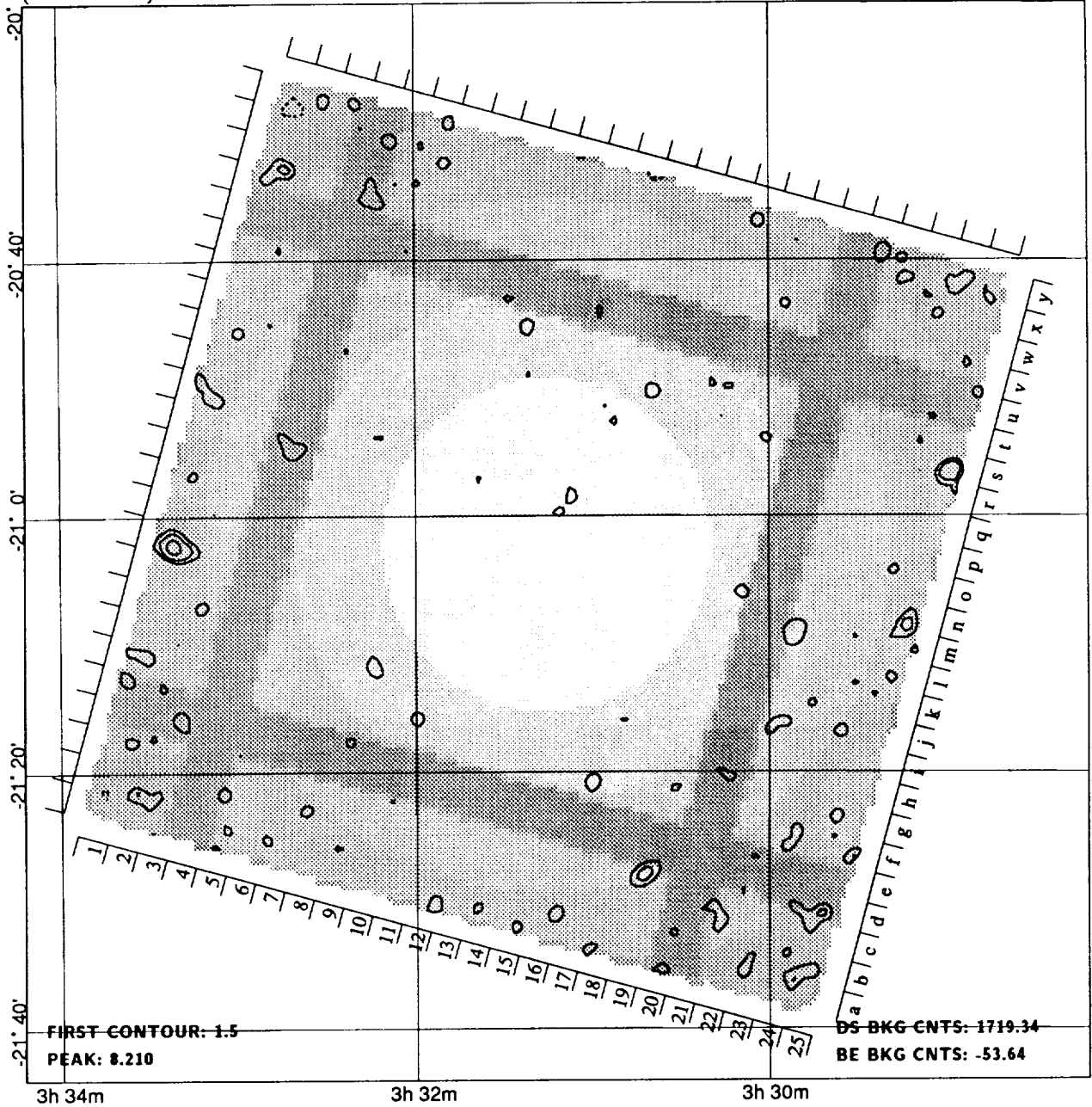
DATE: 1980/239 - 1980/239
 LIVETIME: 968.7s
 ROLL ANGLE: -80.6°

NH: $4.3E+20$
 REF/ID:
 FIELD FLAGS:

(3h 31m)

I 7424

(3h 31m)



NGC 1360, HOT PLANETARY NEBULA NUCLEUS

FIELD CENTER: 03^h 31^m 12.0^s -21° 01' 59" (B1950)
 03^h 33^m 25.3^s -20° 51' 57" (J2000)
l: 212.27 *b*: -52.64

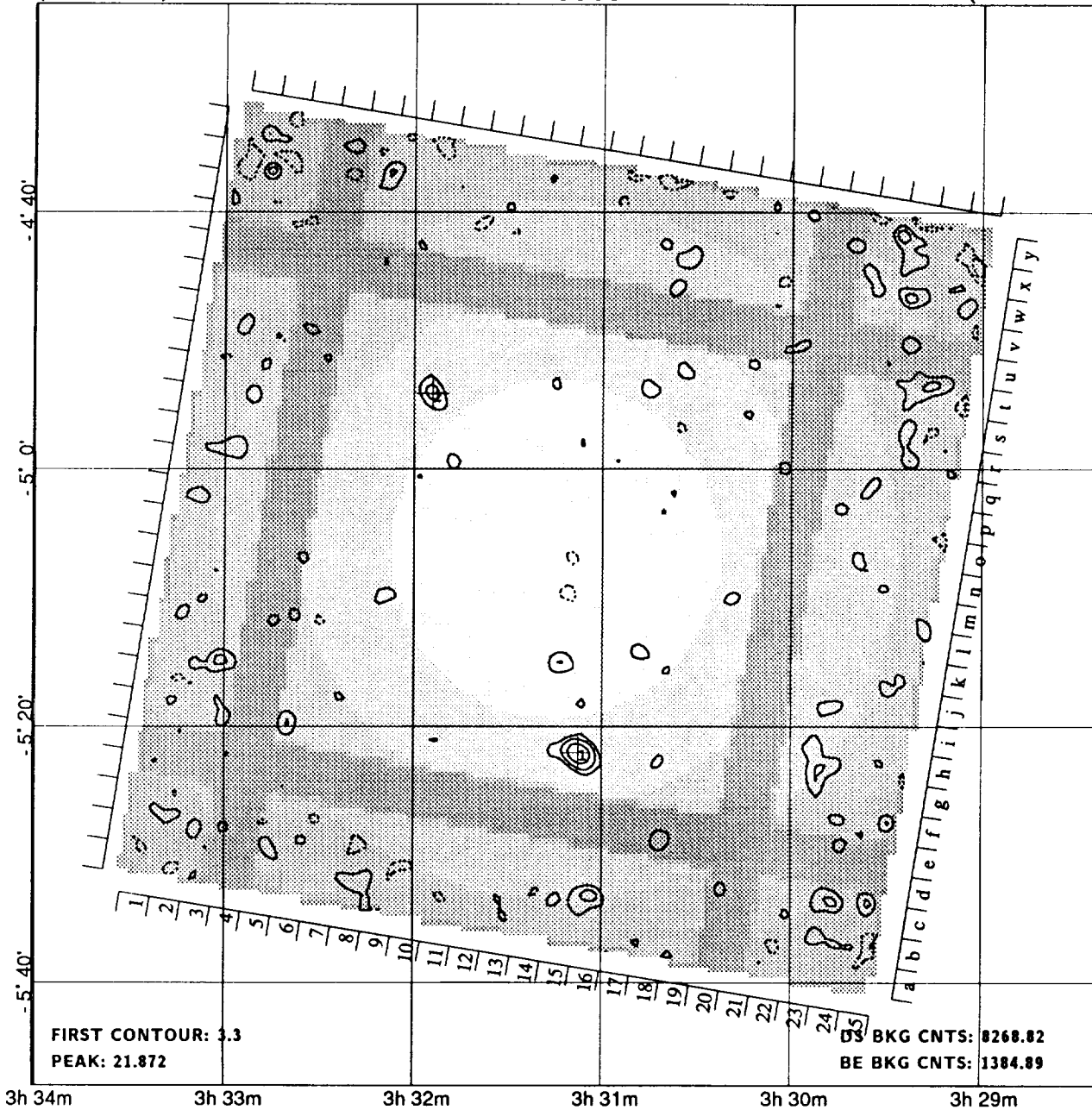
DATE: 1980/223 - 1980/223
 LIVETIME: 1393.2s
 ROLL ANGLE: -74.7°

NH: 2.5E+20
 REF/ID:
 FIELD FLAGS:

(3h 31m)

I 6369

(3h 31m)



N 1358, EMISSION LINE GALAXY SURVEY

FIELD CENTER: $03^{\text{h}}31^{\text{m}}12.0^{\text{s}}$ $-05^{\circ}05'59''$ (B1950)
 $03^{\text{h}}33^{\text{m}}41.0^{\text{s}}$ $-04^{\circ}55'58''$ (J2000)
 $l: 190.41$ $b: -45.47$

DATE: 1980/239 - 1980/239
 LIVETIME: 6700.4s
 ROLL ANGLE: -80.8°

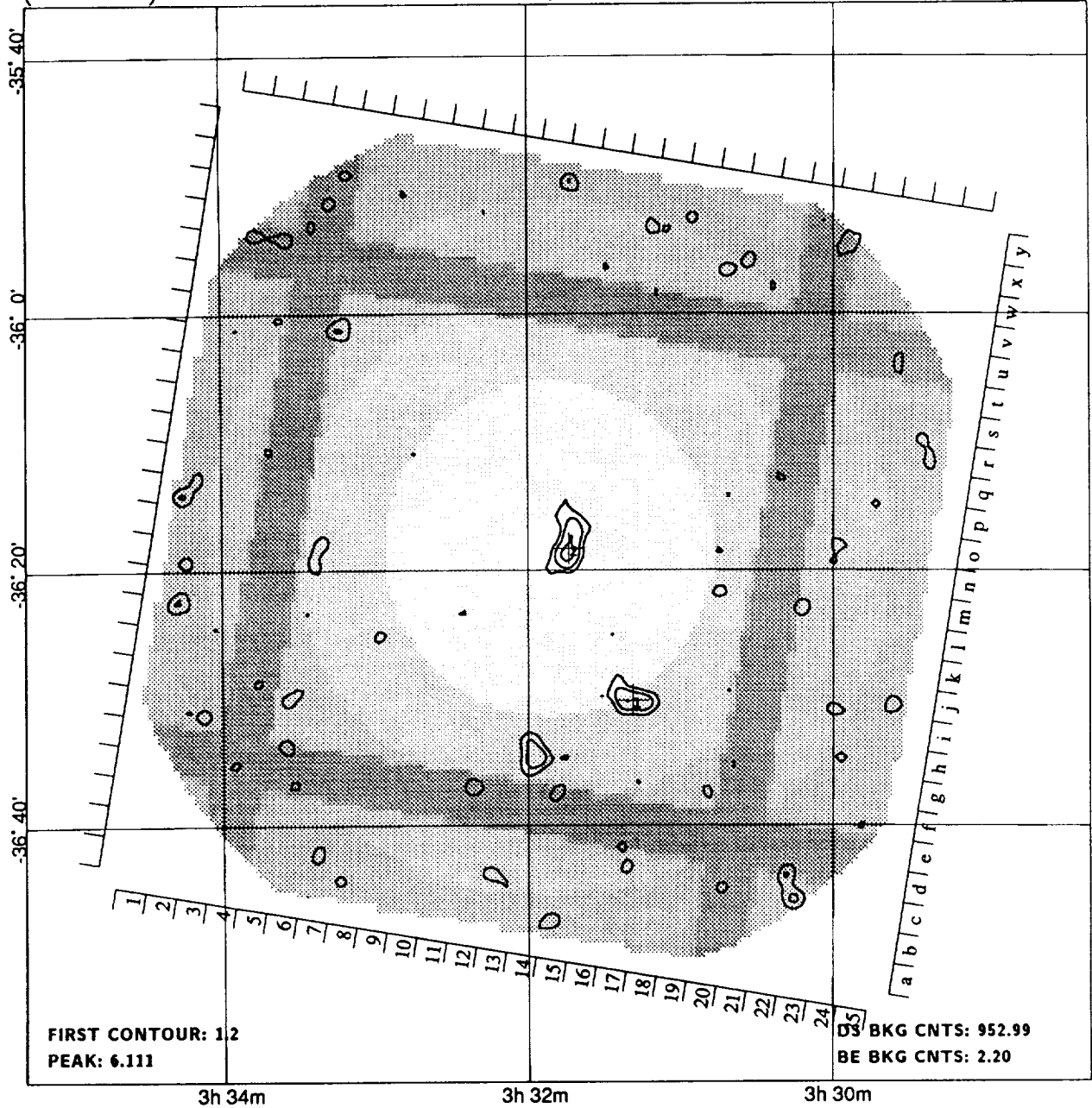
NH: $4.3\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
792	1	03 31 07.4	-05 22 03	50	0.0149	0.0022	57.6	18.4	6.6	0.9	0	16.2	H	AGN
795	2	03 31 54.2	-04 54 12	54	0.0059	0.0016	22.8	18.2	3.6	0.7	0	16.2		

(3h 31m)

I 3058

(3h 31m)



NGC 1365: NARROW EMISSION LINE GALAXIESB

FIELD CENTER: 03^h31^m48.0^s -36°17'59" (B1950)
 03^h33^m42.6^s -36°07'59" (J2000)
 l : 237.94 b : -54.58

DATE: 1979/229 - 1979/229
 LIVETIME: 772.2s
 ROLL ANGLE: -80.7°

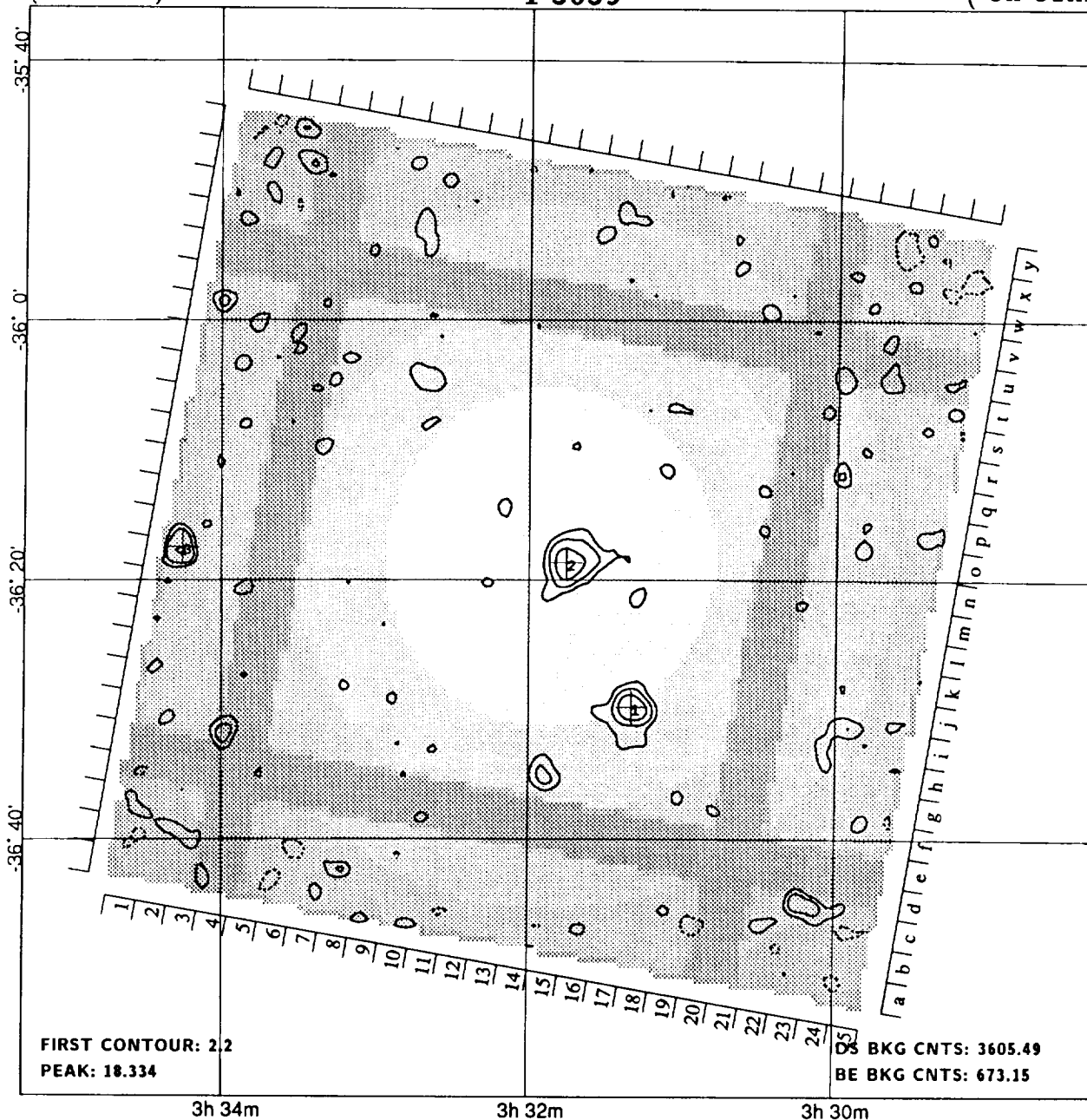
NH: 1.4E+20
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
793	1	03 31 18.8	-36 30 09	46	0.0334	0.0089	15.9	2.1	3.8	1.0	0	13.4	AH	
794	2	03 31 43.9	-36 18 18	36	0.0412	0.0089	23.6	2.4	4.6	1.2	0	0.9	AH	SY

(3h 31m)

I 3059

(3h 31m)



NGC 1365: NARROW EMISSION LINE GALAXIESB

FIELD CENTER: $03^h 31^m 48.0^s$ $-36^\circ 17' 59''$ (B1950)
 $03^h 33^m 42.6^s$ $-36^\circ 07' 59''$ (J2000)
 $l: 237.94$ $b: -54.58$

DATE: 1980/228 - 1980/228
 LIVETIME: 2921.6s
 ROLL ANGLE: -80.3°

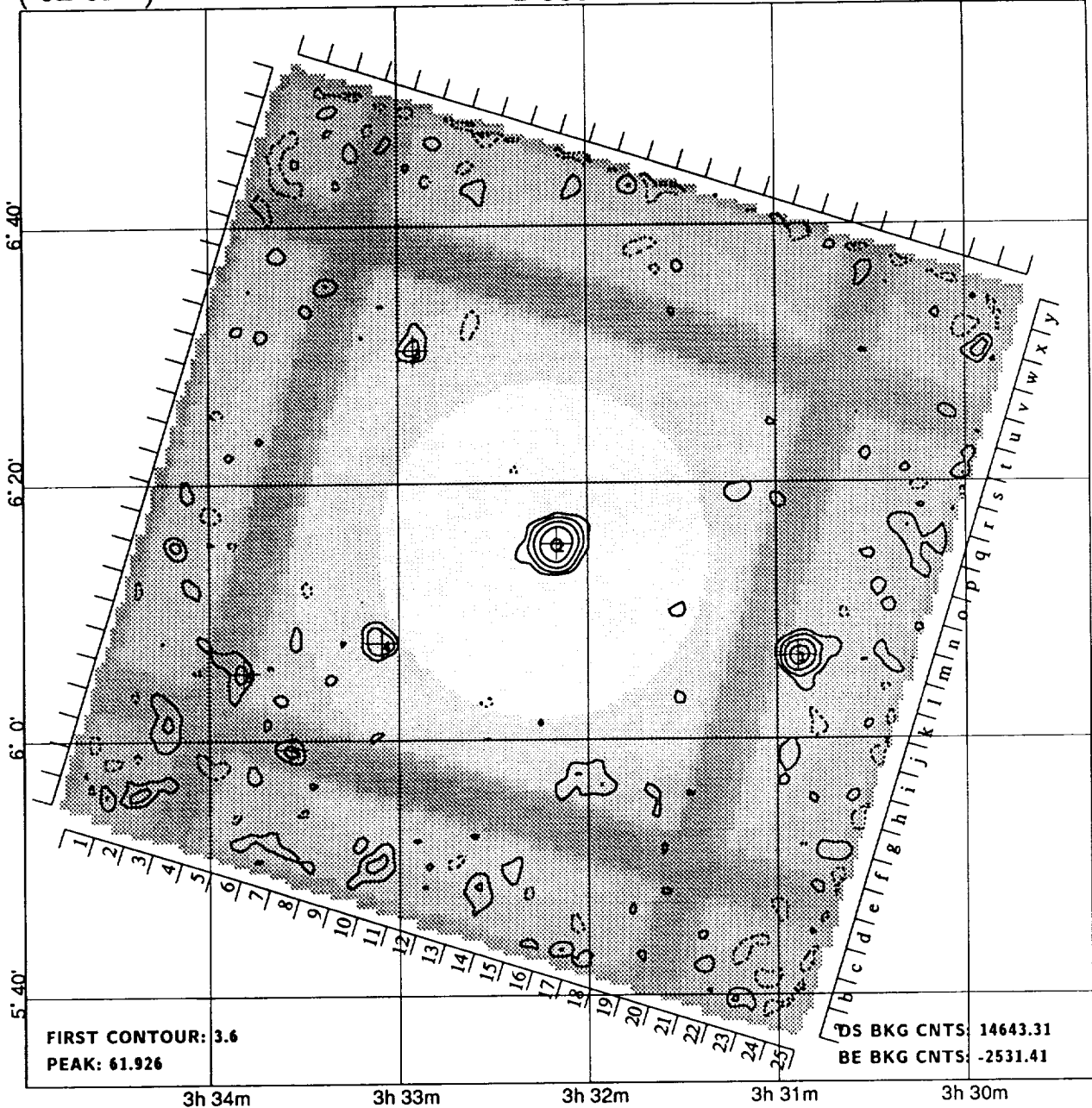
NH: $1.4E+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
793	1	03 31 19.6	-36 29 49	41	0.0312	0.0045	56.7	9.3	7.0	1.2	0	13.1	AH	
794	2	03 31 45.3	-36 18 40	32	0.0319	0.0042	69.2	11.8	7.7	1.5	0	0.8	AH	SY
805	3	03 34 15.0	-36 17 24	55	0.0198	0.0049	21.1	5.9	4.1	0.8	500	29.7	H	

(3h 32m)

I 8397

(3h 32m)



HR 1089,SELECTED HERTZSPRUNG GAP STARS

FIELD CENTER: $03^h 32^m 09.5^s$ $06^\circ 15' 06''$ (B1950)
 $03^h 34^m 49.2^s$ $06^\circ 25' 04''$ (J2000)
 $l: 178.70$ $b: -38.17$

DATE: 1980/213 - 1980/213
 LIVETIME: 11865.9s
 ROLL ANGLE: -72.9°

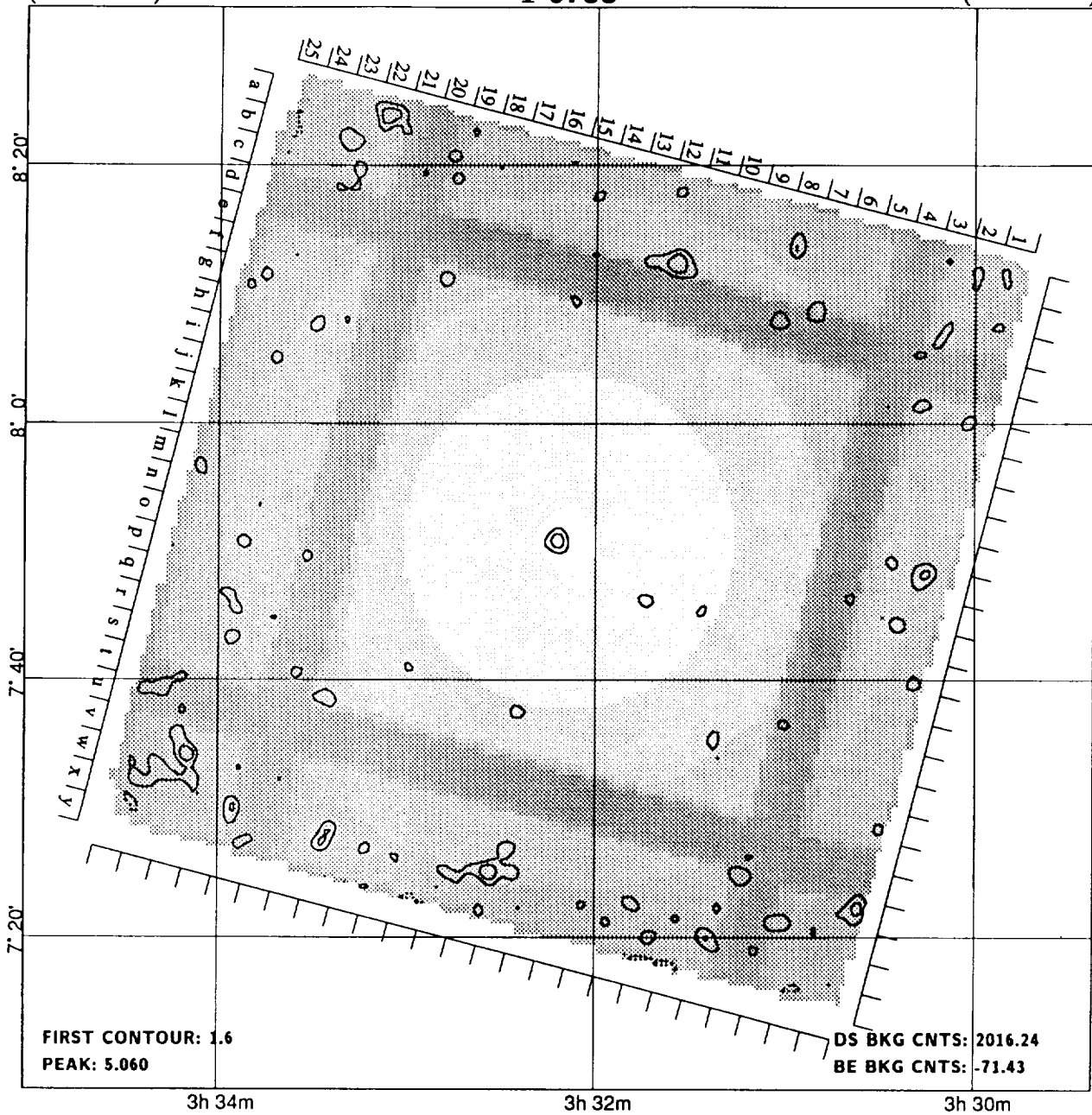
NH: $1.4E+21$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
791	1	03 30 53.3	06 06 28	48	*0.0181	0.0019	104.1	20.9	9.3	1.1	602	20.6	H
797	2	03 32 09.9	06 15 15	31	0.0339	0.0021	299.6	28.4	16.5	1.3	0	0.2	H
798	3	03 32 55.2	06 30 22	55	0.0047	0.0011	29.7	21.3	4.2	0.7	0	19.1	H
799	4	03 33 05.4	06 07 37	51	0.0069	0.0012	48.7	20.3	5.9	0.8	0	15.8	H
802	5	03 33 34.0	05 59 18	65	*0.0040	0.0011	20.5	13.5	3.5	0.6	1509	26.5	H
803	6	03 33 49.1	06 05 14	57	*0.0046	0.0012	22.8	16.2	3.7	1.0	1009	26.8	H

(3h 32m)

I 6733

(3h 32m)



SEARCH FOR HIGH LX QSO'S: 8

FIELD CENTER: 03^h 32^m 12.1^s 07° 50' 14" (B1950)
 03^h 34^m 53.3^s 08° 00' 12" (J2000)
 l : 177.24 b : -37.09

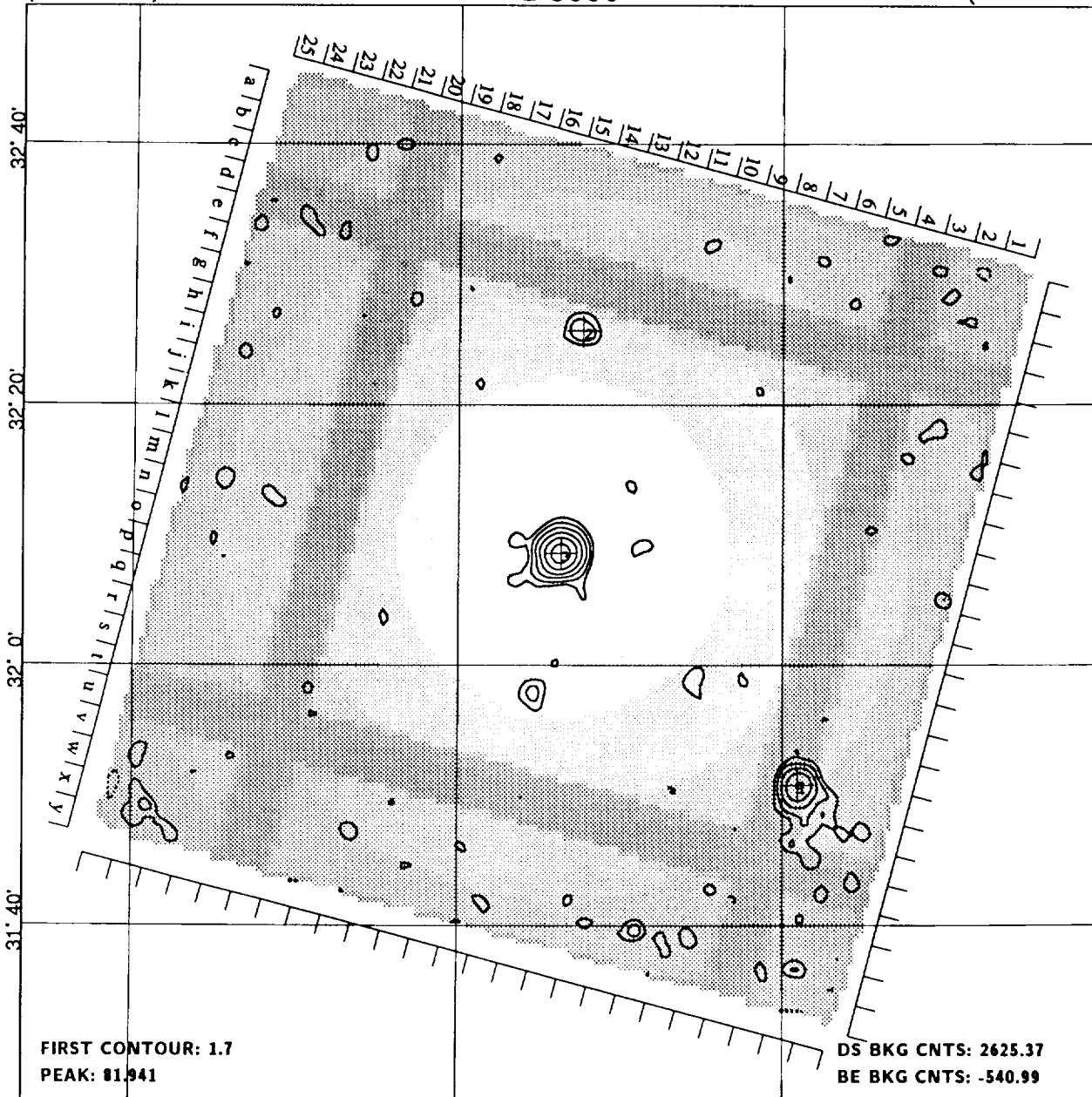
DATE: 1980/ 40 - 1980/ 41
 LIVETIME: 1633.8s
 ROLL ANGLE: 104.5°

NH: 1.5E+21
 REF/ID:
 FIELD FLAGS:

(3h 33m)

I 3886

(3h 33m)



FIRST CONTOUR: 1.7
PEAK: 81.941

DS BKG CNTS: 2625.37
BE BKG CNTS: -540.99

3h 36m

3h 34m

3h 32m

RADIO BURTING QSO NRAO 140

FIELD CENTER: 03^h33^m22.4^s 32°08'36" (B1950)
03^h36^m30.1^s 32°18'29" (J2000)
l: 159.00 b: -18.76

DATE: 1980/ 52 - 1980/ 52
LIVETIME: 2127.4s
ROLL ANGLE: 104.8°

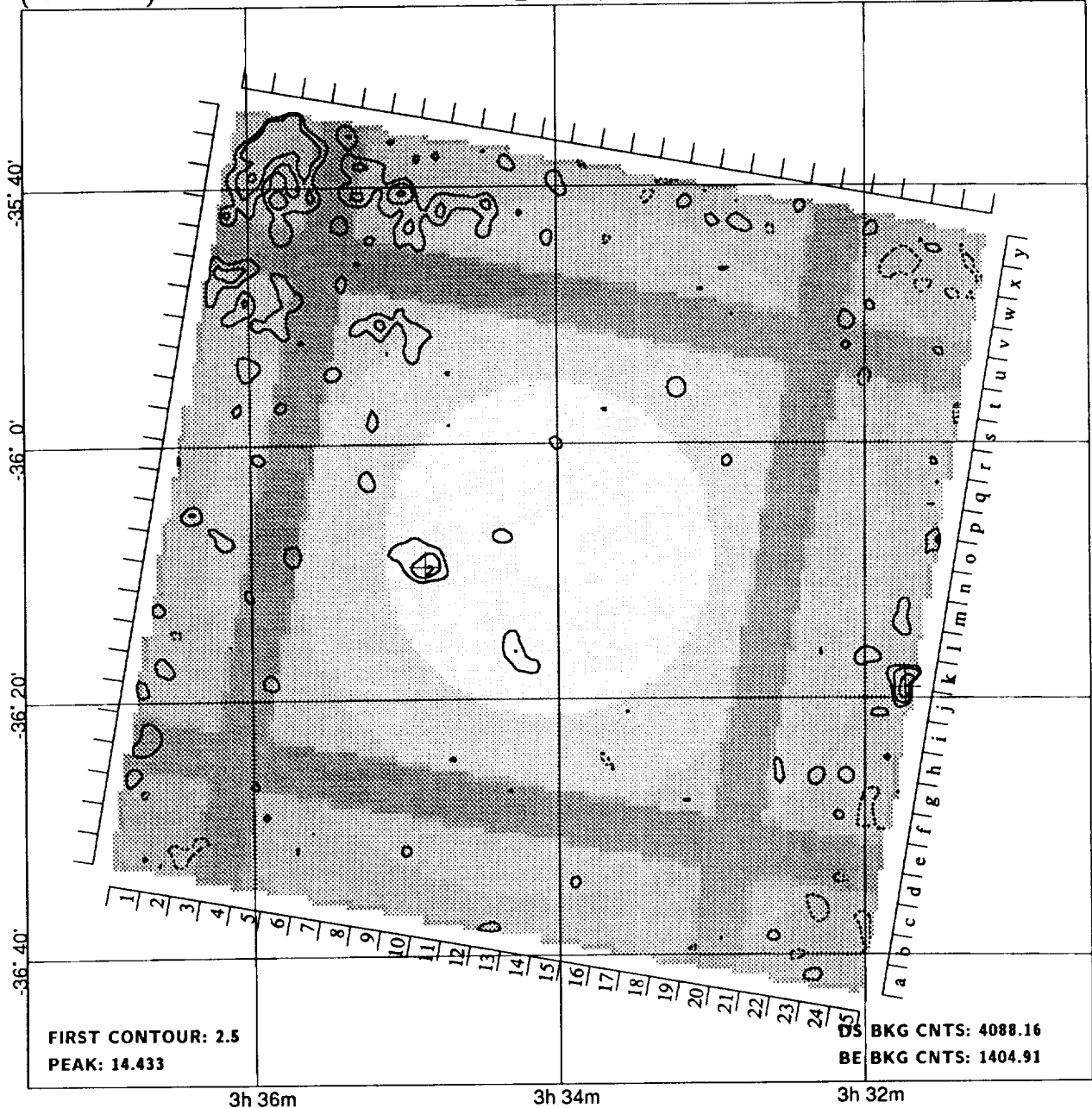
NH: 1.4E+21
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
796	1	03 31 54.4	31 50 51	50	*0.0669 0.0089	59.5	2.5	7.6	1.3	1209	25.8	H
800	2	03 33 13.9	32 25 43	53	0.0152 0.0039	18.3	3.7	3.9	0.8	200	17.0	
801	3	03 33 21.9	32 08 39	31	0.190 0.011	301.4	4.6	17.2	1.1	0	0.2	H Q

(3h 34m)

I 4129

(3h 34m)

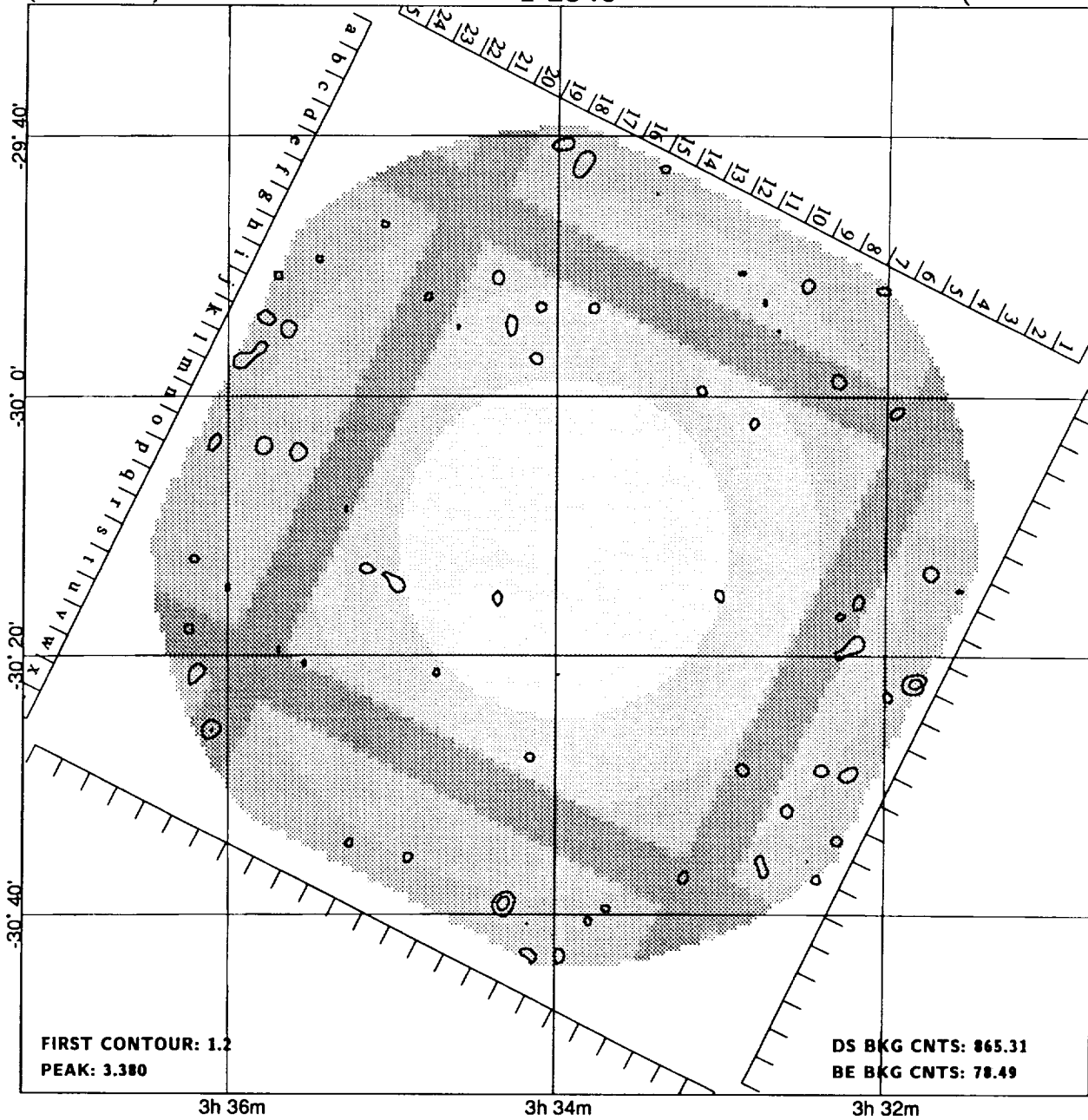


CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC	ID
794	1	03 31 44.4	-36 19 10	51	*0.0334 0.0065	32.0	7.0	5.1	0.9	703	29.6	AEH	SY
807	2	03 34 52.1	-36 09 34	42	0.0151 0.0030	33.3	11.7	5.0	1.4	0	9.9	H	

(3h 34m)

I 2340

(3h 34m)



SOUTHERN HEMISPHERE SURVEY :4U0334-30

FIELD CENTER: $03^h 34^m 00.0^s$ $-30^\circ 11' 59''$ (B1950)
 $03^h 36^m 02.5^s$ $-30^\circ 02' 07''$ (J2000)
 $l: 227.52$ $b: -53.94$

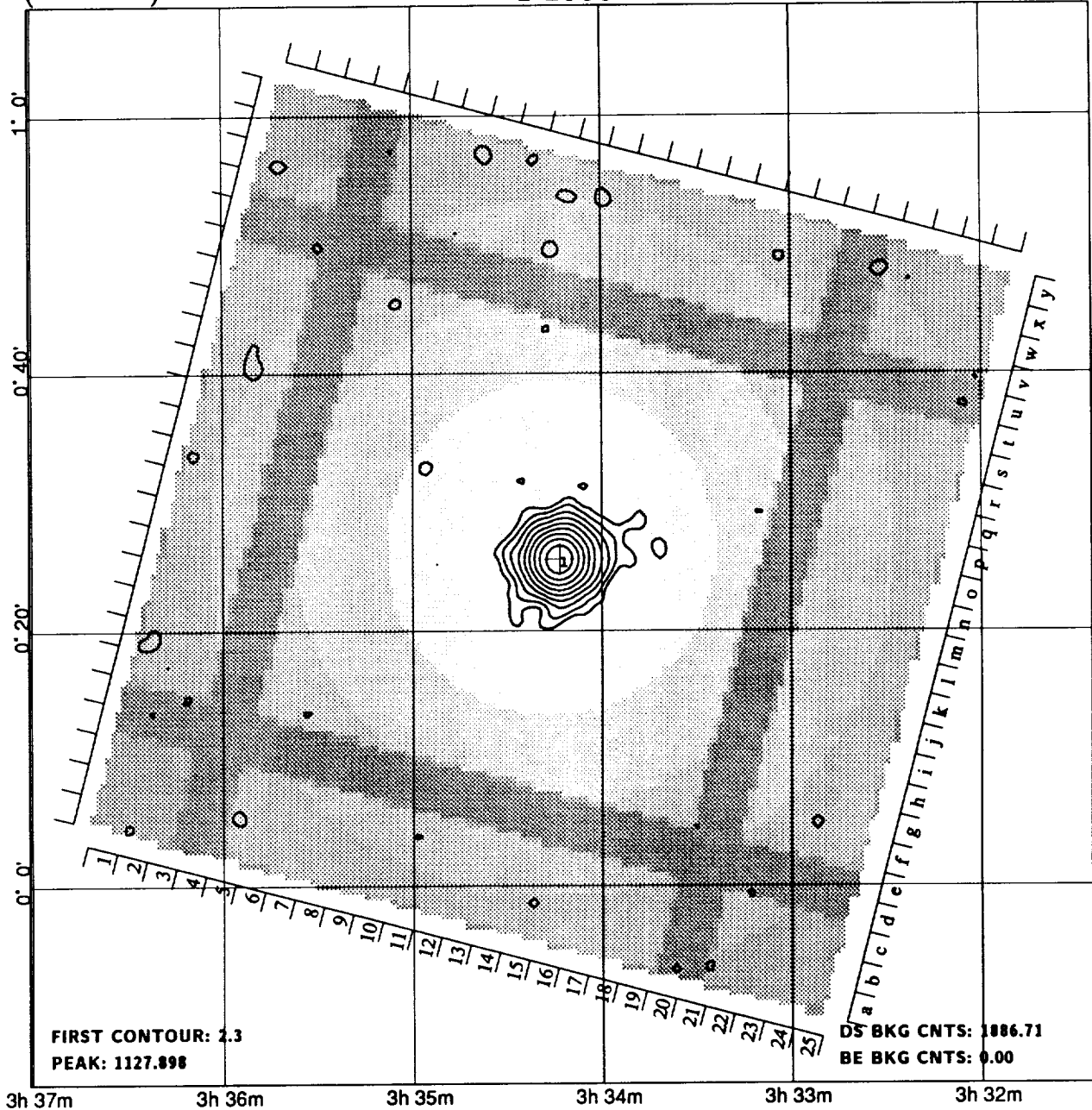
DATE: 1979/ 22 - 1979/ 28
 LIVETIME: 701.2s
 ROLL ANGLE: 116.5°

NH: $9.8E+19$
 REF/ID:
 FIELD FLAGS:

(3h 34m)

I 2306

(3h 34m)



HR 1099=HD22468: STELLAR SURVEY: RS CVN AND BY DRA STARS

FIELD CENTER: 03^h34^m12.9^s 00°26'34" (B1950)
 03^h36^m47.1^s 00°36'25" (J2000)
 l : 184.89 b : -41.56

DATE: 1979/225 - 1979/225
 LIVETIME: 1528.8s
 ROLL ANGLE: -75.4°

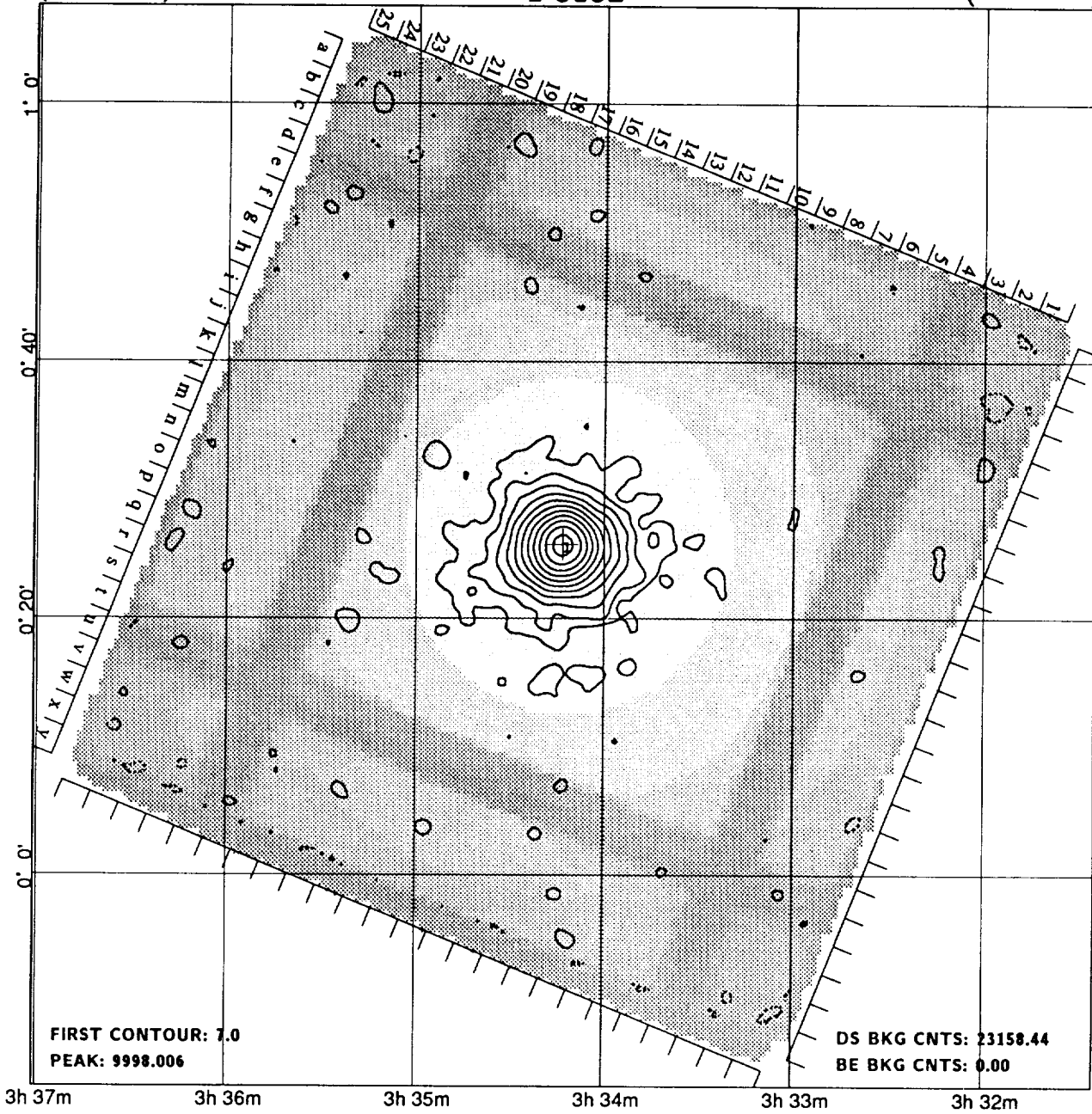
NH: 7.7E+20
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT ± RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
804	1L	03 34 13.4	00 25 32	31	3.798 0.069	4316.9	541.1	54.5	1.4	0	1.0	A S

(3h 34m)

I 3152

(3h 34m)



VARIABILITY OF HR 1099

FIELD CENTER: 03^h34^m13.1^s 00°25'28" (B1950)
 03^h36^m47.3^s 00°35'19" (J2000)
 l : 184.91 b : -41.57

DATE: 1979/ 27 - 1979/ 36
 LIVETIME: 18765.8s
 ROLL ANGLE: 112.1°

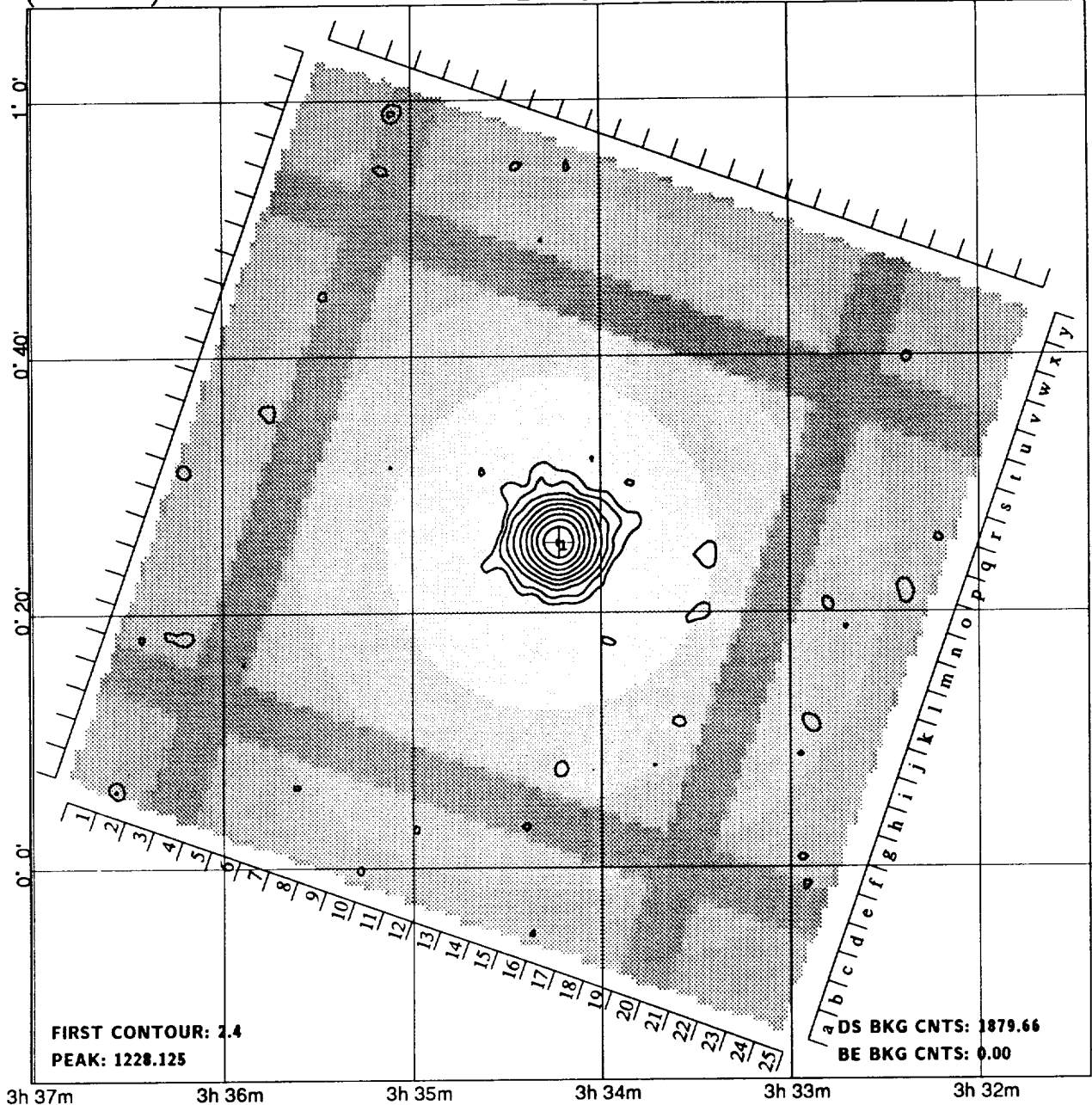
NH: 7.7E+20
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
804	1L	03 34 13.3	00 25 41	31	2.676 0.017	37445.1	6701.9	155.7	1.4	0	0.1	A S

(3h 34m)

I 4496

(3h 34m)



HR 1099 IN STRONG FLARE

FIELD CENTER: $03^{\text{h}}34^{\text{m}}13.1^{\text{s}}$ $00^{\circ}25'28''$ (B1950)
 $03^{\text{h}}36^{\text{m}}47.3^{\text{s}}$ $00^{\circ}35'19''$ (J2000)
 $l: 184.91$ $b: -41.57$

DATE: 1979/210 - 1979/210
 LIVETIME: 1523.1s
 ROLL ANGLE: -70.7°

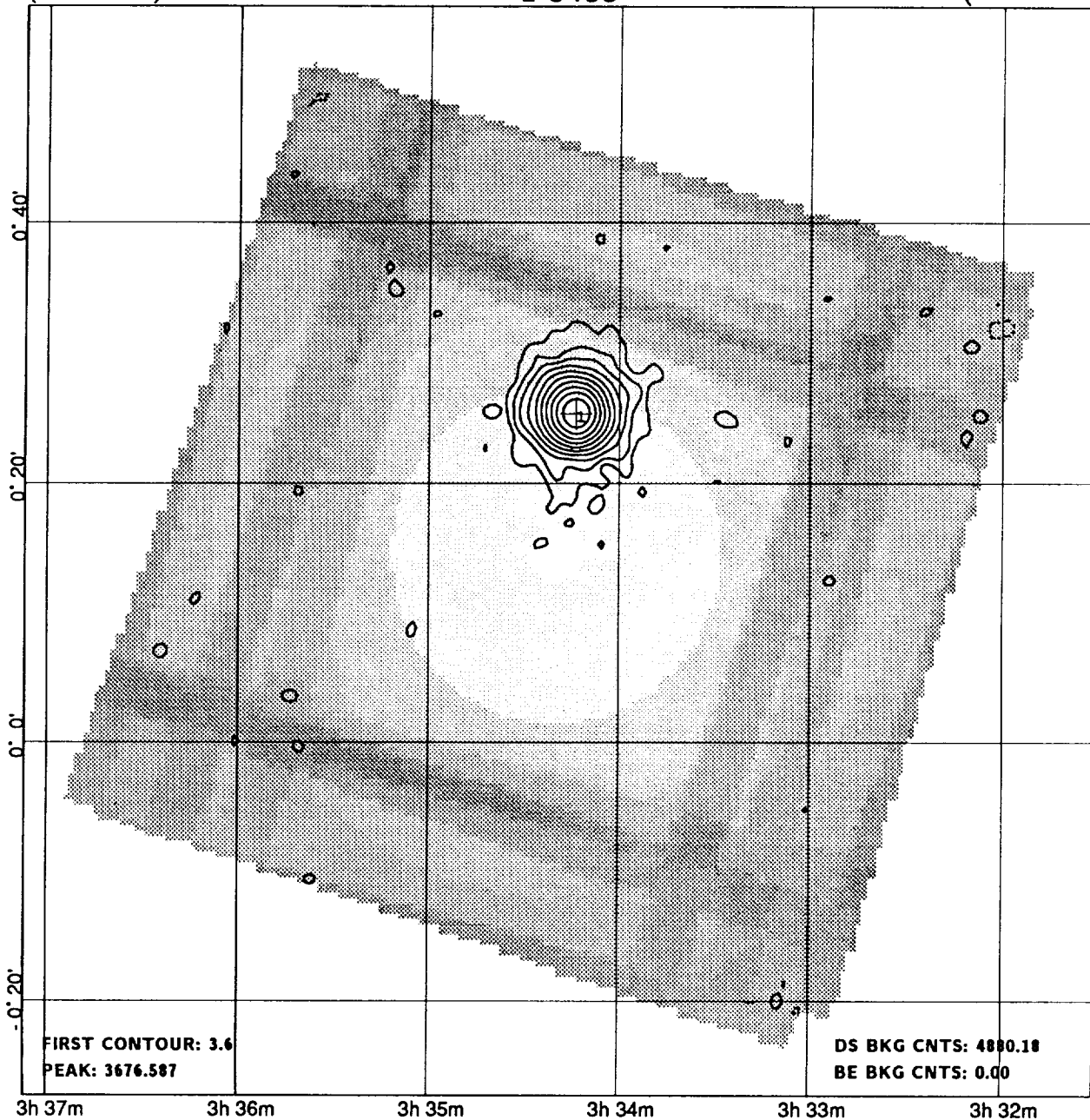
NH: $7.7E+20$
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
804	1L	03 34 13.3	00 25 30	31	4.142	0.075	4695.4	784.6	55.4	1.4	0	0.1	A	S

(3h 34m)

I 5455

(3h 34m)



10 TAU

FIELD CENTER: $03^h 34^m 19.1^s$ $00^{\circ} 14' 39''$ (B1950)
 $03^h 36^m 53.1^s$ $00^{\circ} 24' 30''$ (J2000)
 $l: 185.12$ $b: -41.66$

DATE: 1980/ 39 - 1980/213
 LIVETIME: 3954.5s

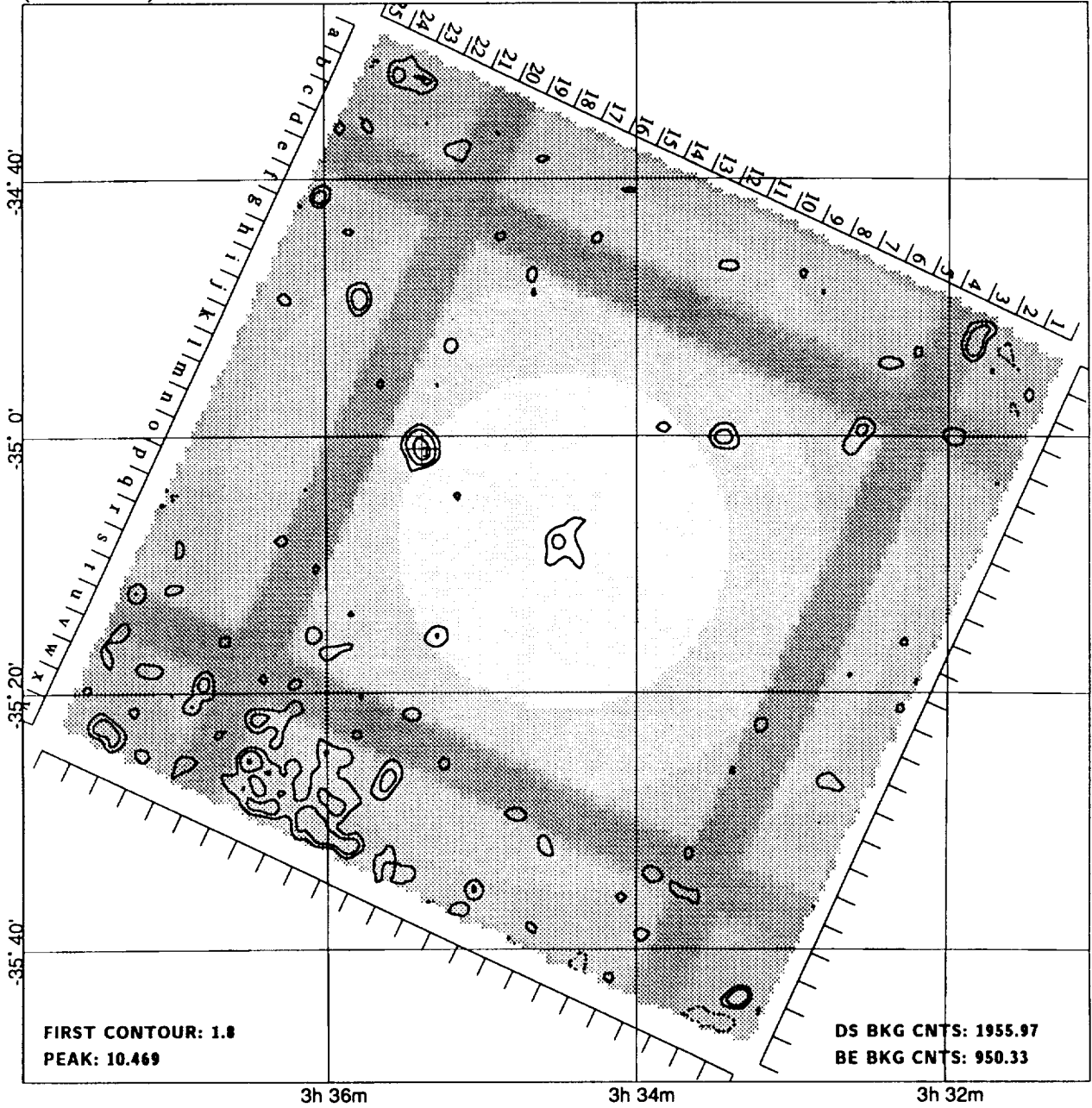
NH: $7.4E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID FLG
804	1L	03 34 13.6	00 25 18	37	4.640	0.050	12042.8	1328.2	92.0	1.3	0	10.8	A	S

(3h 34m)

I 5777

(3h 34m)



FIRST CONTOUR: 1.8
PEAK: 10.469

DS BKG CNTS: 1955.97
BE BKG CNTS: 950.33

NORMAL GALAXIES: N1380

FIELD CENTER: $03^h 34^m 31.0^s -35^{\circ} 00' 23''$ (B1950)
 $03^h 36^m 26.9^s -34^{\circ} 58' 32''$ (J2000)
 $l: 235.93 \quad b: -54.06$

DATE: 1980/ 24 - 1980/ 25
LIVETIME: 1585.0s
ROLL ANGLE: 115.0°

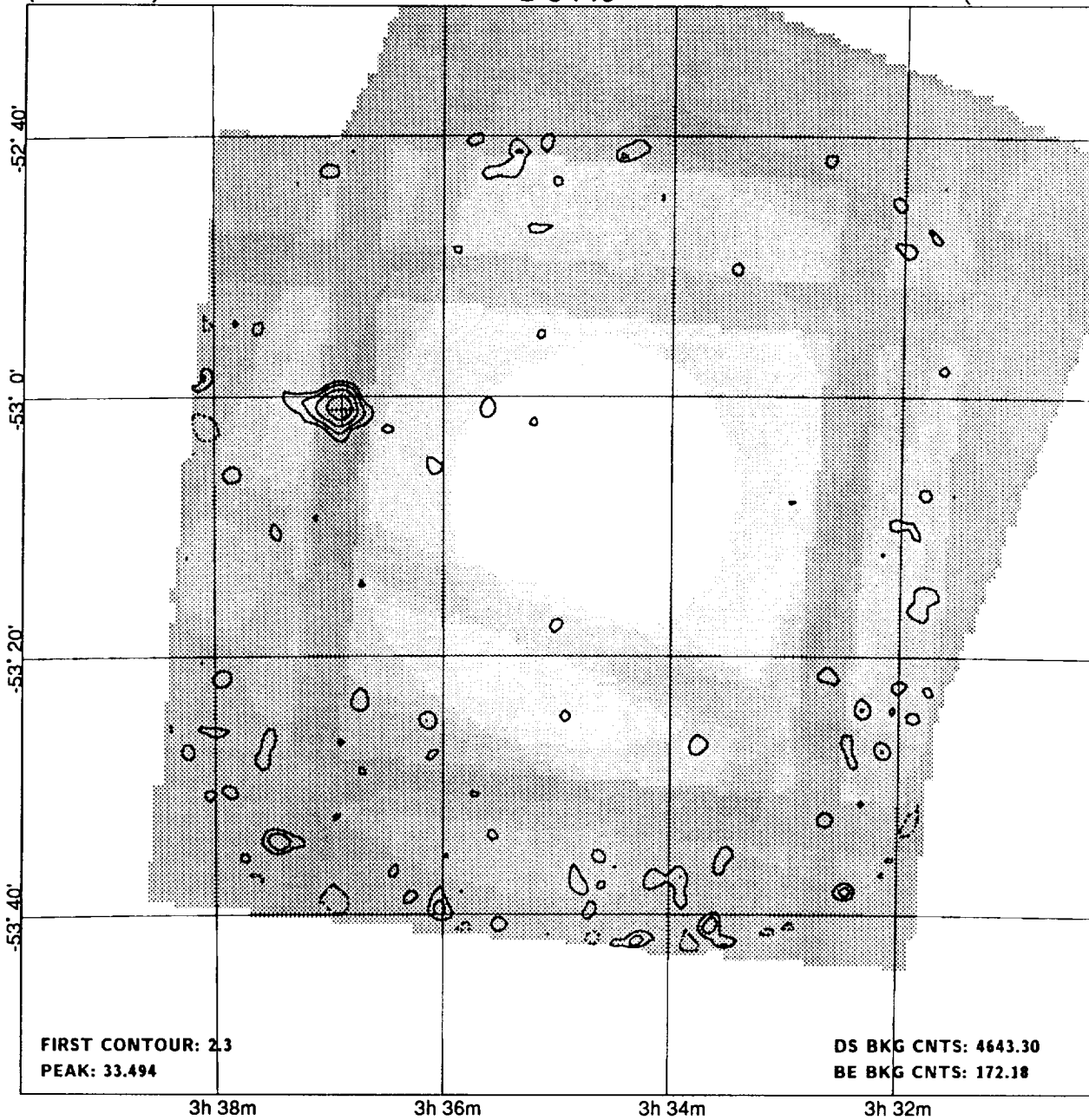
NH: $1.3E+20$
REF/ID:
FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
809	1L	03 35 23.0	-35 00 58	41	0.0361	0.0073	35.3	4.7	4.8	0.9	0	12.8		Q

(3h 35m)

I 3449

(3h 35m)



RICH SUPERCLUSTER AT 0330-53

FIELD CENTER: $03^h 35^m 00.0^s$ $-53^\circ 11' 59''$ (B1950)
 $03^h 36^m 21.8^s$ $-53^\circ 02' 09''$ (J2000)
 $l: 264.80$ $b: -50.07$

DATE: 1979/211 - 1980/ 50
 LIVETIME: 3762.6s

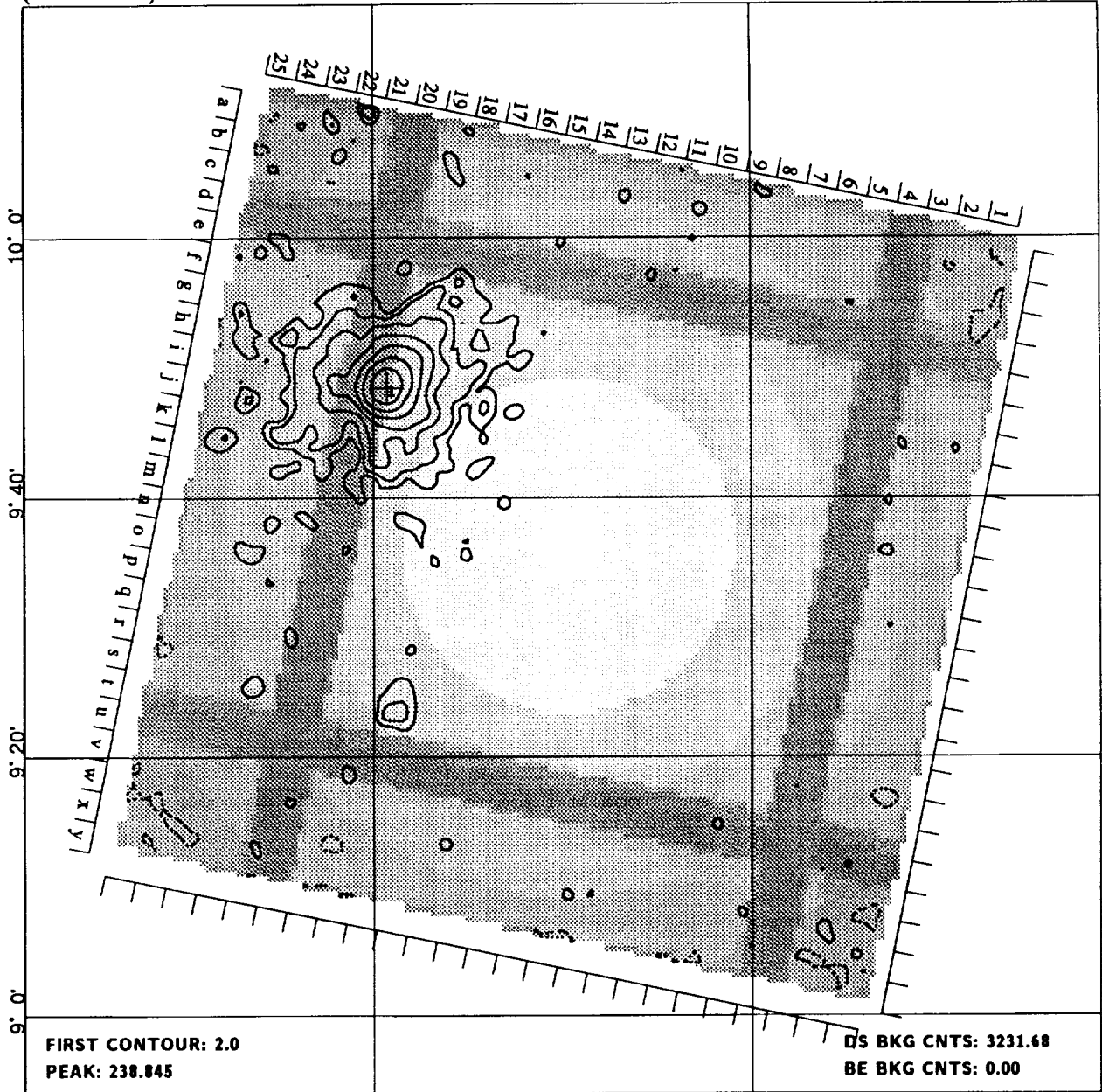
NH: $2.0E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
818	1	03 36 53.3	-53 01 00	48	*0.0489	0.0052	93.7	5.3	9.4	1.2	1309	20.5	H

(3h 35m)

I 452

(3h 35m)



CLOSE PAIR ABNORMAL GALAXIES SURVEY

FIELD CENTER: 03^h 35^m 00.0^s 09° 35' 59" (B1950)
 03^h 37^m 43.0^s 09° 45' 47" (J2000)
 l : 176.25 b : -35.37

DATE: 1979/ 56 - 1979/ 56
 LIVETIME: 2618.7s
 ROLL ANGLE: 101.6°

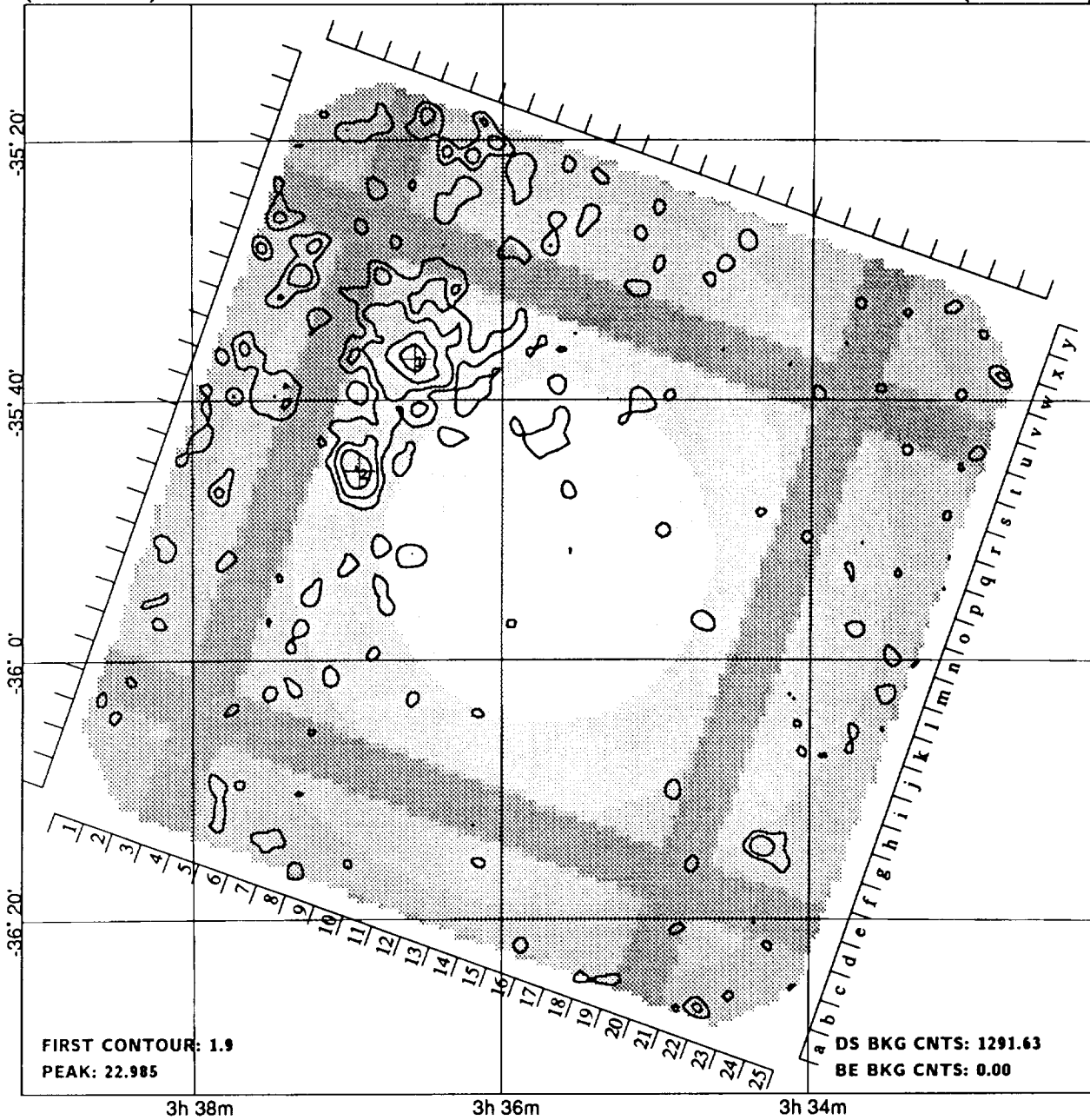
NH: 1.7E+21
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT ± RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID FLG
812	1L	03 35 55.7	09 48 29	47	*0.279 0.038	388.5	283.5	7.2	2.6	906	18.5		

(3h 35m)

I 4128

(3h 35m)



FIRST CONTOUR: 1.9
 PEAK: 22.985

DS BKG CNTS: 1291.63
 BE BKG CNTS: 0.00

3h 38m

3h 36m

3h 34m

H0332-36 POSITION

FIELD CENTER: 03^h 35^m 38.4^s -35° 51' 35" (B1950)
 03^h 37^m 33.1^s -35° 41' 48" (J2000)
 l : 237.14 b : -53.82

DATE: 1980/229 - 1980/229
 LIVETIME: 1046.6s
 ROLL ANGLE: -70.4°

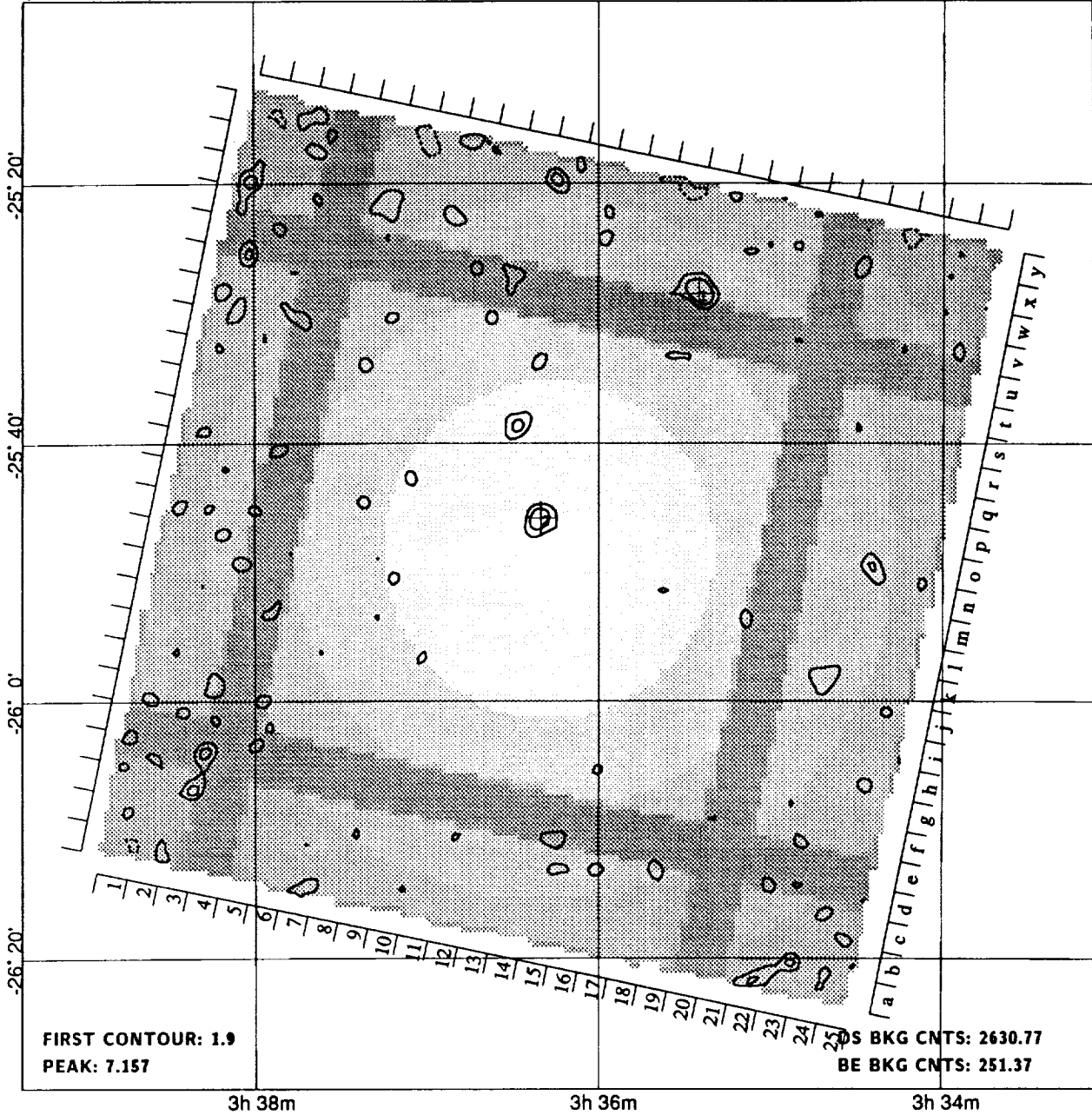
NH: 1.4E+20
 REF/ID: I
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
816	1L	03 36 33.8	-35 36 51	50	0.075	0.018	42.5	29.5	4.0	4.7	0	18.7	A
819	2L	03 36 55.5	-35 45 23	50	0.070	0.015	41.7	14.3	4.6	7.1	0	16.9	A

(3h 36m)

I 4087

(3h 36m)



FIRST CONTOUR: 1.9
PEAK: 7.157

DS BKG CNTS: 2630.77
BE BKG CNTS: 251.37

3h 38m

3h 36m

3h 34m

H0336-25 POSITION

FIELD CENTER: 03^h 36^m 14.0^s -25° 47' 59" (B1950)
03^h 38^m 21.6^s -25° 38' 15" (J2000)
l: 220.36 b: -52.76

DATE: 1980/229 - 1980/229
LIVETIME: 2131.8s
ROLL ANGLE: -78.3°

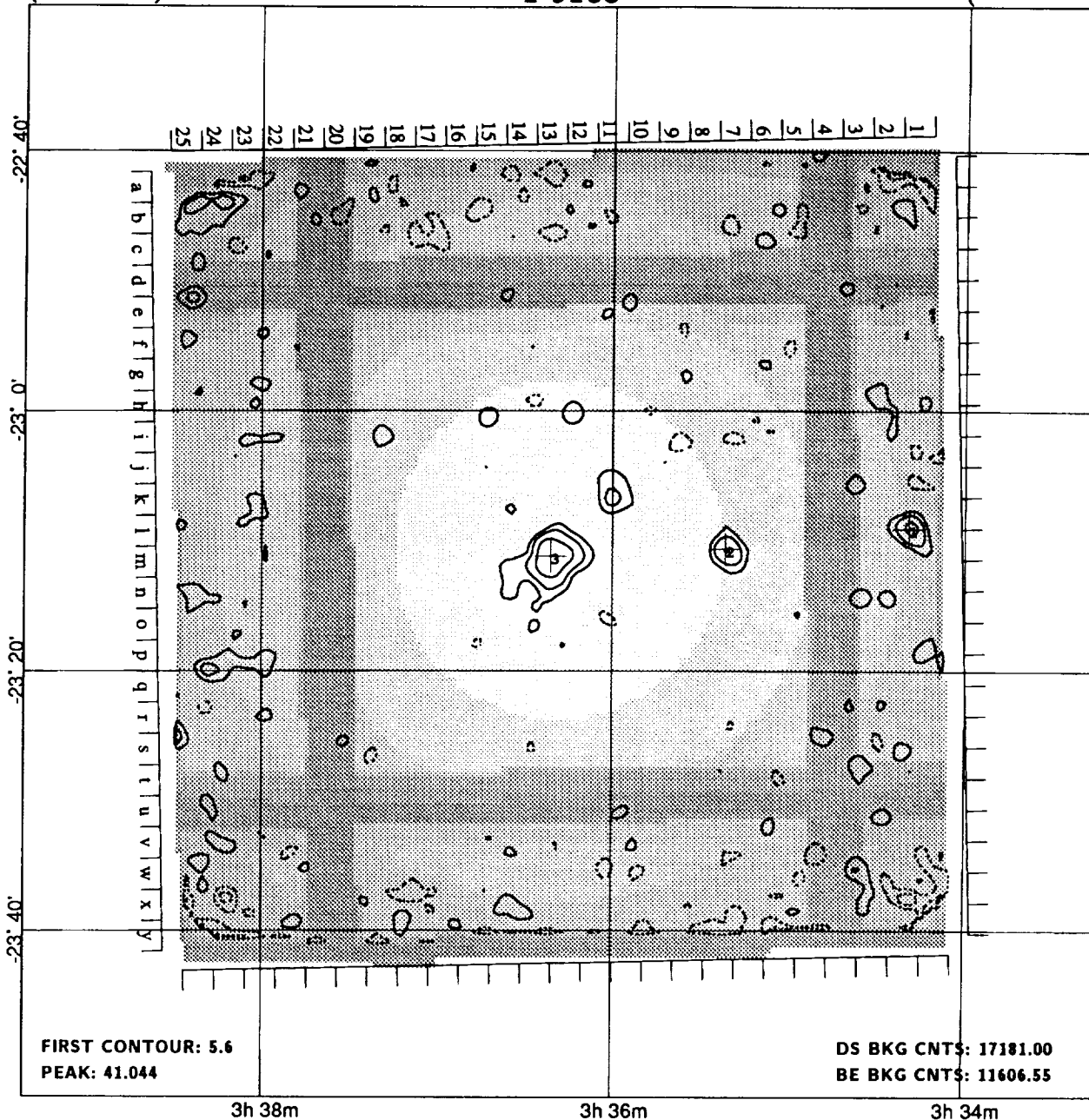
NH: 1.0E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
810	1	03 35 24.9	-25 28 29	55	*0.0194	0.0049	19.1	3.9	4.0	0.8	804	22.4	H	
814	2	03 36 20.2	-25 45 50	36	0.0141	0.0034	22.0	7.0	4.1	0.7	0	2.5	H	

(3h 36m)

I 9185

(3h 36m)



FIRST CONTOUR: 5.6
PEAK: 41.044

DS BKG CNTS: 17181.00
BE BKG CNTS: 11606.55

ELLIPTICAL & OTHER ISOLATED GALAXIES: NGC 1395

FIELD CENTER: $03^h 36^m 18.0^s$ $-23^\circ 10' 59''$ (B1950)
 $03^h 38^m 28.6^s$ $-23^\circ 01' 15''$ (J2000)
 $l: 216.20$ $b: -52.12$

DATE: 1981/ 64 - 1981/ 64
 LIVETIME: 13922.2s
 ROLL ANGLE: 88.8°

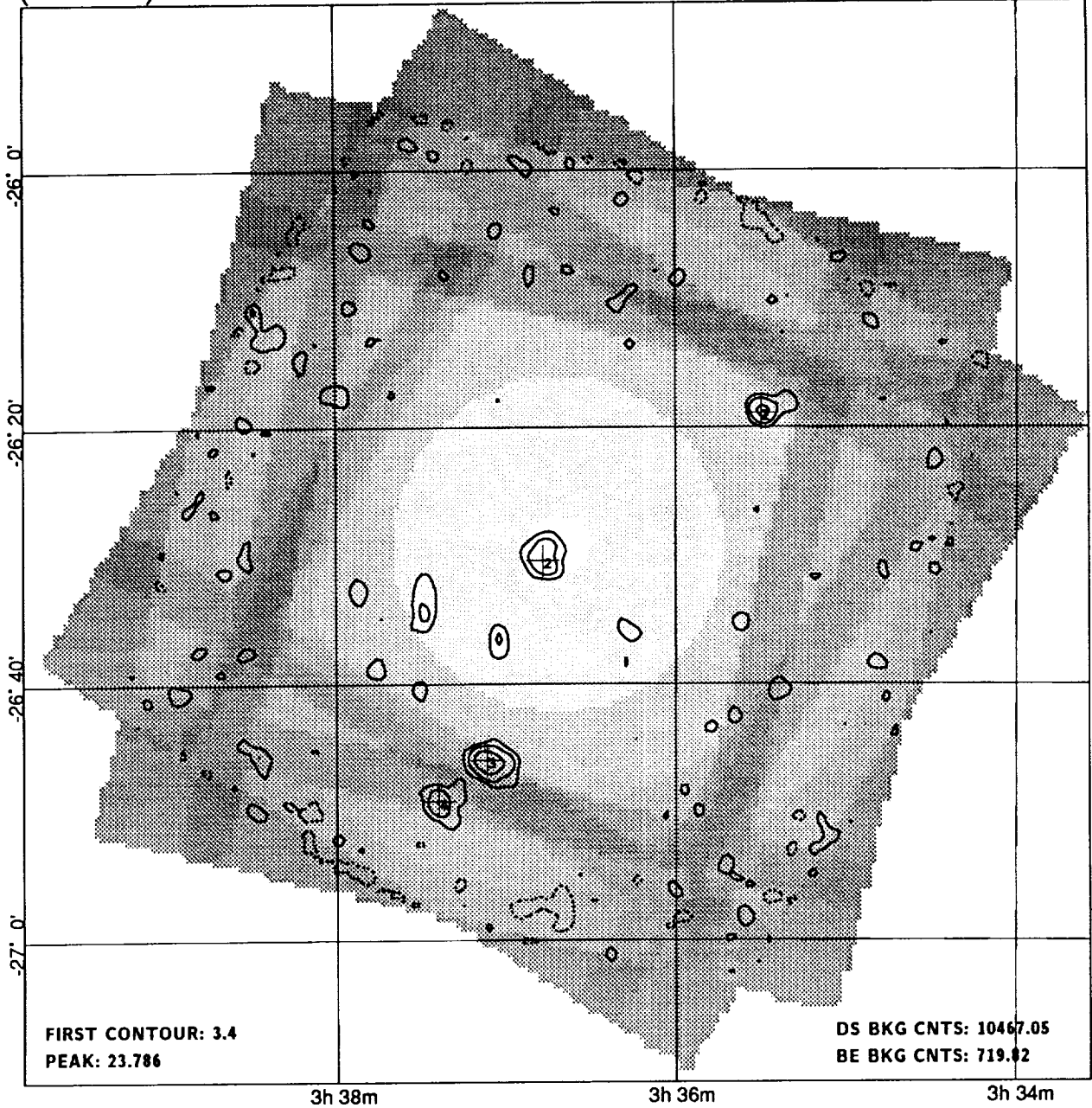
NH: $1.7E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
806	1L	03 34 19.1	-23 09 03	51	0.0095	0.0023	51.7	51.3	4.0	0.9	0	27.5	
808	2L	03 35 21.4	-23 10 39	41	0.0090	0.0017	77.9	61.1	5.3	0.9	0	12.9	
815	3L	03 36 21.1	-23 11 12	31	0.0142	0.0020	147.2	135.8	7.0	1.8	0	0.6	G

(3h 36m)

I 2096

(3h 36m)



X-RAY SURVEY OF NORMAL GALAXIES: NGC1398

FIELD CENTER: $03^h 36^m 42.0^s$ $-26^\circ 28' 59''$ (B1950)
 $03^h 38^m 48.7^s$ $-26^\circ 19' 16''$ (J2000)
 $l: 221.51$ $b: -52.79$

DATE: 1979/ 30 - 1980/226
 LIVETIME: 8481.7s

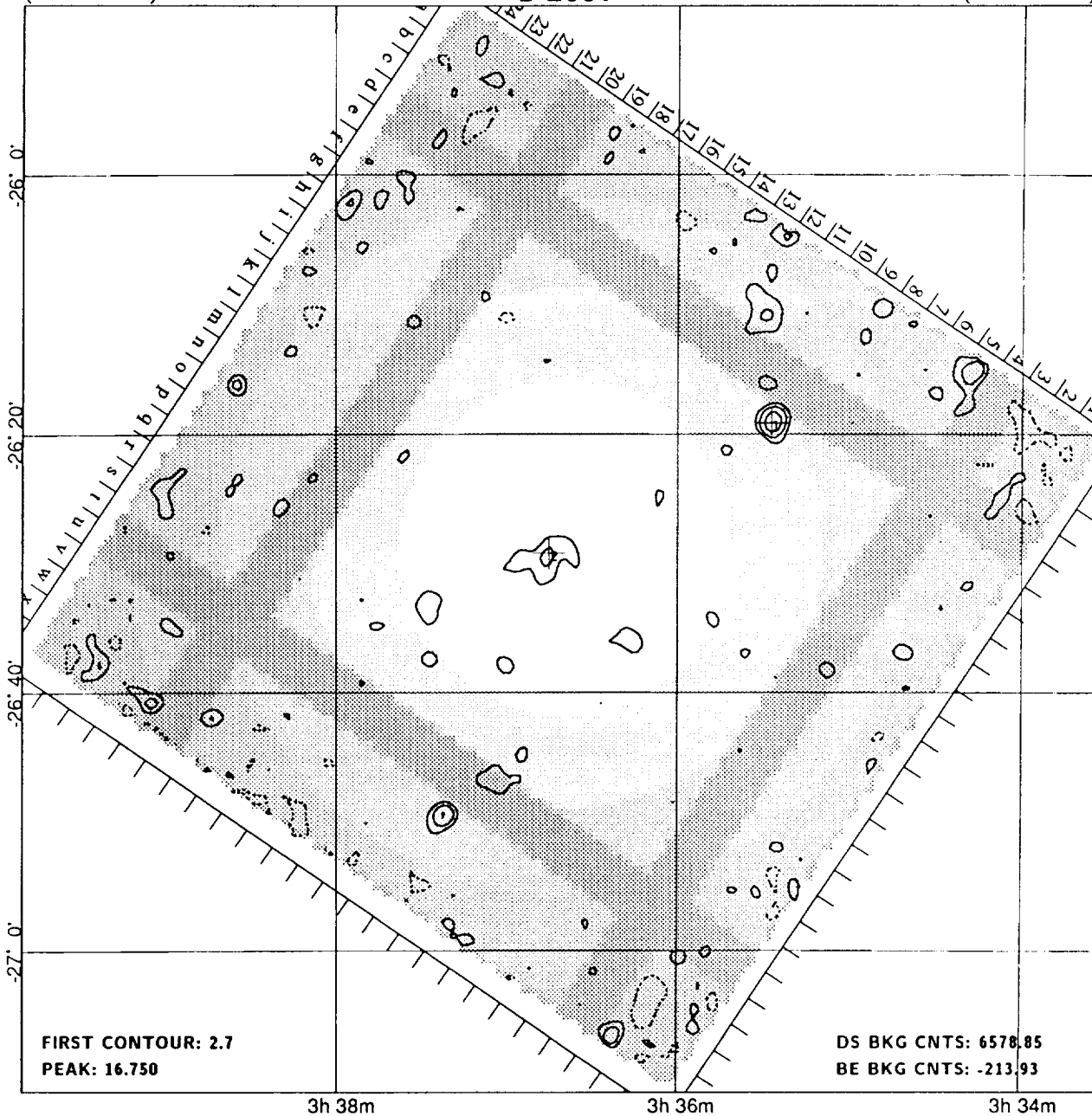
NH: $9.7E+19$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
811	1	03 35 29.7	-26 18 55	50	0.0093	0.0018	41.6	21.4	5.2	0.9	100	19.0	A	
817	2	03 36 46.8	-26 30 19	35	0.0090	0.0015	56.6	27.4	6.2	1.1	0	1.7	AH	G
821	3	03 37 06.9	-26 45 58	50	*0.0152	0.0020	70.6	16.4	7.6	1.1	908	17.9		
822	4	03 37 23.8	-26 49 10	52	*0.0083	0.0017	33.8	15.2	4.8	1.1	1109	22.0		

(3h 36m)

I 2097

(3h 36m)



X-RAY SURVEY OF NORMAL GALAXIES: NGC1398

FIELD CENTER: 03^h36^m42.0^s -26°28'59'' (B1950)
 03^h38^m48.7^s -26°19'16'' (J2000)
 l : 221.51 b : -52.79

DATE: 1981/ 12 - 1981/ 12
 LIVETIME: 5331.0s
 ROLL ANGLE: 124.0°

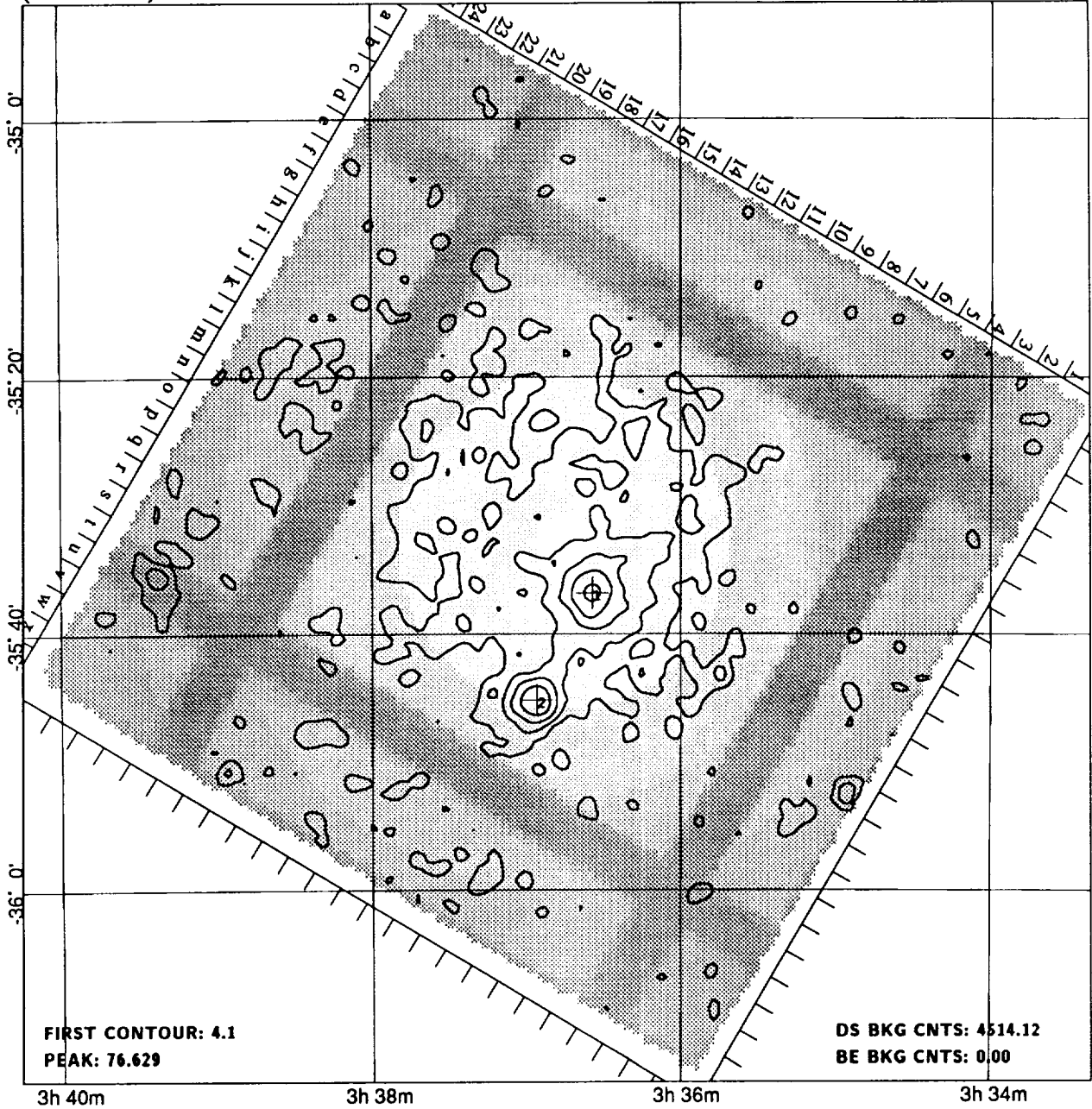
NH: 9.7E+19
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
811	1	03 35 27.2	-26 19 08	50	0.0127	0.0024	35.9	10.1	5.3	0.8	400	19.4	AH	
817	2	03 36 45.1	-26 29 13	37	0.0064	0.0016	25.1	15.9	3.9	1.5	0	1.0	A	G

(3h 36m)

I 1887

(3h 36m)



NGC1399=0336.35: X-RAY STUDY OF RADIO GALAXIES

FIELD CENTER: $03^h 36^m 48.0^s$ $-35^\circ 32' 59''$ (B1950)
 $03^h 38^m 43.0^s$ $-35^\circ 23' 16''$ (J2000)
 $l: 236.61$ $b: -53.59$

DATE: 1980/ 18 - 1980/ 19
 LIVETIME: 3657.9s
 ROLL ANGLE: 120.7°

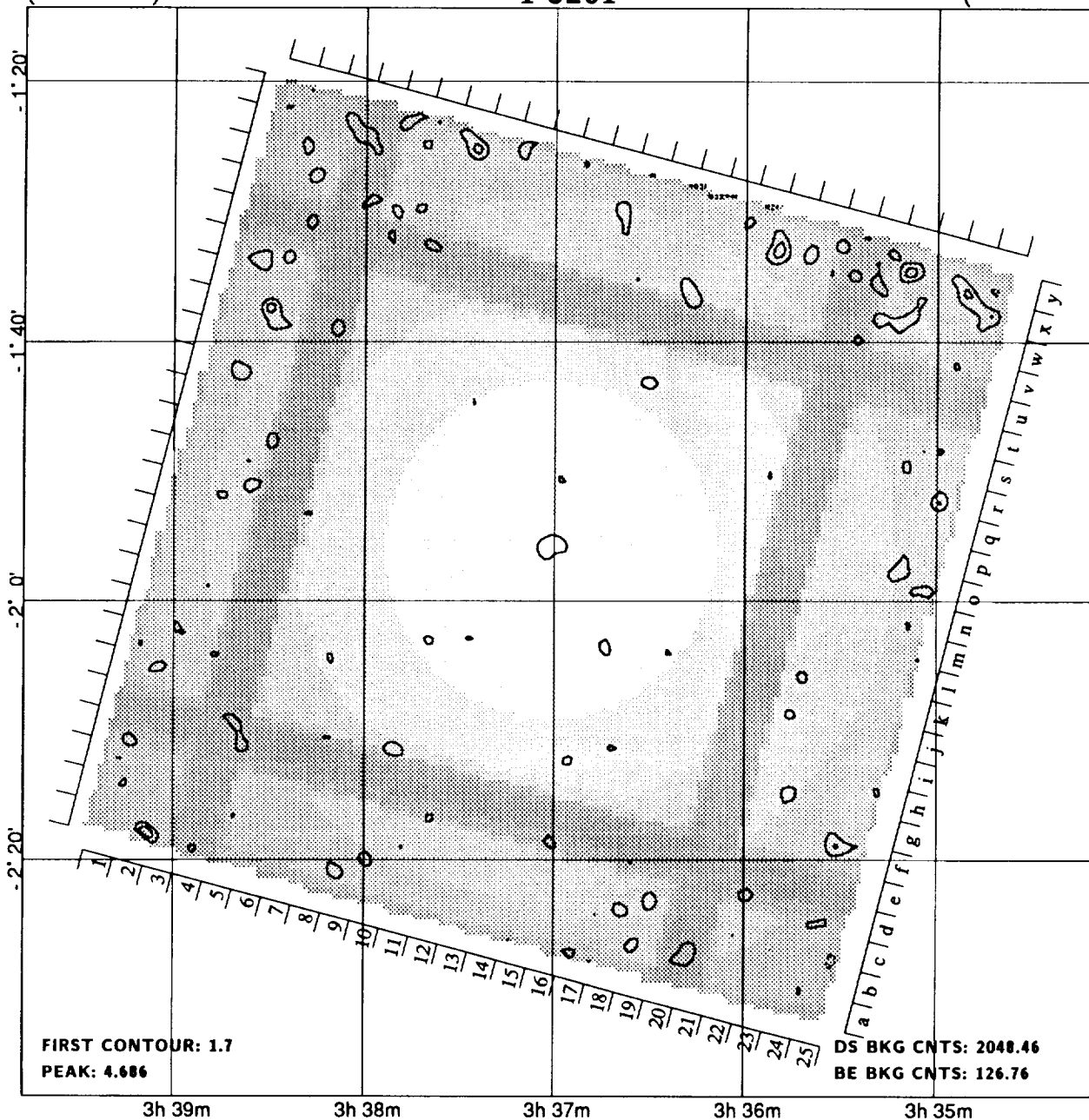
NH: $1.4E+20$
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE \pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
816	1L	03 36 34.3	-35 36 51	31	0.0926 0.0088	243.5	131.5	10.4	9.4	0	4.7	A
819	2L	03 36 56.0	-35 45 13	38	0.0754 0.0078	174.6	62.4	9.5	13.1	0	12.4	A

(3h 36m)

I 3261

(3h 36m)



0336-01: EXTRAGALACTIC STRONG MILLIMETER SOURCES

FIELD CENTER: $03^h 36^m 59.0^s -01^\circ 56' 16''$ (B1950)
 $03^h 39^m 31.0^s -01^\circ 46' 35''$ (J2000)
 $l: 188.00 \quad b: -42.45$

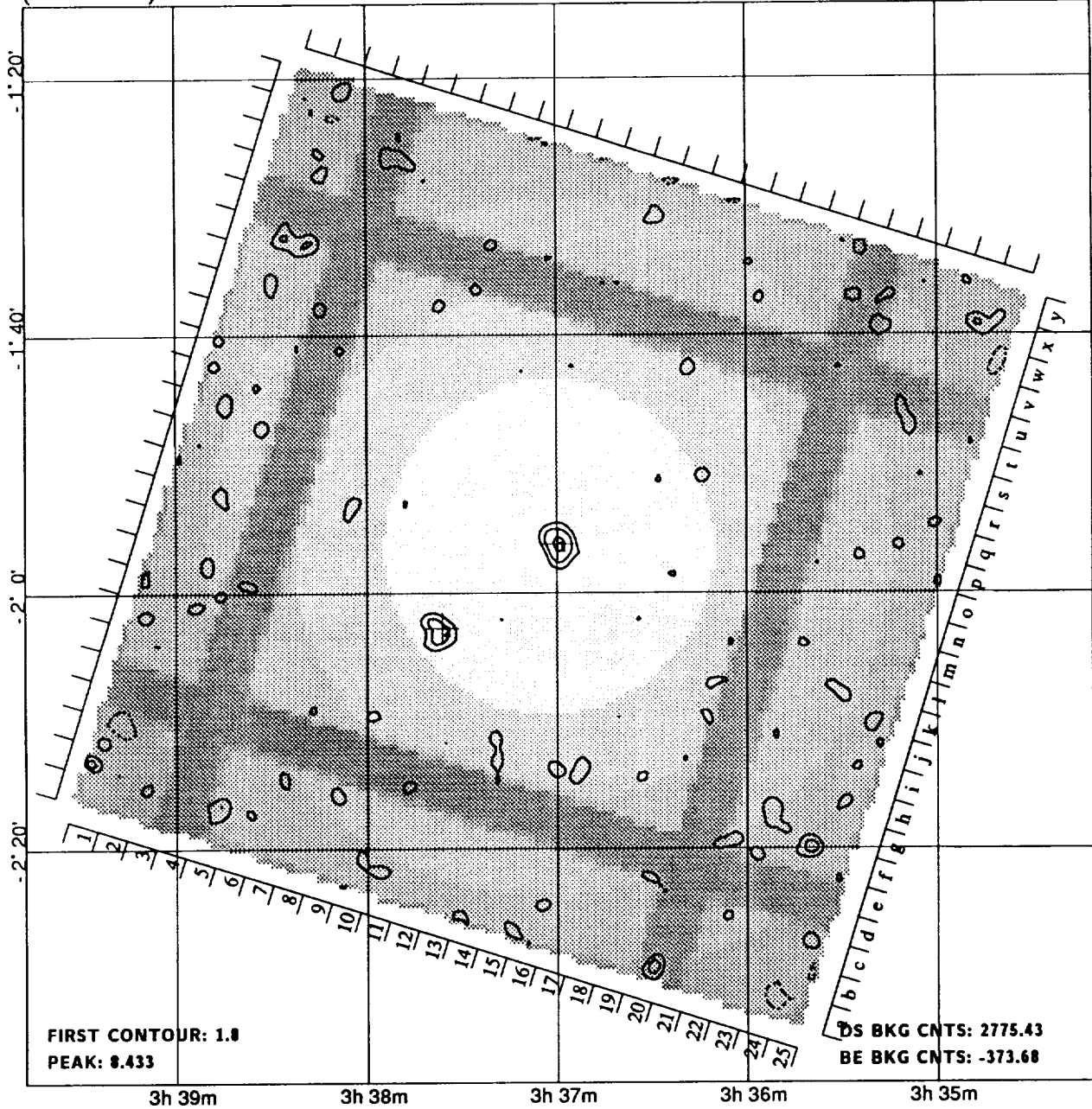
DATE: 1979/226 - 1979/226
 LIVETIME: 1659.9s
 ROLL ANGLE: -75.4°

NH: $6.9E+20$
 REF/ID:
 FIELD FLAGS: C

(3h 36m)

I 7162

(3h 36m)



CTA 26, BURSTING RADIO SOURCE

FIELD CENTER: $03^{\text{h}}36^{\text{m}}59.0^{\text{s}}$ $-01^{\circ}56'16''$ (B1950)
 $03^{\text{h}}39^{\text{m}}31.0^{\text{s}}$ $-01^{\circ}46'35''$ (J2000)
 $l: 188.00$ $b: -42.45$

DATE: 1980/218 - 1980/218
 LIVETIME: 2249.0s
 ROLL ANGLE: -72.7°

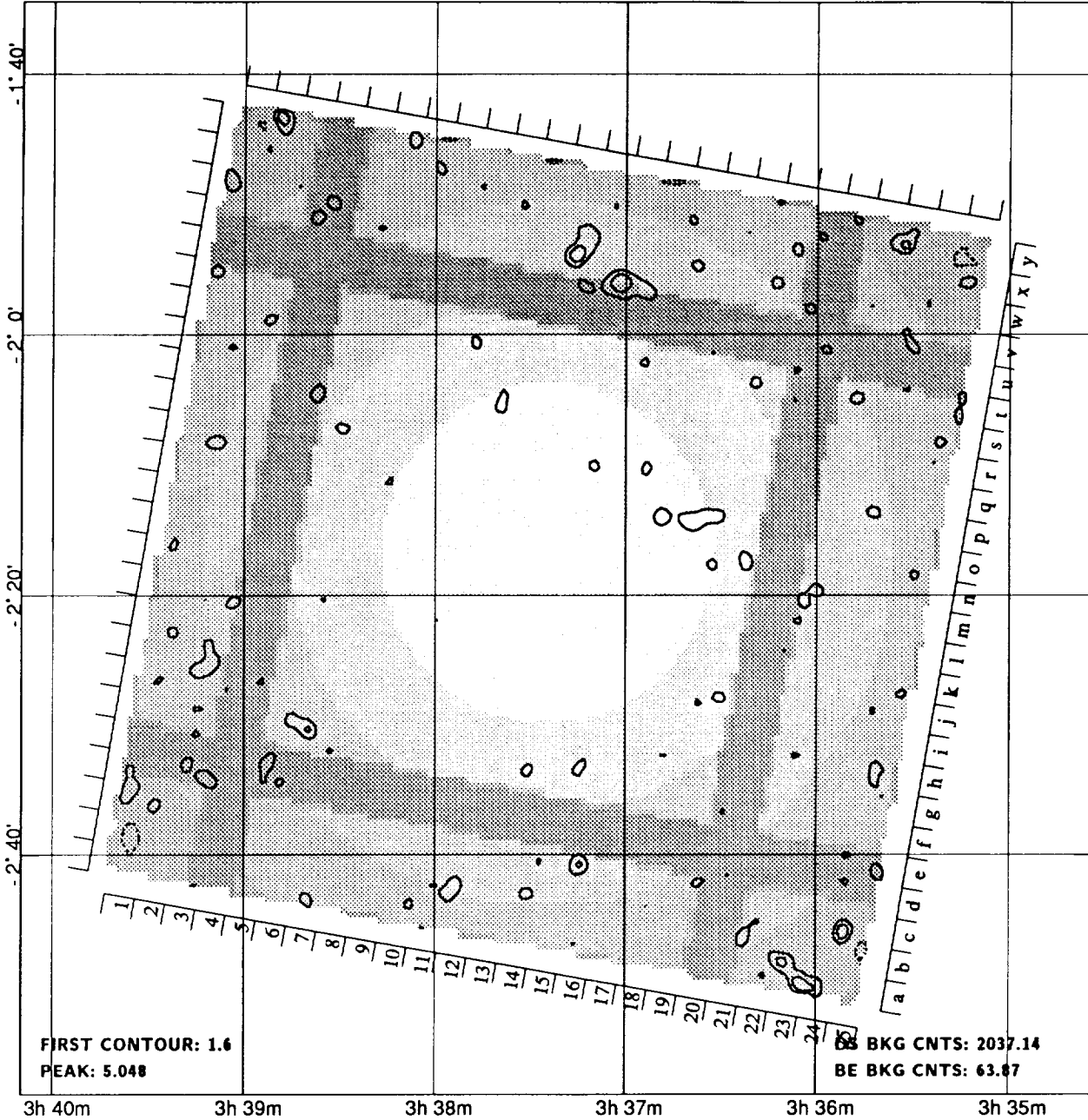
NH: $6.9\text{E}+20$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
820	1	03 36 59.7	-01 56 10	35	0.0180	0.0036	30.2	5.8	5.0	0.9	0	0.4	H	*
823	2	03 37 36.2	-02 02 47	43	0.0157	0.0036	23.3	5.7	4.3	0.9	0	11.5	H	

(3h 37m)

I 7772

(3h 37m)



VV 495, KNOTS IN IRREGULAR GALAXIES

FIELD CENTER: $03^h 37^m 21.7^s - 02^\circ 16' 27''$ (B1950)
 $03^h 39^m 53.3^s - 02^\circ 06' 48''$ (J2000)
 $l: 188.45 \quad b: -42.58$

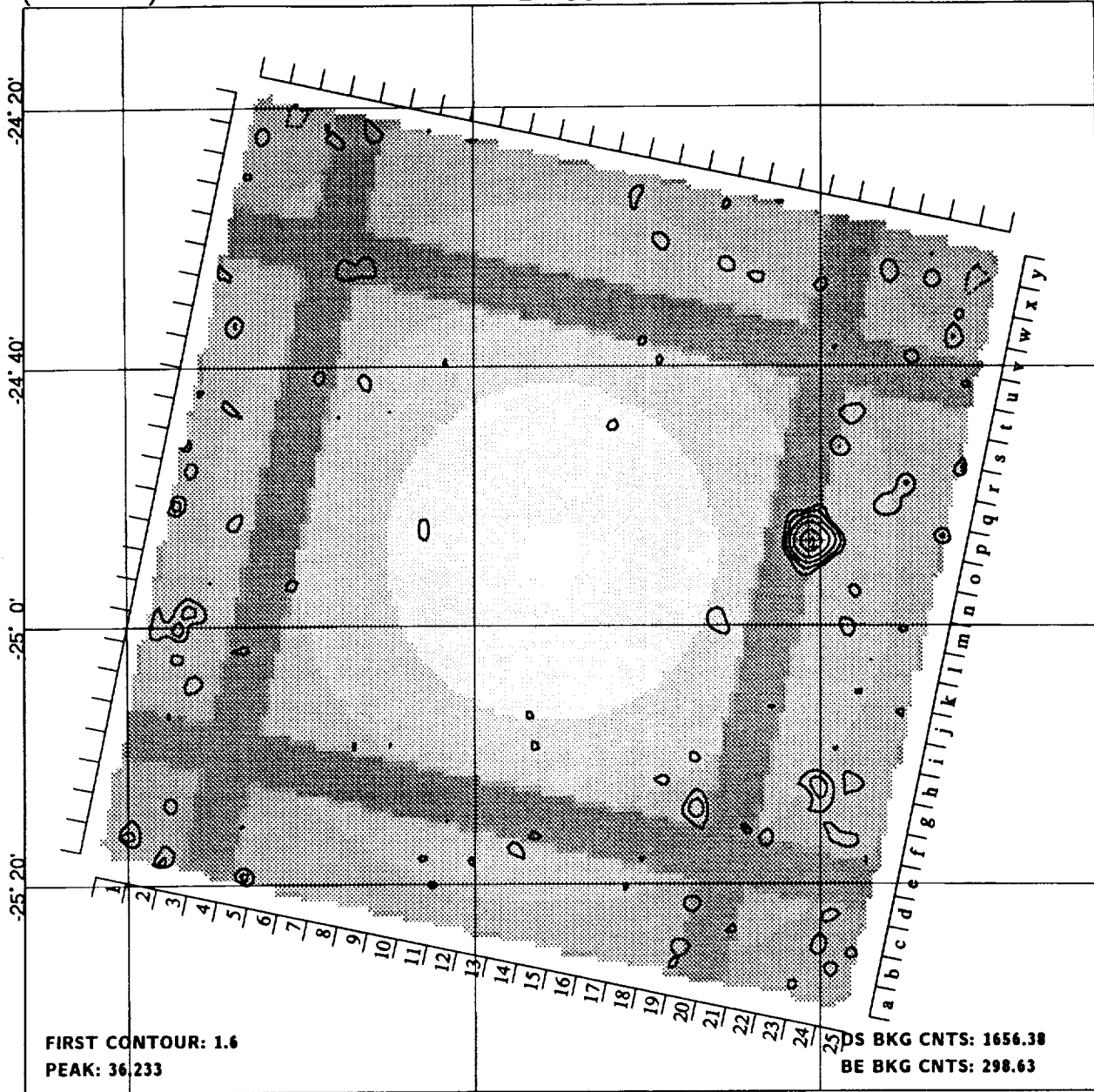
DATE: 1980/239 - 1980/239
 LIVETIME: 1650.7s
 ROLL ANGLE: -80.1°

NH: $6.8E+20$
 REF/ID:
 FIELD FLAGS:

(3h 37m)

I 4084

(3h 37m)



FIRST CONTOUR: 1.6
PEAK: 36.233

DS BKG CNTS: 1656.38
BE BKG CNTS: 298.63

3h 40m

3h 38m

3h 36m

H0336-25 POSITION

FIELD CENTER: $03^h 37^m 30.0^s$ $-24^\circ 54' 05''$ (B1950)
 $03^h 39^m 38.5^s$ $-24^\circ 44' 25''$ (J2000)
 $l: 219.03$ $b: -52.28$

DATE: 1980/229 - 1980/229
LIVETIME: 1342.2s
ROLL ANGLE: -78.2°

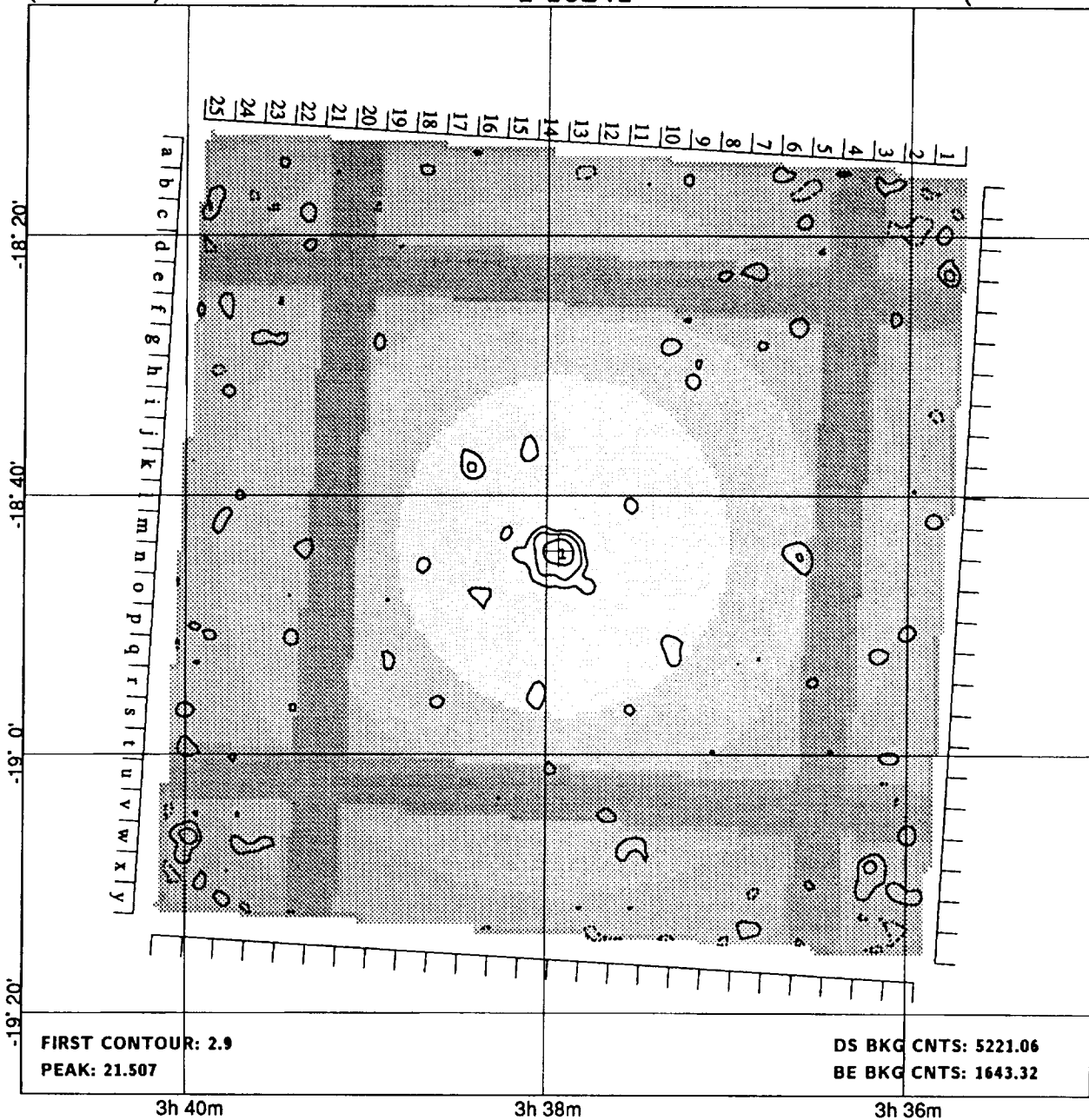
NH: 1.3E+20
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
813	1	03 36 04.0	-24 53 29	48	*0.148	0.015	100.9	2.1	9.9	1.1	1008	19.6	H	AGN

(3h 37m)

I 10241

(3h 37m)



N 1407: E & SO GALAXIES W/ COMPACT NUCLEAR RADIO CORES

FIELD CENTER: 03^h37^m56.2^s -18°44'21" (B1950)
 03^h40^m11.5^s -18°34'43" (J2000)
 l : 209.63 b : -50.38

DATE: 1981/ 57 - 1981/ 58
 LIVETIME: 4230.8s
 ROLL ANGLE: 93.3°

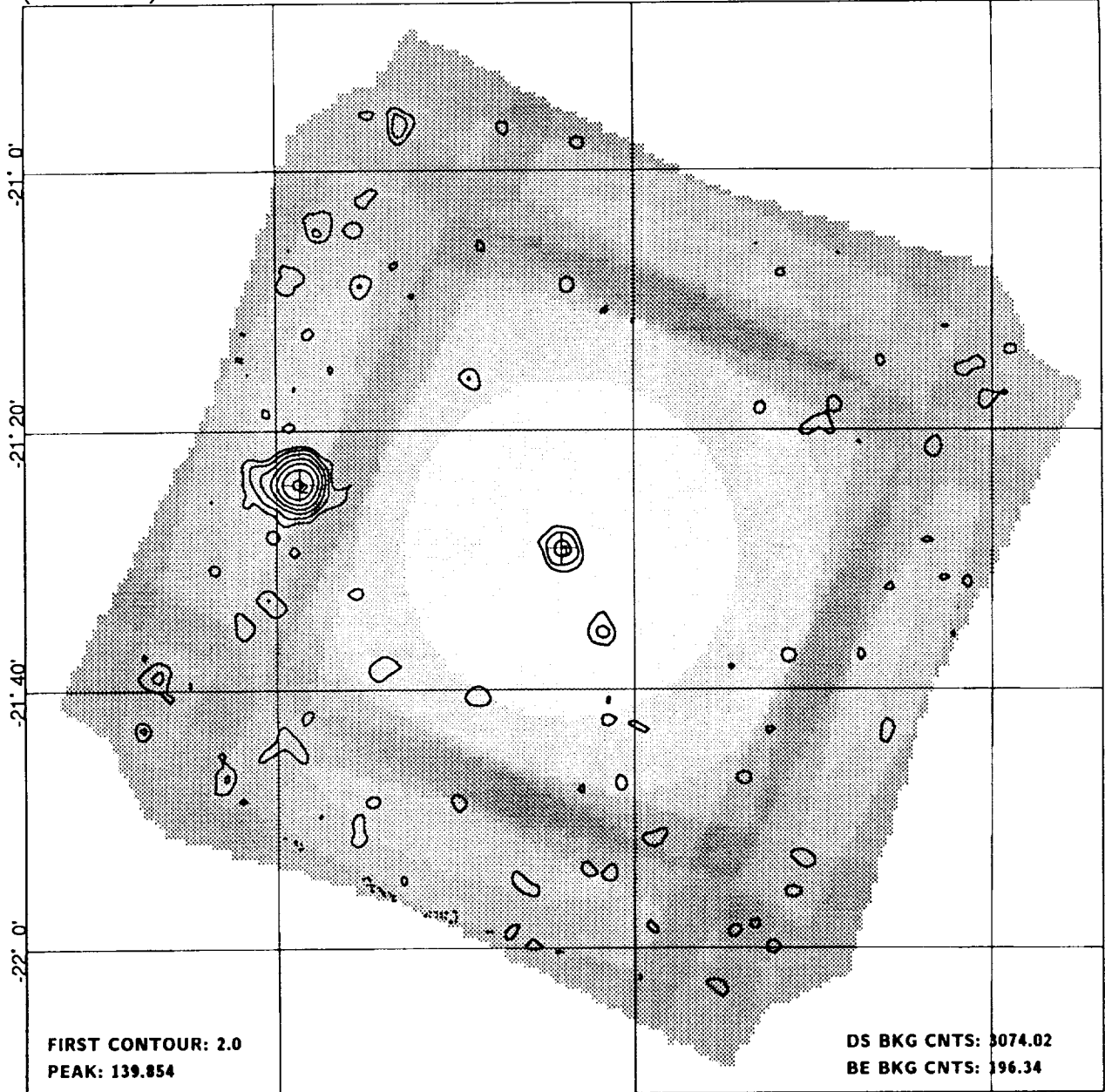
NH: 5.5E+20
 REF/ID:
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
824	1L	03 37 56.0	-18 44 19	32	0.0195	0.0040	61.5	45.5	4.8	1.6	0	0.3	G

(3h 38m)

I 3894

(3h 38m)



0338-214, BL-LAC OBJECT

FIELD CENTER: 03^h38^m23.4^s -21°29'10" (B1950)
 03^h40^m35.7^s -21°19'33" (J2000)
 l : 213.80 b : -51.18

DATE: 1980/ 20 - 1980/ 38
 LIVETIME: 2491.0s

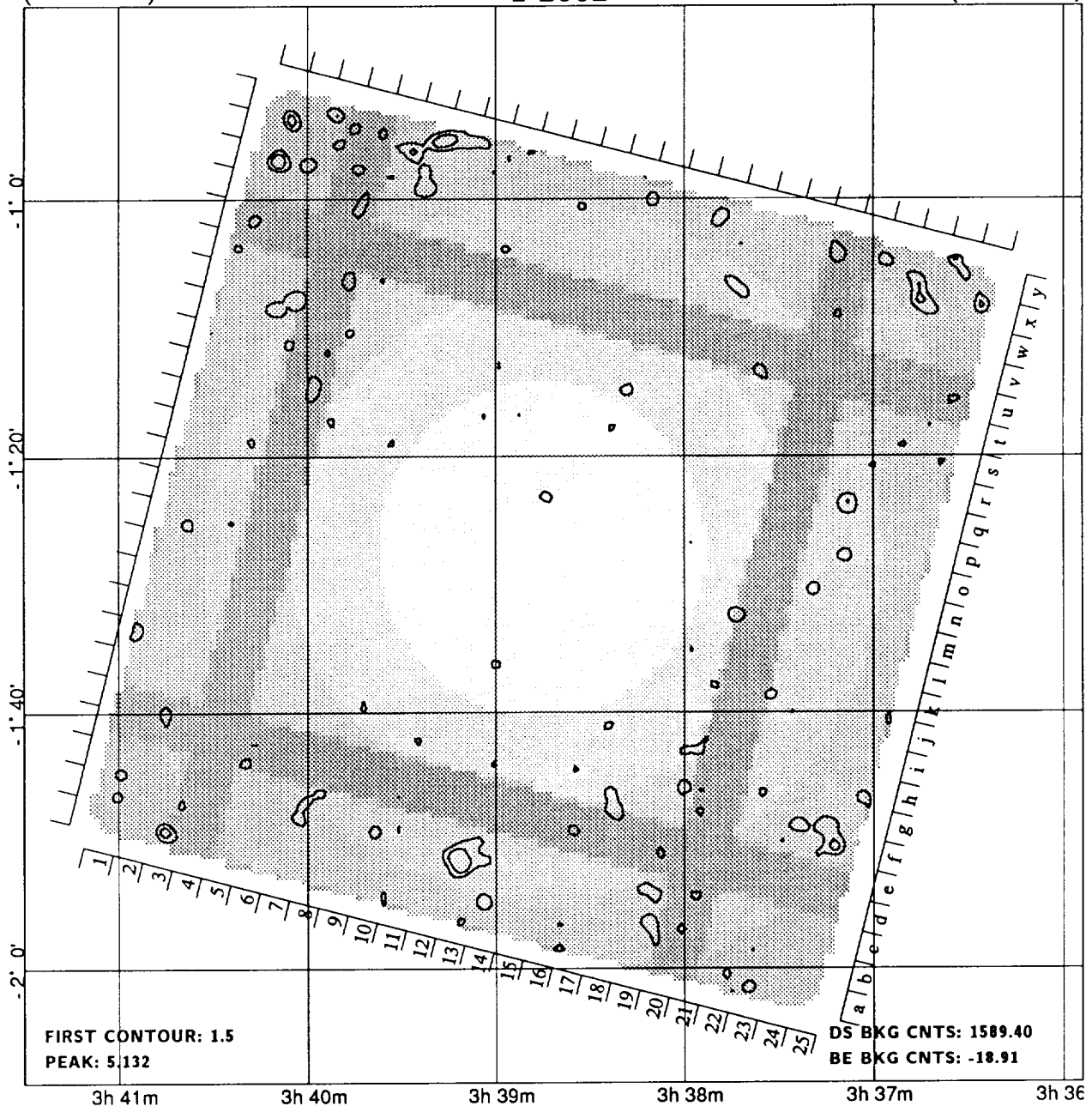
NH: 2.9E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
825	1	03 38 24.4	-21 29 05	35	0.0213	0.0037	39.4	8.6	5.7	0.9	0	0.2	H	BL
826	2	03 39 52.3	-21 24 08	47	*0.318	0.016	381.9	5.1	19.4	1.2	501	21.2	H	

(3h 38m)

I 2662

(3h 38m)



SEYFERT GALAXY SURVEY: 111 ZWICKY 55

FIELD CENTER: $03^{\text{h}}38^{\text{m}}42.0^{\text{s}} -01^{\circ}26'59''$ (B1950)
 $03^{\text{h}}41^{\text{m}}14.4^{\text{s}} -01^{\circ}17'24''$ (J2000)
 $l: 187.82 \quad b: -41.82$

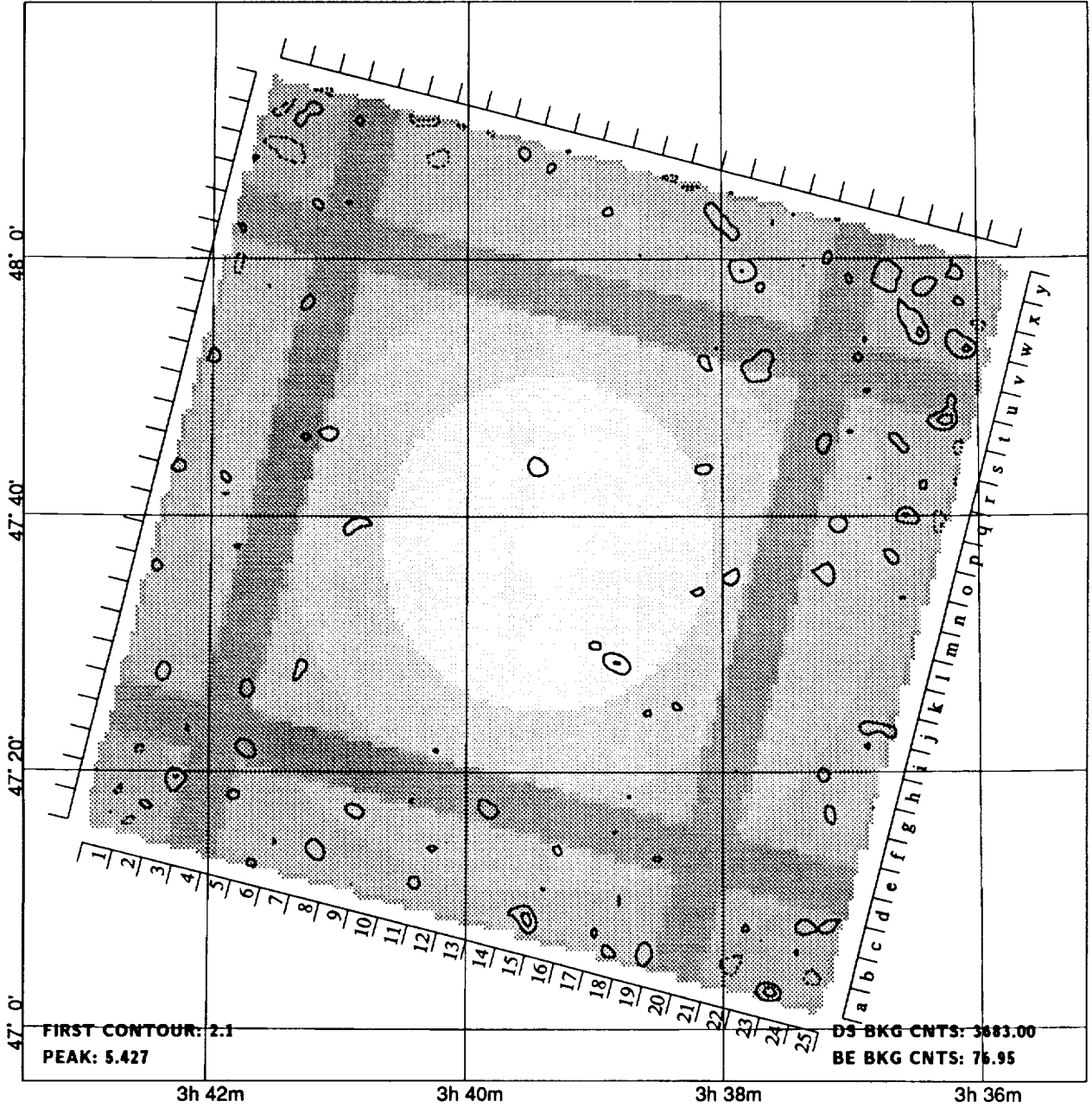
DATE: 1979/226 - 1979/226
 LIVETIME: 1287.9s
 ROLL ANGLE: -75.7°

NH: $7.9\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(3h 39m)

I 2226

(3h 39m)



STELLAR SURVEY-EARLY TYPE STARS: HD22928=DELTA PER

FIELD CENTER: $03^{\text{h}}39^{\text{m}}18.0^{\text{s}}$ $47^{\circ}37'59''$ (B1950)
 $03^{\text{h}}42^{\text{m}}52.1^{\text{s}}$ $47^{\circ}47'30''$ (J2000)
 $l: 150.27$ $b: -5.77$

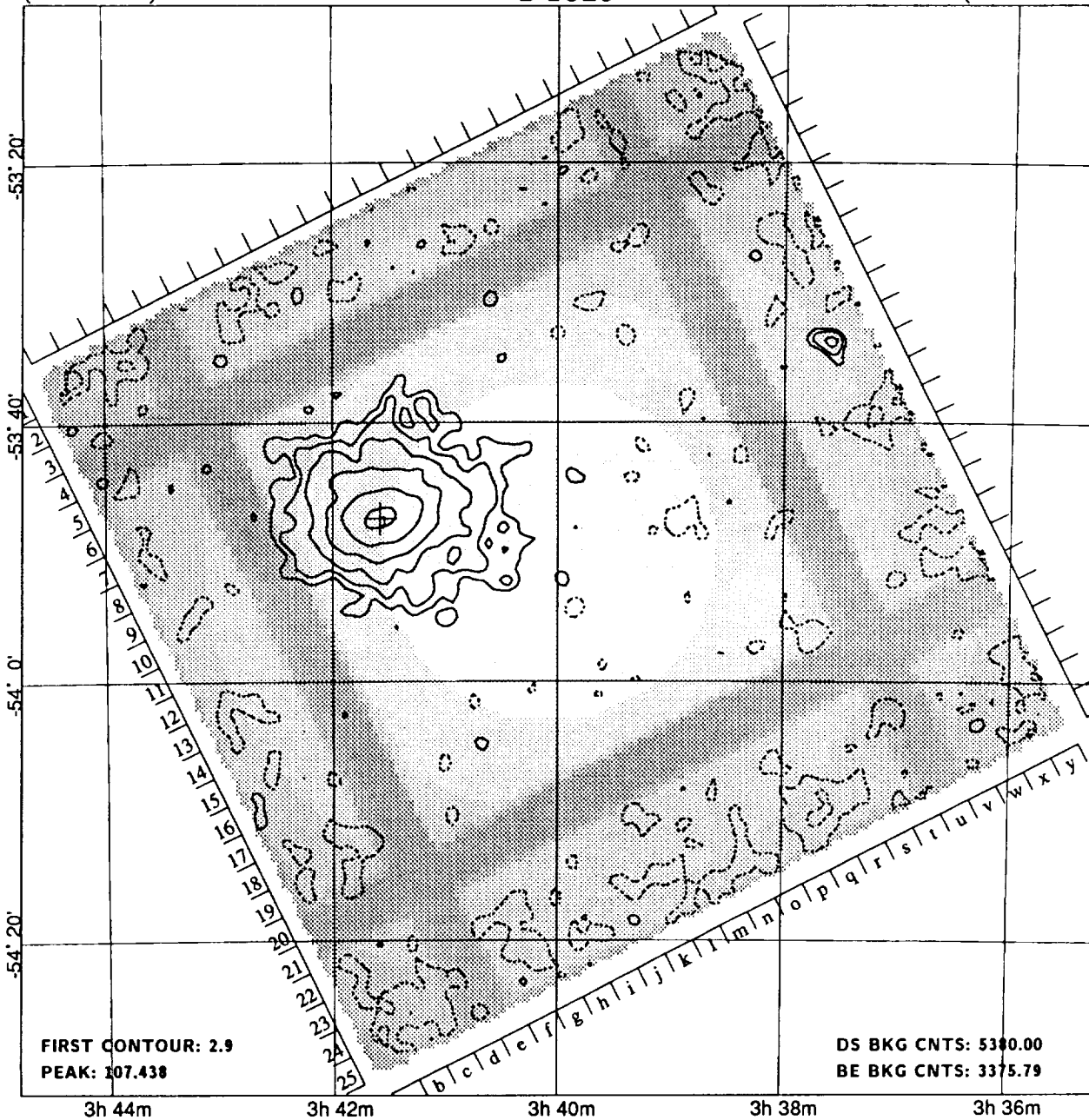
DATE: 1979/238 - 1979/238
 LIVETIME: 2984.4s
 ROLL ANGLE: -75.8°

NH: $4.4\text{E}+21$
 REF/ID: S
 FIELD FLAGS:

(3h 40m)

I 1829

(3h 40m)



X-RAY STUDY OF CLUSTERS OF GALAXIES: CA340-538

FIELD CENTER: $03^h 40^m 00.0^s$ $-53^\circ 49' 59''$ (B1950)
 $03^h 41^m 18.9^s$ $-53^\circ 40' 27''$ (J2000)
 $l: 265.25$ $b: -49.14$

DATE: 1979/166 - 1979/167
 LIVETIME: 4359.6s
 ROLL ANGLE: -26.6°

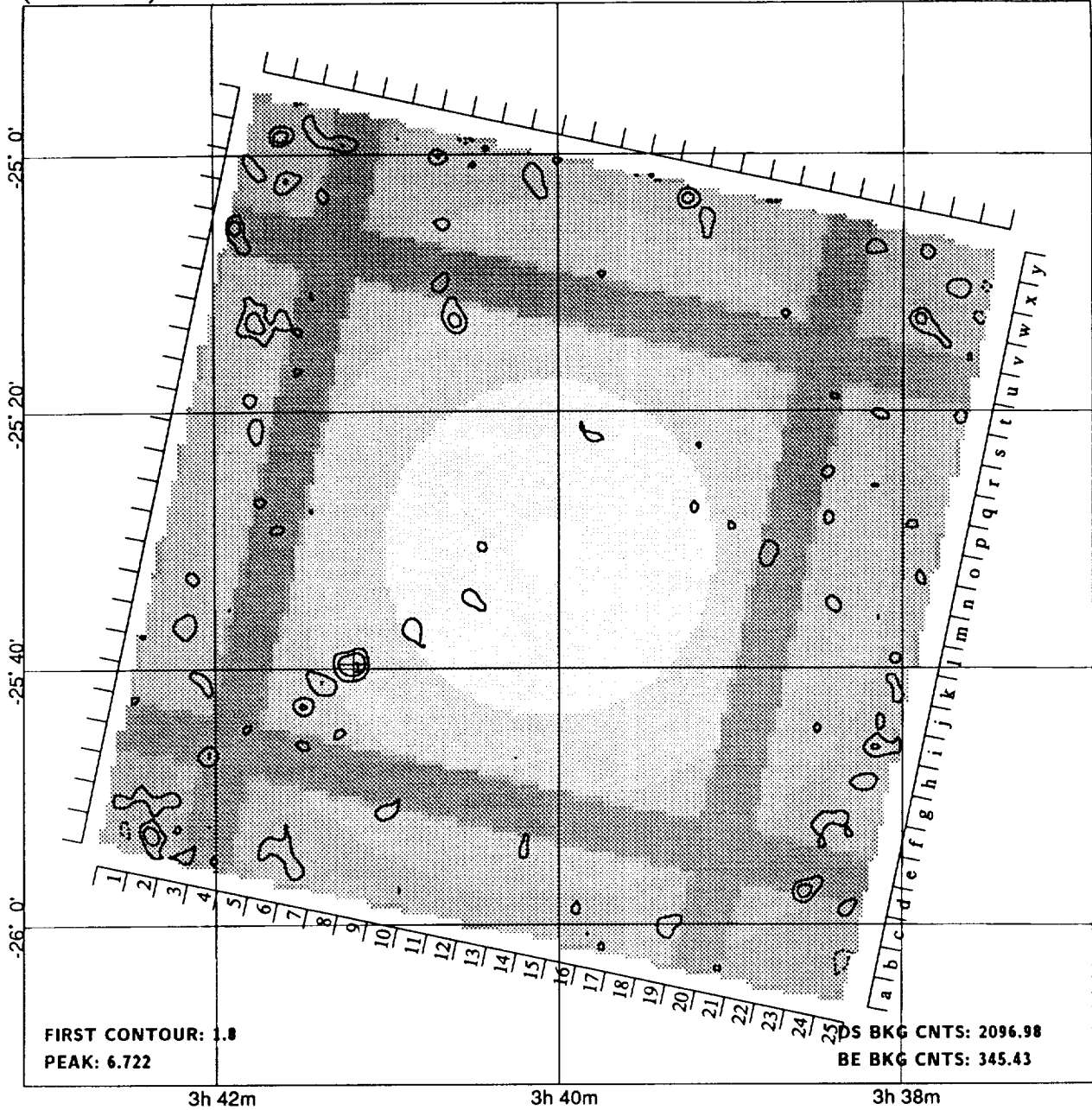
NH: $1.8E+20$
 REF/ID: CLG
 FIELD FLAGS: BD

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
845	1	03 41 34.7	-53 47 25	37	0.1798	0.0084	480.5	18.5	21.5	5.8	0	14.0	AH	CLG

(3h 40m)

I 4086

(3h 40m)



FIRST CONTOUR: 1.8
 PEAK: 6.722

DS BKG CNTS: 2096.98
 BE BKG CNTS: 345.43

3h 42m

3h 40m

3h 38m

H0336-25 POSITION

FIELD CENTER: $03^{\text{h}}40^{\text{m}}00.0^{\text{s}}$ $-25^{\circ}30'23''$ (B1950)
 $03^{\text{h}}42^{\text{m}}07.6^{\text{s}}$ $-25^{\circ}20'52''$ (J2000)
 $l: 220.19$ $b: -51.87$

DATE: 1980/229 - 1980/229
 LIVETIME: 1699.2s
 ROLL ANGLE: -78.0°

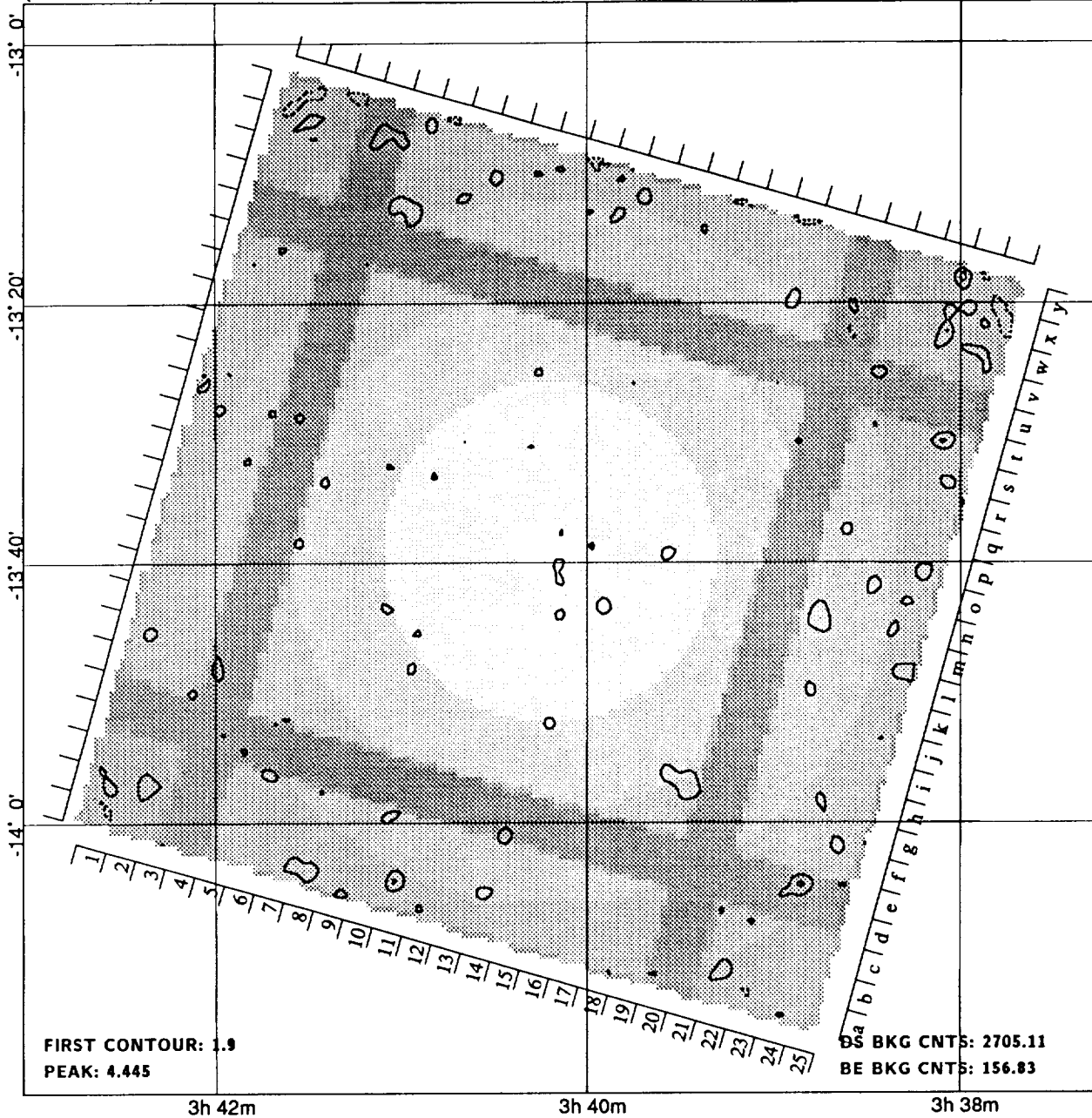
NH: $1.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
837	1	03 41 11.8	-25 39 39	53	0.0208	0.0053	19.2	4.8	3.9	0.8	0	19.0	H

(3h 40m)

I 9130

(3h 40m)



CAREFULLY SELECTED Sbc GALAXIES: NGC 1421

FIELD CENTER: $03^{\text{h}}40^{\text{m}}09.0^{\text{s}}$ $-13^{\circ}38'53''$ (B1950)
 $03^{\text{h}}42^{\text{m}}29.5^{\text{s}}$ $-13^{\circ}29'23''$ (J2000)
 $l: 202.81$ $b: -47.88$

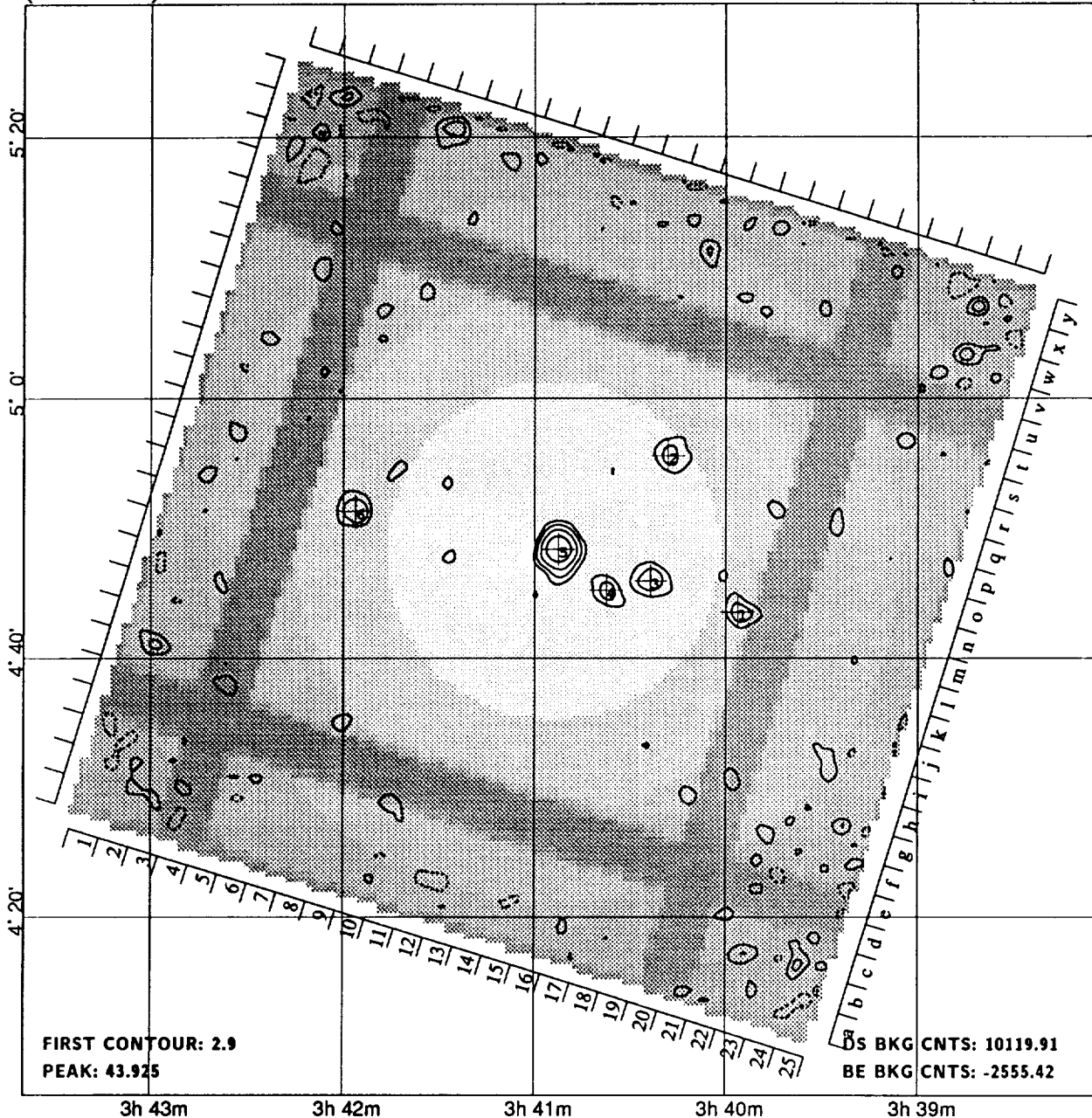
DATE: 1980/223 - 1980/223
 LIVETIME: 2192.0s
 ROLL ANGLE: -74.2°

NH: $4.1\text{E}+20$
 REF/ID:
 FIELD FLAGS:

(3h 40m)

I 5116

(3h 40m)



QSO 0341+048

FIELD CENTER: 03^h40^m51.0^s 04°48'19" (B1950)
 03^h43^m29.4^s 04°57'47" (J2000)
 l : 181.88 b : -37.51

DATE: 1980/214 - 1980/214
 LIVETIME: 8200.4s
 ROLL ANGLE: -72.9°

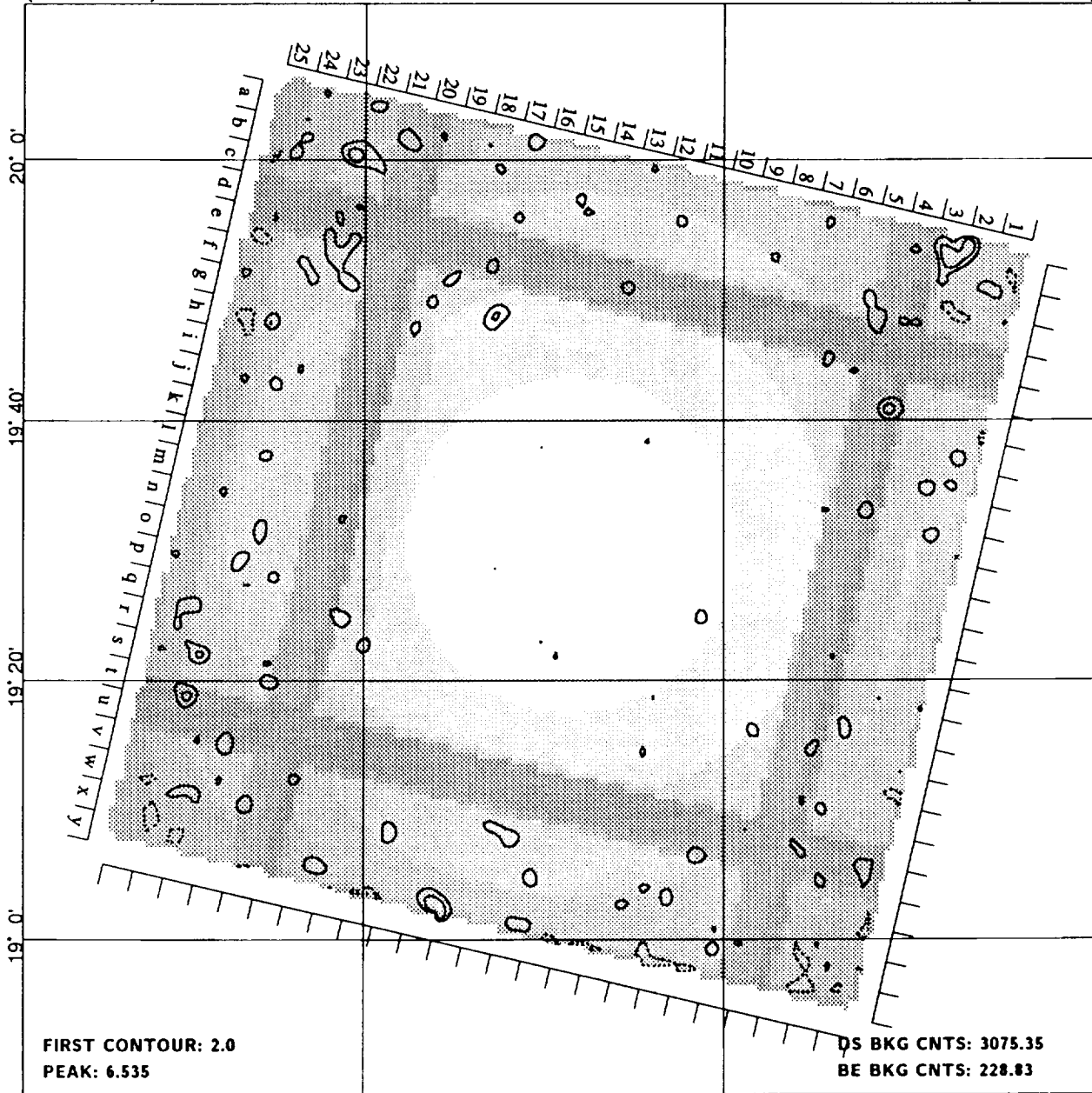
NH: 1.2E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
827	1	03 39 56.1	04 43 34	43	*0.0051	0.0013	24.8	14.2	4.0	0.8	601	14.5	H	
828	2	03 40 18.1	04 55 35	43	0.0054	0.0012	28.7	15.3	4.3	0.8	0	11.0		
829	3	03 40 23.6	04 46 00	42	0.0067	0.0013	37.9	15.1	5.2	0.9	0	7.3	H	
830	4	03 40 37.5	04 45 17	36	0.0052	0.0012	30.2	17.8	4.4	0.7	0	4.5		
833	5	03 40 52.5	04 48 26	31	0.0273	0.0022	167.3	16.7	12.3	1.1	0	0.7	H	
847	6	03 41 56.3	04 51 17	51	0.0068	0.0014	32.0	15.0	4.7	0.8	0	16.7	H	

(3h 40m)

I 9258

(3h 40m)



FIRST CONTOUR: 2.0
PEAK: 6.535

DS BKG CNTS: 3075.35
BE BKG CNTS: 228.83

3h 42m

3h 40m

PLEIADES: 14 TAU

FIELD CENTER: 03^h40^m55.0^s 19°29'59" (B1950)
03^h43^m48.3^s 19°39'26" (J2000)
ℓ: 169.32 b: -27.30

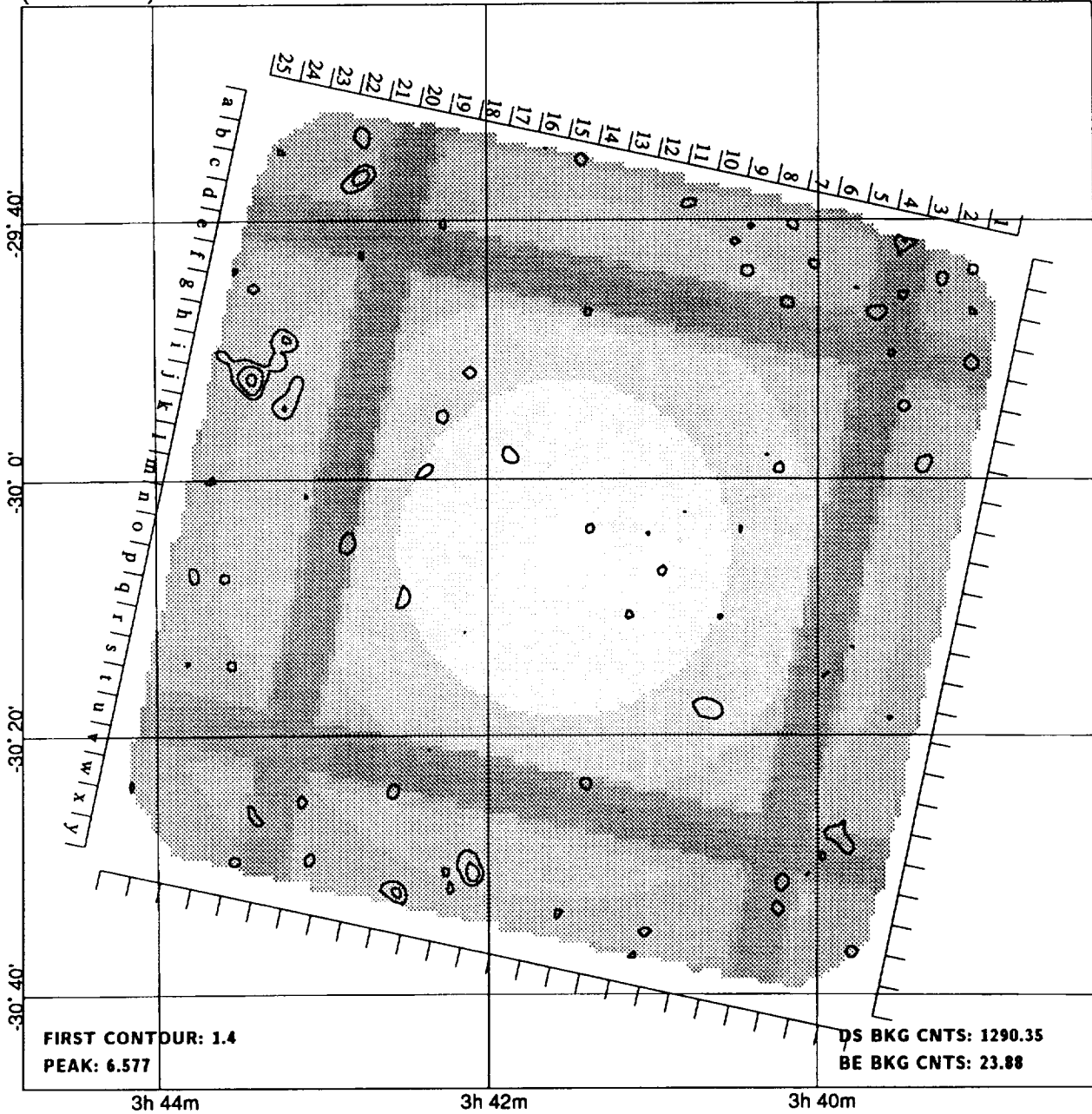
DATE: 1981/ 32 - 1981/ 32
LIVETIME: 2492.0s
ROLL ANGLE: 103.0°

NH: 1.3E+21
REF/ID:
FIELD FLAGS:

(3h 41m)

I 3450

(3h 41m)



419, SOUTHERN CLUSTER AT HIGH REDSHIFT

FIELD CENTER: $03^h 41^m 34.0^s$ $-30^\circ 05' 14''$ (B1950)
 $03^h 43^m 35.9^s$ $-29^\circ 55' 49''$ (J2000)
 $l: 227.64$ $b: -52.30$

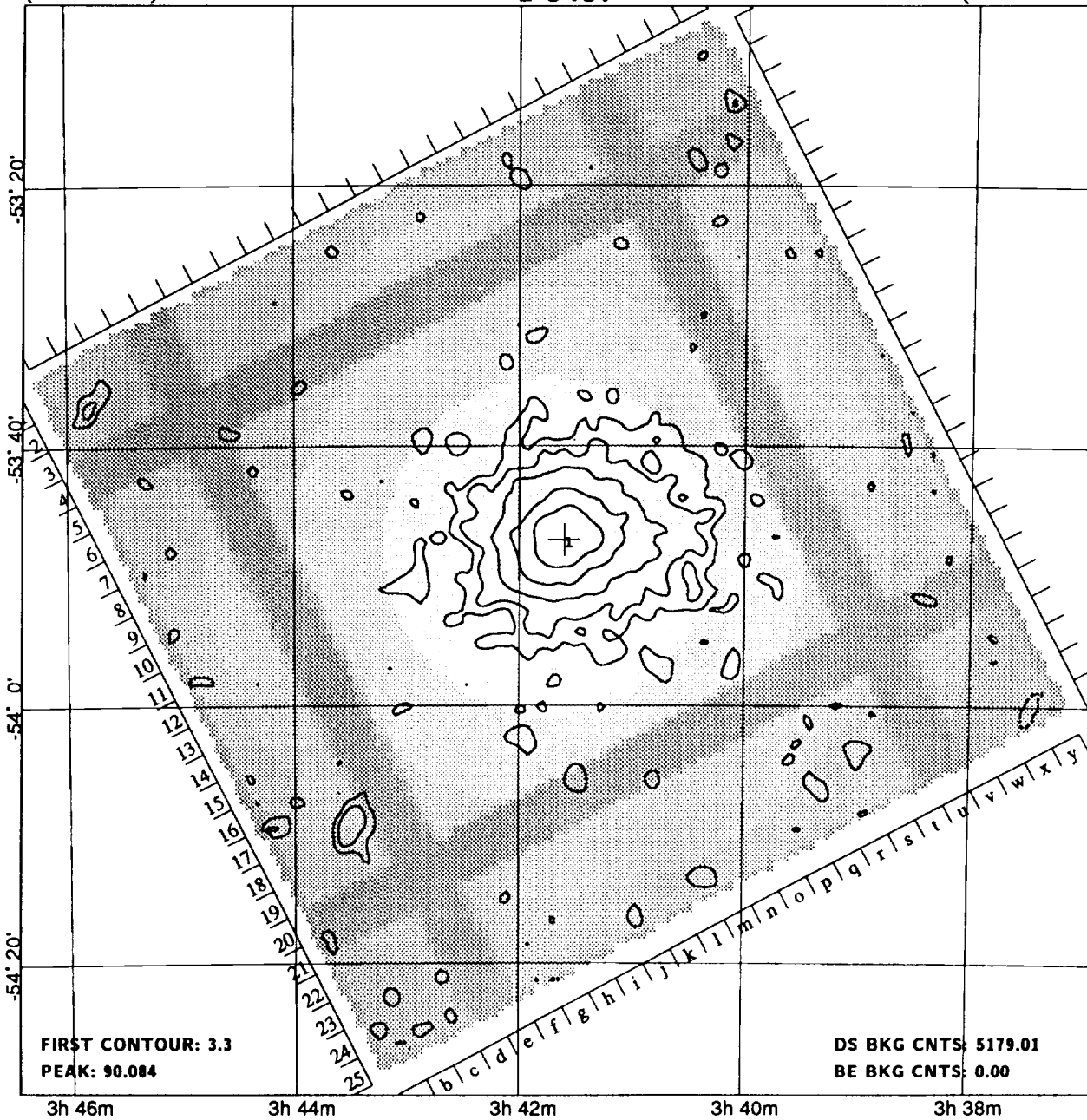
DATE: 1979/ 27 - 1979/ 28
 LIVETIME: 1045.6s
 ROLL ANGLE: 102.2°

NH: $8.9E+19$
 REF/ID:
 FIELD FLAGS:

(3h 41m)

I 3437

(3h 41m)



HOROLOGIIUM SUPERCLUSTER

FIELD CENTER: $03^h 41^m 40.1^s$ $-53^\circ 48' 10''$ (B1950)
 $03^h 42^m 58.7^s$ $-53^\circ 38' 43''$ (J2000)
 $l: 265.06$ $b: -48.92$

DATE: 1979/168 - 1979/168
 LIVETIME: 4196.7s
 ROLL ANGLE: -27.6°

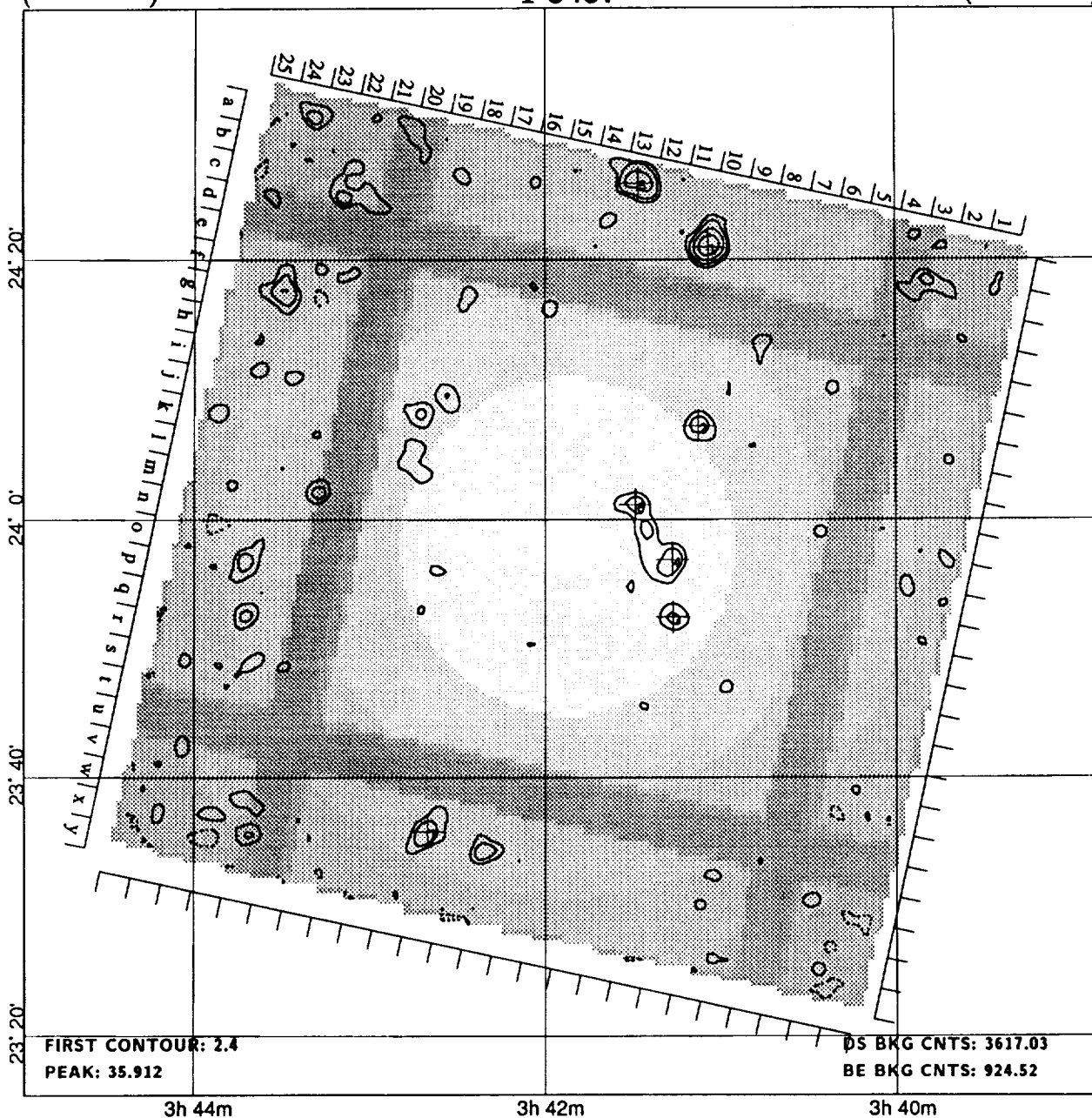
NH: $1.8E+20$
 REF/ID: CLG
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
845	1L	03 41 35.9	-53 47 20	31	0.0458	0.0094	142.5	377.5	4.8	7.3	0	1.5	A	CLG

(3h 41m)

I 5457

(3h 41m)



17 TAU

FIELD CENTER: $03^h 41^m 54.1^s$ $23^\circ 57' 27''$ (B1950)
 $03^h 44^m 52.5^s$ $24^\circ 06' 50''$ (J2000)
 $l: 166.18$ $b: -23.85$

DATE: 1981/ 38 - 1981/ 38
 LIVETIME: 2931.0s
 ROLL ANGLE: 102.2°

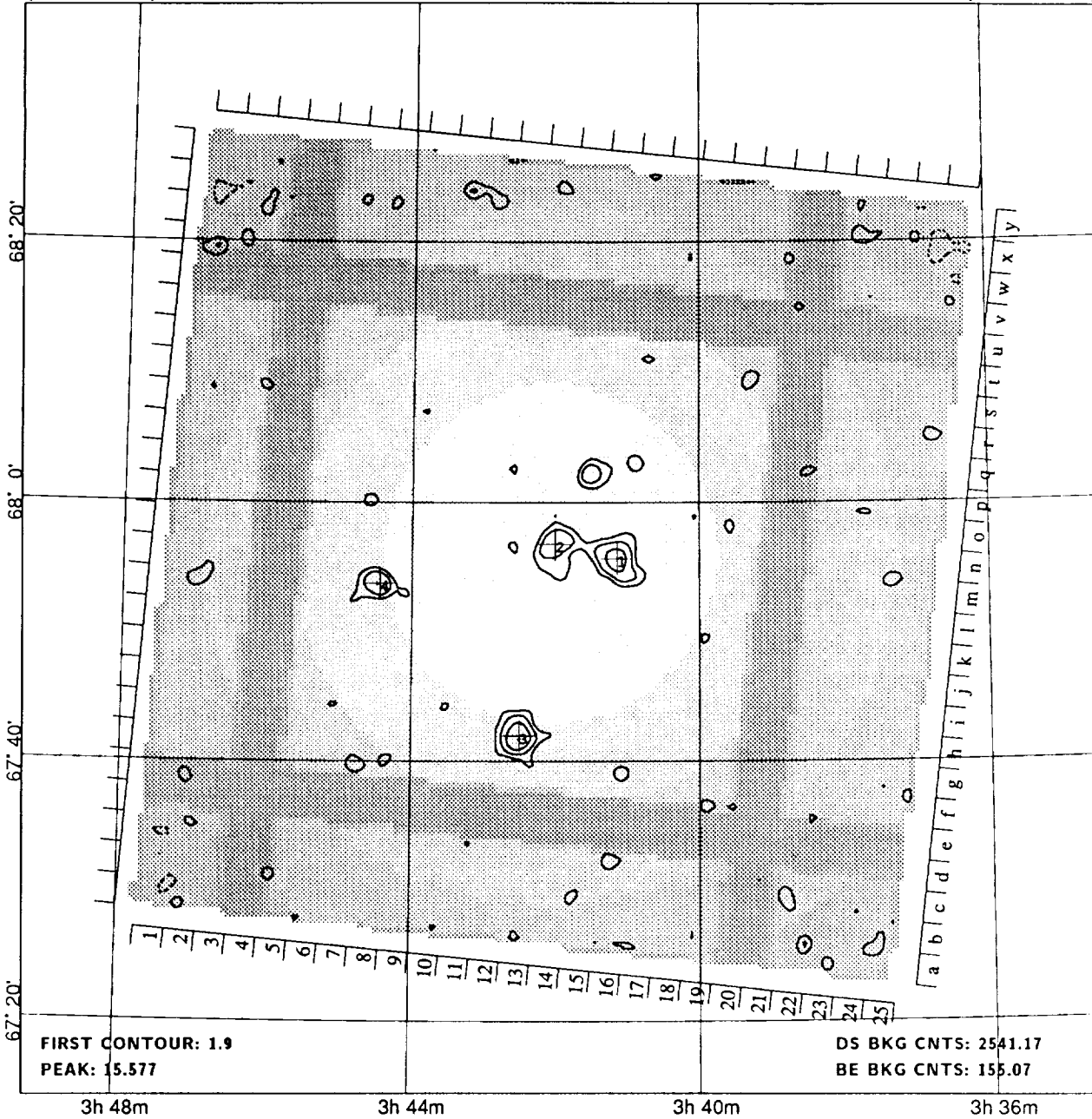
NH: 1.1E+21
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT ± RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
834	1	03 41 03.9	24 20 57	50	0.0500 0.0067	61.8	7.2	7.4	0.9	0	26.2	AH
835	2	03 41 07.5	24 07 16	43	0.0105 0.0030	18.9	9.1	3.6	0.7	0	14.3	AH
839	3	03 41 16.2	23 52 29	45	0.0099 0.0028	19.4	10.6	3.5	0.6	0	10.0	H
840	4	03 41 16.4	23 56 56	42	0.0137 0.0031	27.6	11.4	4.4	2.1	0	8.7	A S
843	5	03 41 28.0	24 25 56	51	0.0316 0.0058	34.3	5.7	5.4	1.1	500	29.1	AH S
844	6	03 41 29.1	24 01 08	43	0.0099 0.0027	20.4	11.6	3.6	2.8	0	6.8	AH
855	7	03 42 40.5	23 35 46	55	0.0147 0.0040	18.7	7.3	3.7	0.9	0	24.0	AH S

(3h 41m)

I 7045

(3h 41m)



I 342, LATE GALAXY SURVEY

FIELD CENTER: 03^h41^m58.0^s 67°56'23" (B1950)
 03^h46^m49.1^s 68°05'42" (J2000)
l: 138.17 *b*: 10.58

DATE: 1980/228 - 1980/229
 LIVETIME: 2059.2s
 ROLL ANGLE: -84.3°

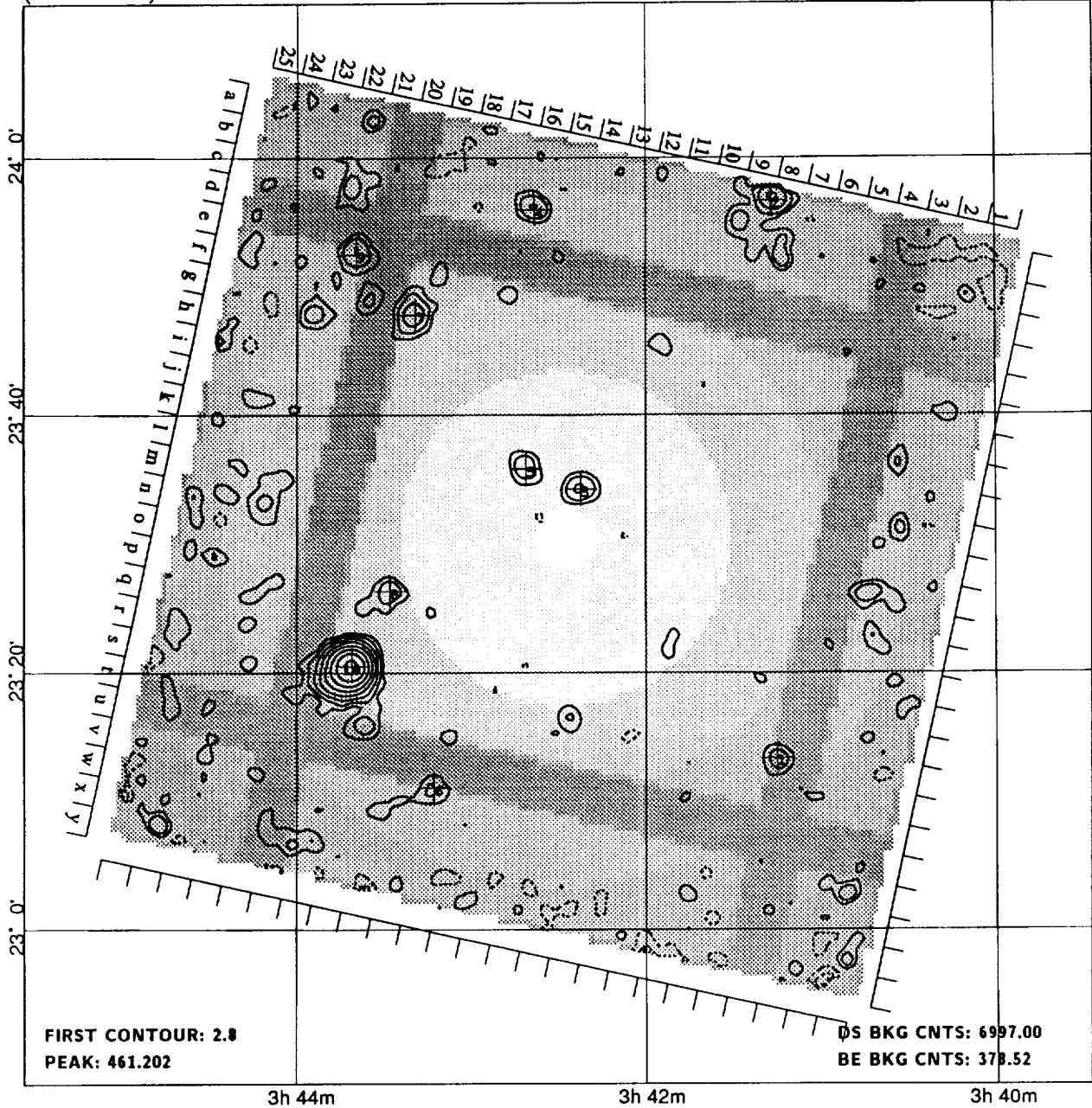
NH: 3.0E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
836	1	03 41 08.5	67 55 38	35	0.0298 0.0049	43.7	7.3	6.1	1.8	0	4.7	H	
848	2	03 42 00.4	67 56 46	36	0.0201 0.0040	30.9	6.1	5.1	2.9	0	0.6	H	G
851	3	03 42 29.8	67 41 59	41	0.0393 0.0059	49.0	5.0	6.7	1.0	0	14.6	H	
877	4	03 44 26.9	67 53 44	42	0.0171 0.0041	21.5	5.5	4.1	0.9	0	14.2	H	

(3h 42m)

I 9918

(3h 42m)



PLEIADES FOLLOW-UP

FIELD CENTER: 03^h42^m30.0^s 23°29'59" (B1950)
 03^h45^m27.9^s 23°39'20" (J2000)
 l : 166.63 b : -24.10

DATE: 1981/ 39 - 1981/ 39
 LIVETIME: 5669.9s
 ROLL ANGLE: 102.3°

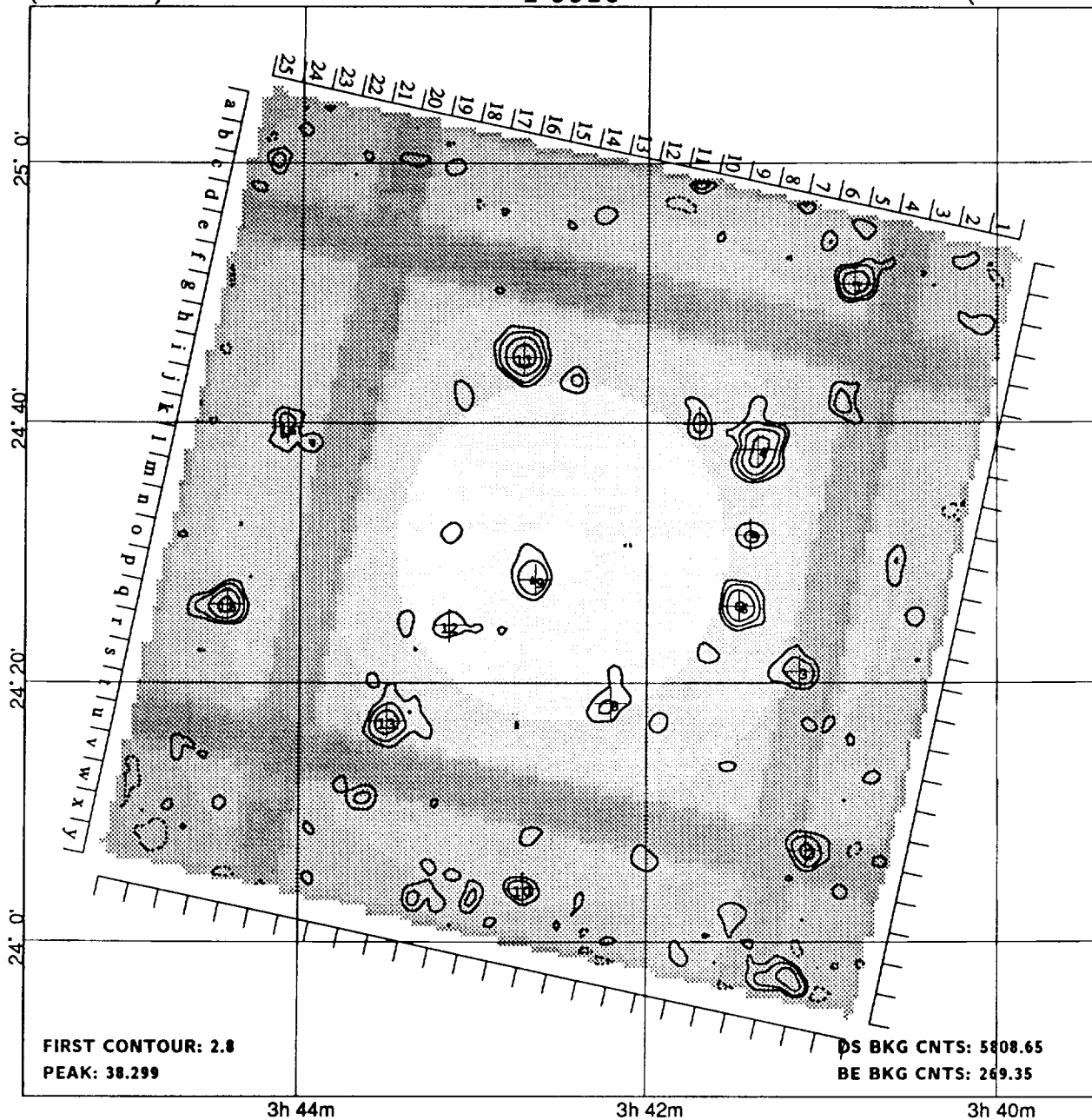
NH: 1.1E+21
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT ± RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC	ID
838	1	03 41 15.1	23 13 20	55	*0.0077 0.0021	19.7	9.3	3.7	0.7	1008	23.8		
840	2	03 41 16.7	23 56 40	51	*0.0211 0.0037	37.5	5.5	5.7	1.7	603	31.6	AH	S
850	3	03 42 22.4	23 34 17	35	0.0116 0.0020	47.4	18.6	5.8	0.8	0	4.7	AH	S
853	4	03 42 38.3	23 55 57	52	0.0109 0.0026	26.0	13.0	4.2	0.7	0	26.1	A	S
855	5	03 42 41.2	23 35 51	41	0.0099 0.0019	39.6	18.4	5.2	0.7	0	6.5	A	S
859	6	03 43 13.0	23 10 57	59	*0.0070 0.0019	18.8	8.2	3.6	1.1	805	21.5	AH	S
862	7	03 43 19.4	23 47 49	50	*0.0158 0.0027	44.2	13.8	5.8	1.0	603	21.0	AH	S
863	8	03 43 28.1	23 26 24	42	0.0085 0.0019	29.0	14.0	4.4	1.0	0	13.9	H	S
866	9	03 43 39.7	23 52 30	55	*0.0110 0.0026	24.3	7.7	4.3	0.9	1207	28.0	H	†
868	10	03 43 41.0	23 20 30	47	0.385 0.012	1129.4	13.6	33.4	1.1	400	18.9	H	S

(3h 42m)

I 9916

(3h 42m)



PLEIADES FOLLOW-UP

FIELD CENTER: $03^h 42^m 30.0^s$ $24^\circ 29' 59''$ (B1950)
 $03^h 45^m 29.1^s$ $24^\circ 39' 20''$ (J2000)
 $l: 165.90$ $b: -23.35$

DATE: 1981/ 38 - 1981/ 38
 LIVETIME: 4706.9s
 ROLL ANGLE: 102.1°

NH: $1.0E+21$
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
831	1	03 40 48.8	24 50 43	51	0.0255	0.0044	40.5	8.5	5.8	0.9	500	30.8	H	S
835	2	03 41 05.3	24 07 05	54	*0.0138	0.0033	23.0	7.0	4.2	0.9	1409	29.9	A	
834	3	03 41 07.5	24 20 53	53	*0.0118	0.0025	27.9	7.1	4.7	1.0	1109	20.8	AH	
841	4	03 41 21.8	24 37 57	48	0.0382	0.0041	100.2	12.8	9.4	1.3	0	17.5	AH	S
842	5	03 41 24.4	24 31 24	55	0.0082	0.0021	23.0	12.0	3.9	0.6	0	15.1		
843	6	03 41 28.2	24 25 57	38	0.0308	0.0035	87.1	11.9	8.8	1.0	0	14.6	AH	S
846	7	03 41 42.0	24 39 55	44	0.0074	0.0020	20.8	12.2	3.6	0.7	0	14.7	H	S
849	8	03 42 12.5	24 18 26	46	0.0089	0.0022	26.7	15.3	4.1	1.0	0	12.4	H	S
854	9	03 42 38.6	24 27 58	35	0.0141	0.0023	48.8	15.2	6.1	1.0	0	3.0	AH	S
857	10	03 42 42.6	24 04 06	55	0.0107	0.0029	20.9	10.1	3.7	0.7	0	25.9	A	S

Source Table cont.

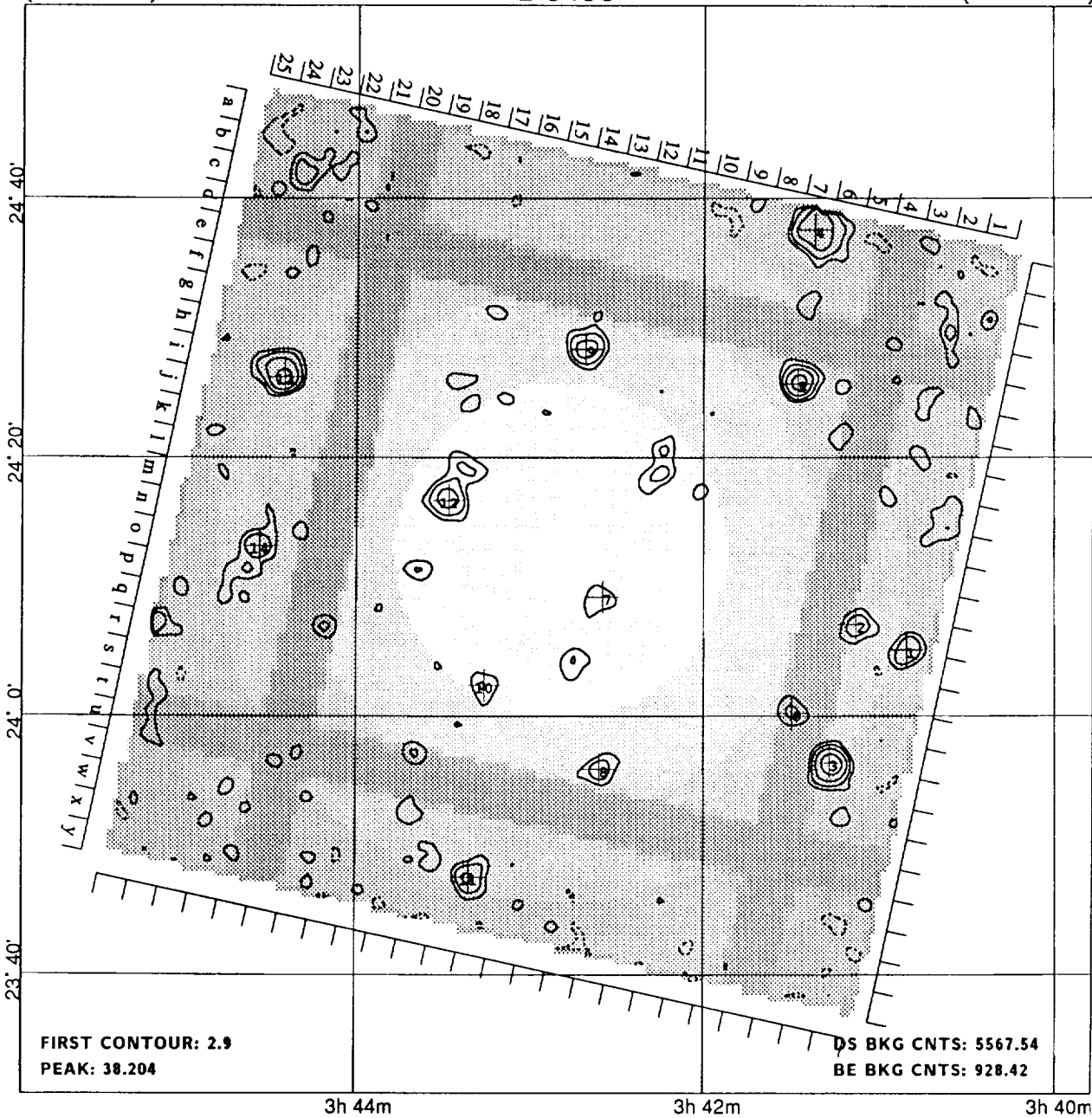
I 9916 cont.

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
856	11	03 42 42.9	24 45 05	48	0.0416	0.0041	115.0	13.0	10.2	1.1	0	15.4	H	S
858	12	03 43 08.3	24 24 27	45	0.0068	0.0019	21.2	13.8	3.6	0.7	0	10.1	H	
864	13	03 43 29.8	24 17 03	50	0.0215	0.0032	53.5	11.5	6.6	1.2	200	18.7	AH	S
870	14	03 44 04.5	24 39 42	56	0.0105	0.0027	22.3	9.7	3.9	1.1	0	23.8	H	S
876	15	03 44 24.8	24 26 05	50	0.0311	0.0043	59.5	9.5	7.2	1.0	0	26.5	AH	S

(3h 42m)

I 5458

(3h 42m)



20 TAU

FIELD CENTER: 03^h42^m50.8^s 24°12'46" (B1950)
 03^h45^m49.6^s 24°22'05" (J2000)
 l : 166.17 b : -23.51

DATE: 1981/ 39 - 1981/ 39
 LIVETIME: 4511.5s
 ROLL ANGLE: 102.2°

NH: 1.0E+21
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
832	1	03 40 50.4	24 05 04	55	0.0151	0.0035	26.0	10.0	4.3	0.9	0	27.9	
835	2	03 41 07.7	24 07 02	55	*0.0107	0.0028	21.7	10.3	3.8	0.8	805	24.0	AH
840	3	03 41 16.8	23 56 21	48	*0.0404	0.0050	73.6	9.4	8.1	1.0	803	27.0	AH S
841	4	03 41 21.8	24 37 30	51	0.0288	0.0049	41.2	8.8	5.8	1.4	500	32.2	AH S
843	5	03 41 27.6	24 25 38	50	0.0294	0.0041	62.2	11.8	7.2	0.9	200	22.8	AH S
844	6	03 41 29.7	24 00 12	57	*0.0080	0.0023	17.4	6.6	3.5	0.7	1009	22.3	A
852	7	03 42 34.7	24 09 11	46	0.0073	0.0020	23.7	17.3	3.7	0.6	0	5.1	H
853	8	03 42 35.8	23 55 53	52	0.0092	0.0024	23.1	12.9	3.8	0.8	500	17.3	AH S
854	9	03 42 40.7	24 28 17	50	0.0204	0.0031	53.2	13.8	6.5	0.9	0	15.8	AH S
861	10	03 43 15.7	24 02 24	47	0.0078	0.0021	22.5	13.5	3.7	0.8	0	12.5	A S

Source Table cont.

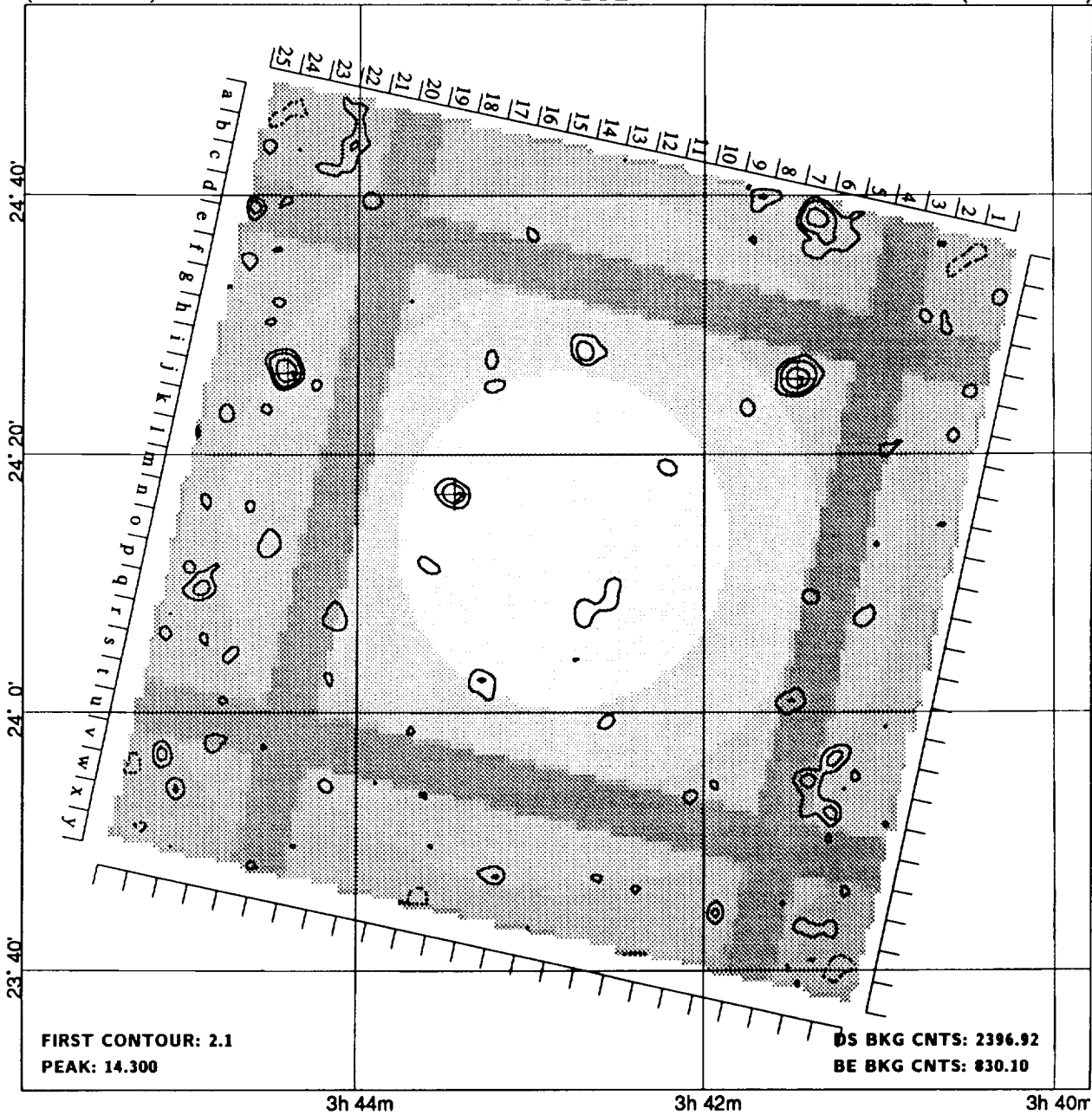
I 5458 cont.

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
862	11	03 43 20.8	23 47 31	52	0.0128	0.0032	23.7	11.3	4.0	0.9	0	26.2	AH	S
864	12	03 43 28.1	24 16 38	41	0.0191	0.0028	57.6	14.4	6.8	1.3	0	9.4	AH	S
876	13	03 44 24.8	24 26 08	50	0.0334	0.0045	63.0	10.0	7.4	1.1	0	25.3	AH	S
878	14	03 44 33.4	24 13 08	52	0.0126	0.0030	25.7	10.3	4.3	1.9	0	23.9	AH	S

(3h 42m)

I 10132

(3h 42m)



20 TAU,VARIABILITY IN EARLY A STARS

FIELD CENTER: 03^h 42^m 51.0^s 24° 12' 46" (B1950)
 03^h 45^m 49.8^s 24° 22' 05" (J2000)
 l : 166.17 b : -23.51

DATE: 1981/ 39 - 1981/ 39
 LIVETIME: 1942.3s
 ROLL ANGLE: 102.2°

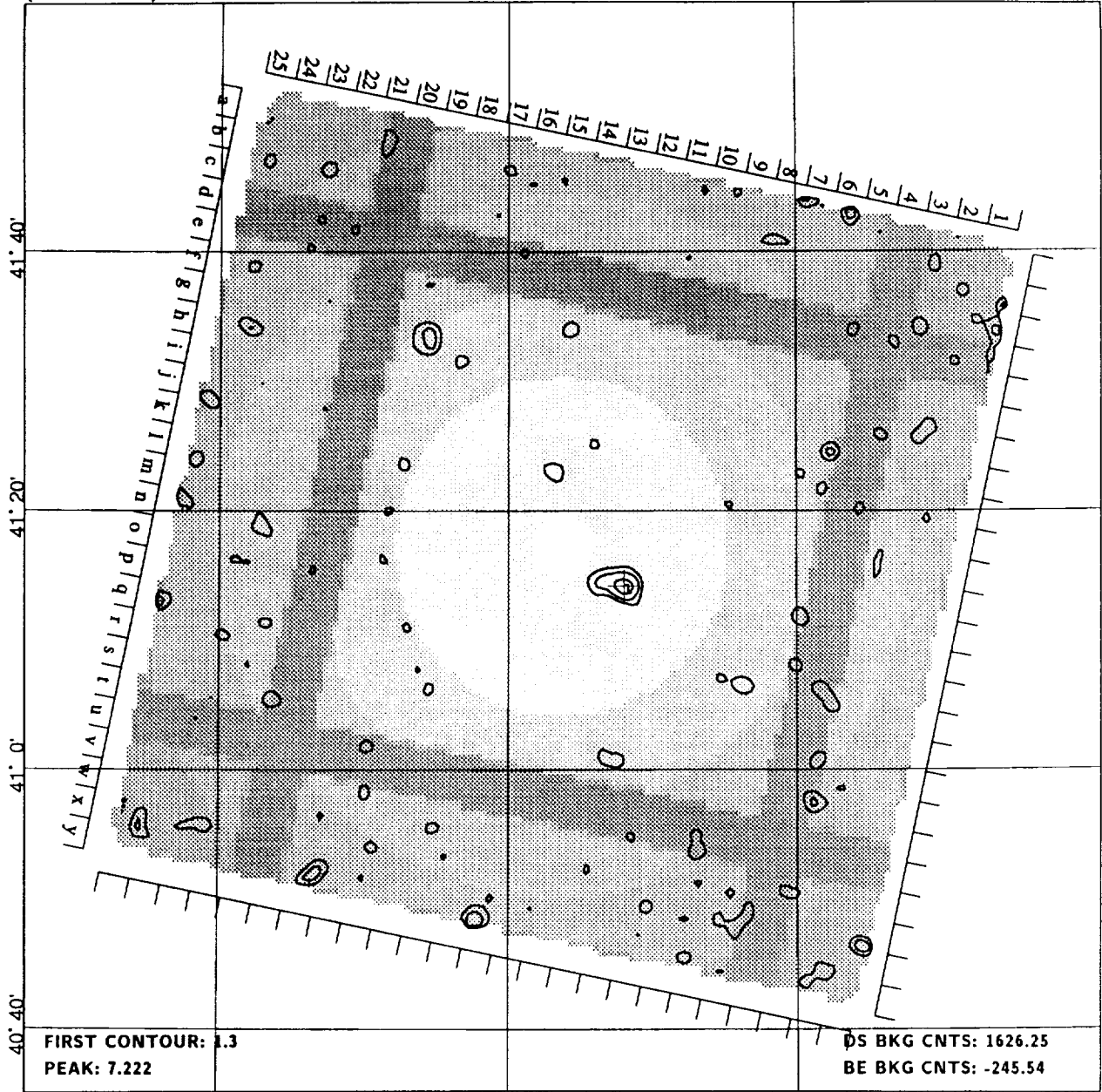
NH: 1.0E+21
 REF/ID: S
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
843	1L	03 41 27.9	24 25 48	51	0.0360 0.0076	33.2	4.8	4.6	1.0	0	23.1	A S	S
864	2L	03 43 26.4	24 16 58	42	0.0199 0.0050	26.1	5.9	3.8	0.7	0	9.2	A S	S
876	3L	03 44 24.4	24 26 15	51	0.0375 0.0078	30.8	2.2	4.6	0.8	0	25.2	A S	S

(3h 43m)

I 5983

(3h 43m)



FIRST CONTOUR: 1.3
PEAK: 7.222

DS BKG CNTS: 1626.25
BE BKG CNTS: -245.54

3h 46m

3h 44m

3h 42m

Chromospherically Inactive Stars: 9130 A/B (K1,K2)

FIELD CENTER: 03^h43^m37.0^s 41°17'11'' (B1950)
03^h46^m59.7^s 41°26'27'' (J2000)
ℓ: 154.82 b: -10.31

DATE: 1980/ 48 - 1980/ 48
LIVETIME: 1317.8s
ROLL ANGLE: 101.8°

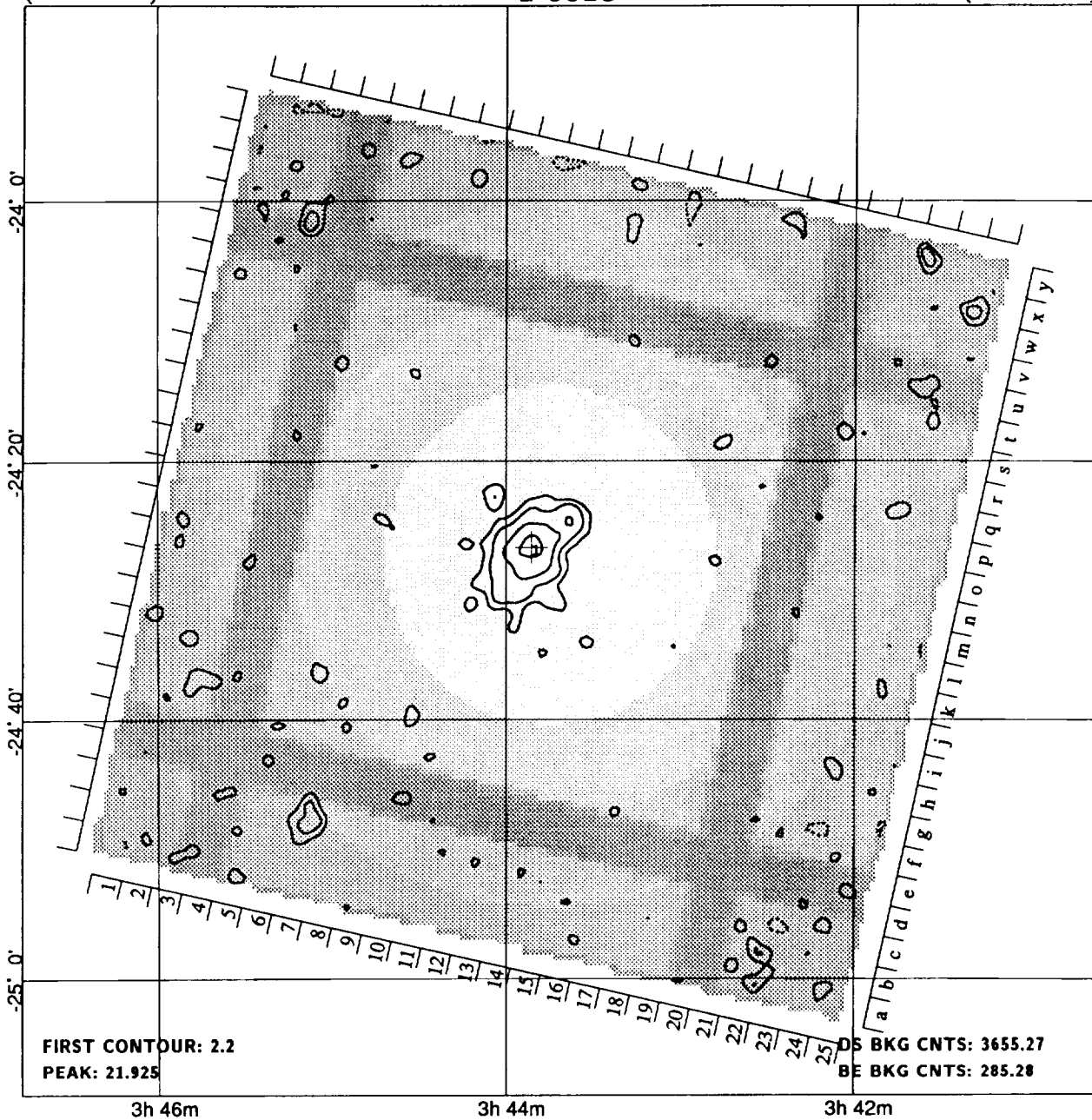
NH: 2.3E+21
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± ''	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	FLG
860	1	03 43 11.9	41 14 17	42	0.0273	0.0058	25.5	3.5	4.7	1.0	0	5.4	H	

(3h 43m)

I 6018

(3h 43m)



A458,RICH CLUSTERS WITH DOMINANT GALAXIES

FIELD CENTER: 03^h43^m42.0^s -24°26'59" (B1950)
 03^h45^m50.6^s -24°17'42" (J2000)
 l : 218.86 b : -50.81

DATE: 1980/228 - 1980/229
 LIVETIME: 2962.0s
 ROLL ANGLE: -77.3°

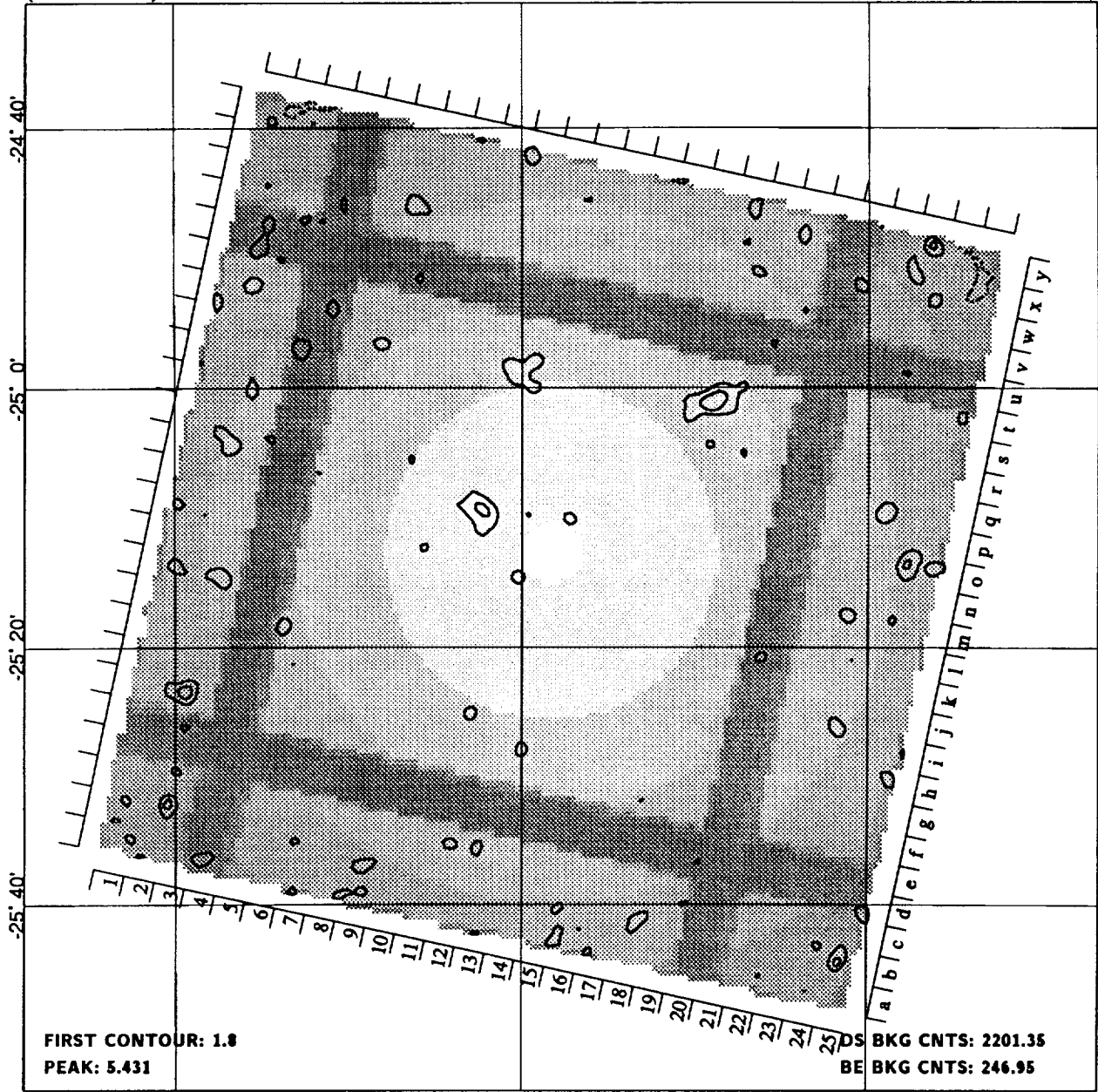
NH: 1.6E+20
 REF/ID:
 FIELD FLAGS: D

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
869	1	03 43 51.2	-24 26 40	31	0.0492	0.0049	107.8	9.2	10.0	3.1	0	2.0	H

(3h 43m)

I 4085

(3h 43m)



H0336-25 POSITION

FIELD CENTER: 03^h43^m46.0^s -25° 12' 23" (B1950)
03^h45^m53.7^s -25° 03' 06" (J2000)
ℓ: 220.03 b: -50.97

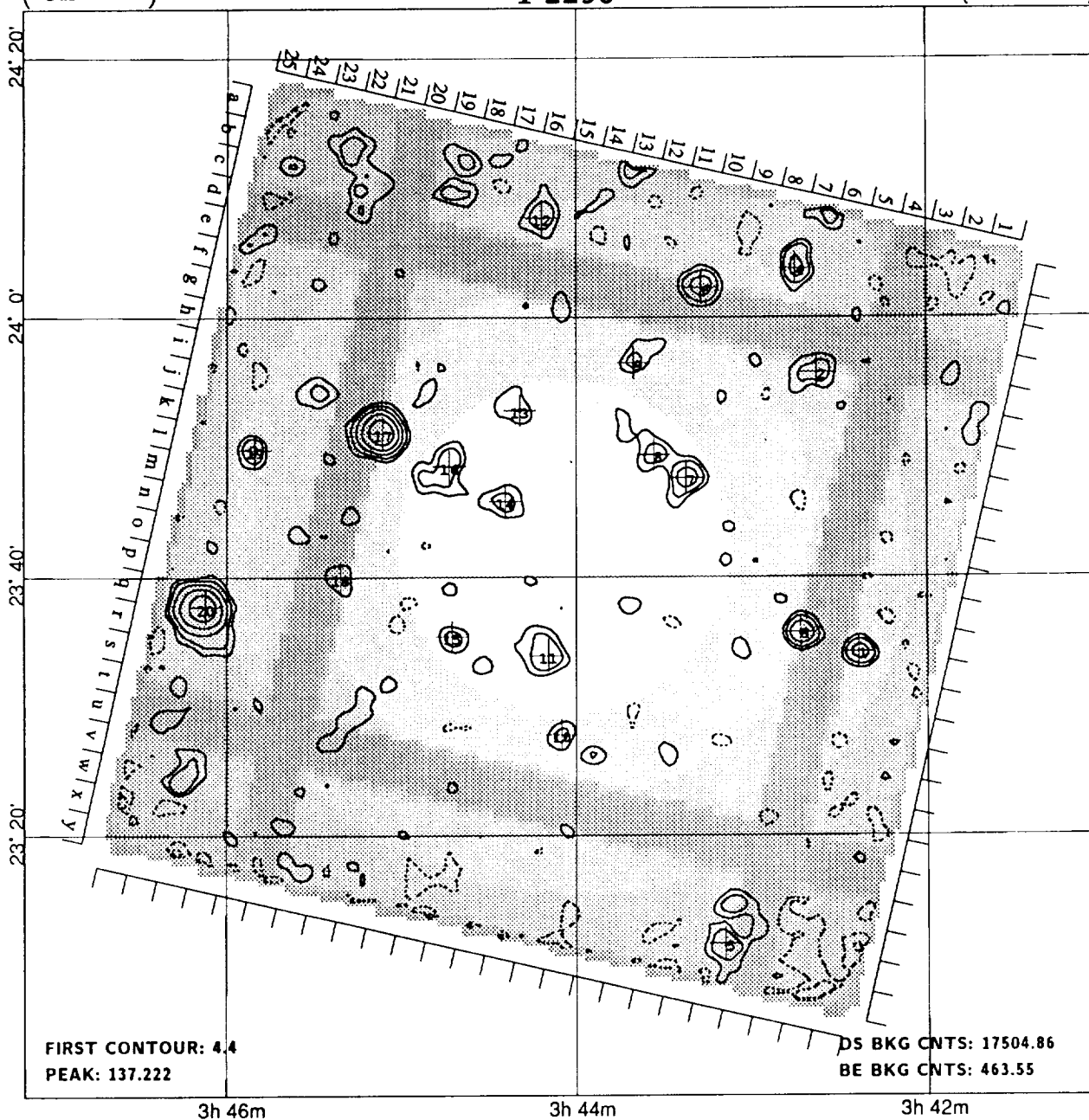
DATE: 1980/229 - 1980/229
LIVETIME: 1783.8s
ROLL ANGLE: -77.8°

NH: 1.4E+20
REF/ID: !
FIELD FLAGS:

(3h 44m)

I 2296

(3h 44m)



STELLAR SURVEY-YOUNG CLUSTER STARS: PLEIADES

FIELD CENTER: $03^h 44^m 06.0^s$ $23^\circ 41' 49''$ (B1950)
 $03^h 47^m 04.2^s$ $23^\circ 51' 03''$ (J2000)
 $l: 166.78$ $b: -23.71$

DATE: 1980/ 50 - 1980/ 51
 LIVETIME: 14184.7s
 ROLL ANGLE: 102.9°

NH: $1.1E+21$
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
850	1	03 42 23.4	23 34 11	50	*0.0075	0.0014	46.7	30.3	5.3	0.7	602	24.8	A	S
853	2	03 42 37.5	23 55 46	55	*0.0058	0.0012	37.2	24.8	4.7	1.0	703	24.7	AH	S
855	3	03 42 43.2	23 35 45	48	*0.0109	0.0014	80.0	27.0	7.7	0.8	804	19.7	AH	S
857	4	03 42 44.8	24 03 46	51	0.0087	0.0016	47.0	29.0	5.4	1.0	0	28.4	AH	S
859	5	03 43 08.9	23 11 38	60	*0.0065	0.0017	27.7	22.3	3.9	2.0	703	32.2	AH	S
861	6	03 43 17.0	24 02 16	50	*0.0101	0.0014	66.5	24.5	7.0	0.9	906	23.4	AH	S
862	7	03 43 22.2	23 47 35	38	0.0099	0.0013	92.4	44.6	7.9	1.6	0	11.3	AH	S
865	8	03 43 33.3	23 49 21	41	0.0053	0.0010	50.0	46.0	5.1	2.8	0	10.4		†
867	9	03 43 40.2	23 56 30	51	0.00352	0.00096	29.3	34.7	3.7	0.9	0	15.9	H	S
871	10	03 44 05.0	23 27 48	43	0.0041	0.0010	35.4	38.6	4.1	0.6	0	14.0		S

Source Table cont.

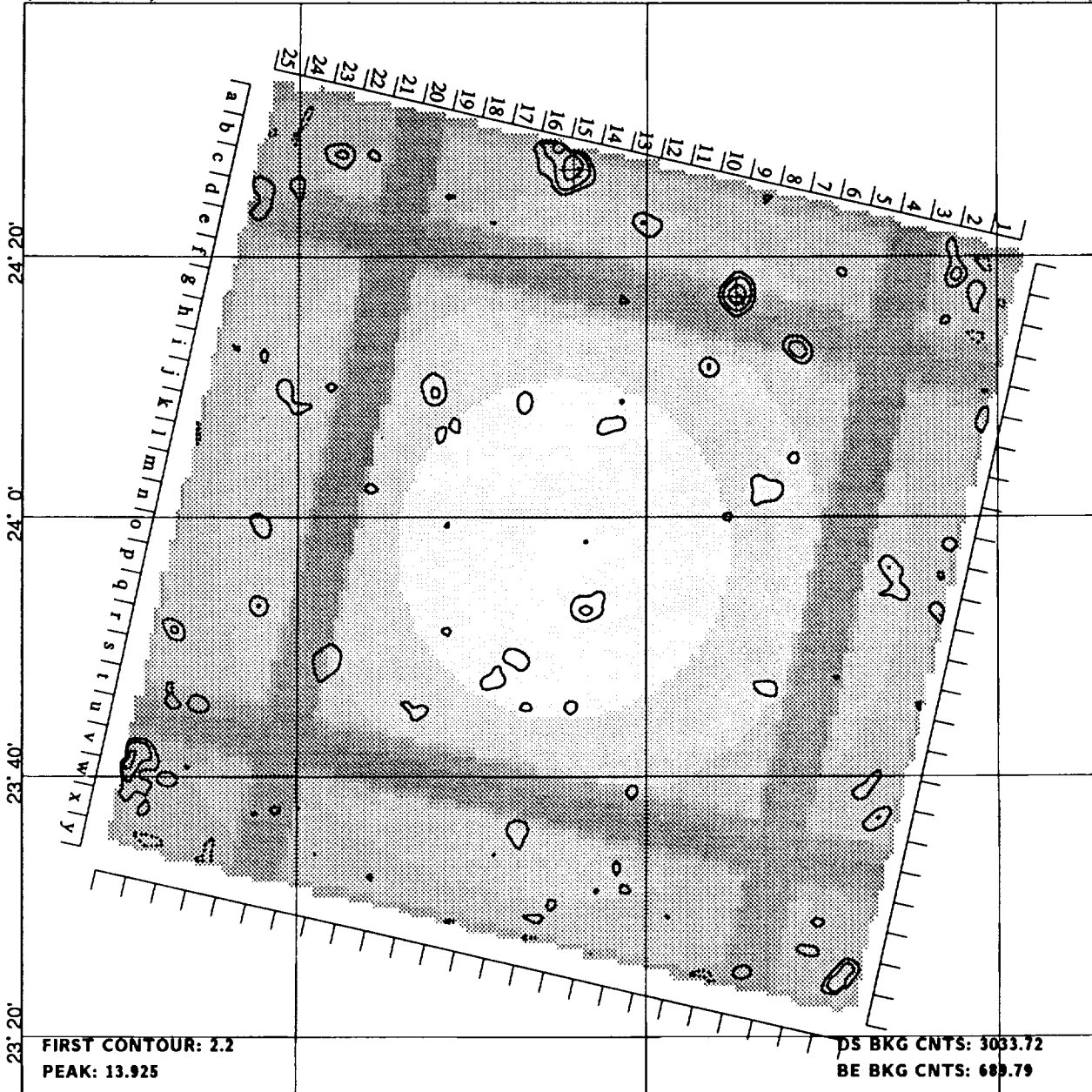
I 2296 cont.

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
872	11	03 44 09.6	23 33 54	41	0.0076	0.0011	73.7	42.3	6.8	1.2	0	7.6	H	S
873	12	03 44 11.8	24 07 40	54	0.0061	0.0014	36.5	31.5	4.4	0.9	0	25.8	H	
874	13	03 44 19.3	23 52 50	43	0.00336	0.00092	31.0	41.0	3.7	0.8	0	11.5	H	S
875	14	03 44 24.4	23 45 50	41	0.00449	0.00094	45.1	43.9	4.8	0.9	0	5.9	H	S
879	15	03 44 42.7	23 35 25	42	0.00417	0.00095	38.5	39.5	4.4	0.6	0	10.6		S
880	16	03 44 43.6	23 48 31	41	0.0061	0.0010	57.0	36.0	5.9	1.4	0	10.8	H	S
881	17	03 45 06.5	23 51 04	47	*0.0494	0.0026	393.2	27.8	19.2	1.1	805	16.8	H	S
882	18	03 45 21.0	23 39 57	61	*0.00394	0.00096	30.5	24.5	4.1	0.6	1008	17.3	H	
883	19	03 45 50.5	23 49 45	51	0.0058	0.0014	34.7	32.3	4.2	0.7	0	25.2		S
884	20	03 46 07.2	23 37 43	47	0.0496	0.0032	261.7	29.3	15.3	1.3	0	28.2	AH	S

(3h 44m)

I 6003

(3h 44m)



FIELD CENTER: 03^h44^m30.5^s 23°57'29" (B1950)
 03^h47^m29.1^s 24°06'43" (J2000)
 $l: 166.66$ $b: -23.45$

DATE: 1980/ 47 - 1980/ 48
 LIVETIME: 2458.3s
 ROLL ANGLE: 102.6°

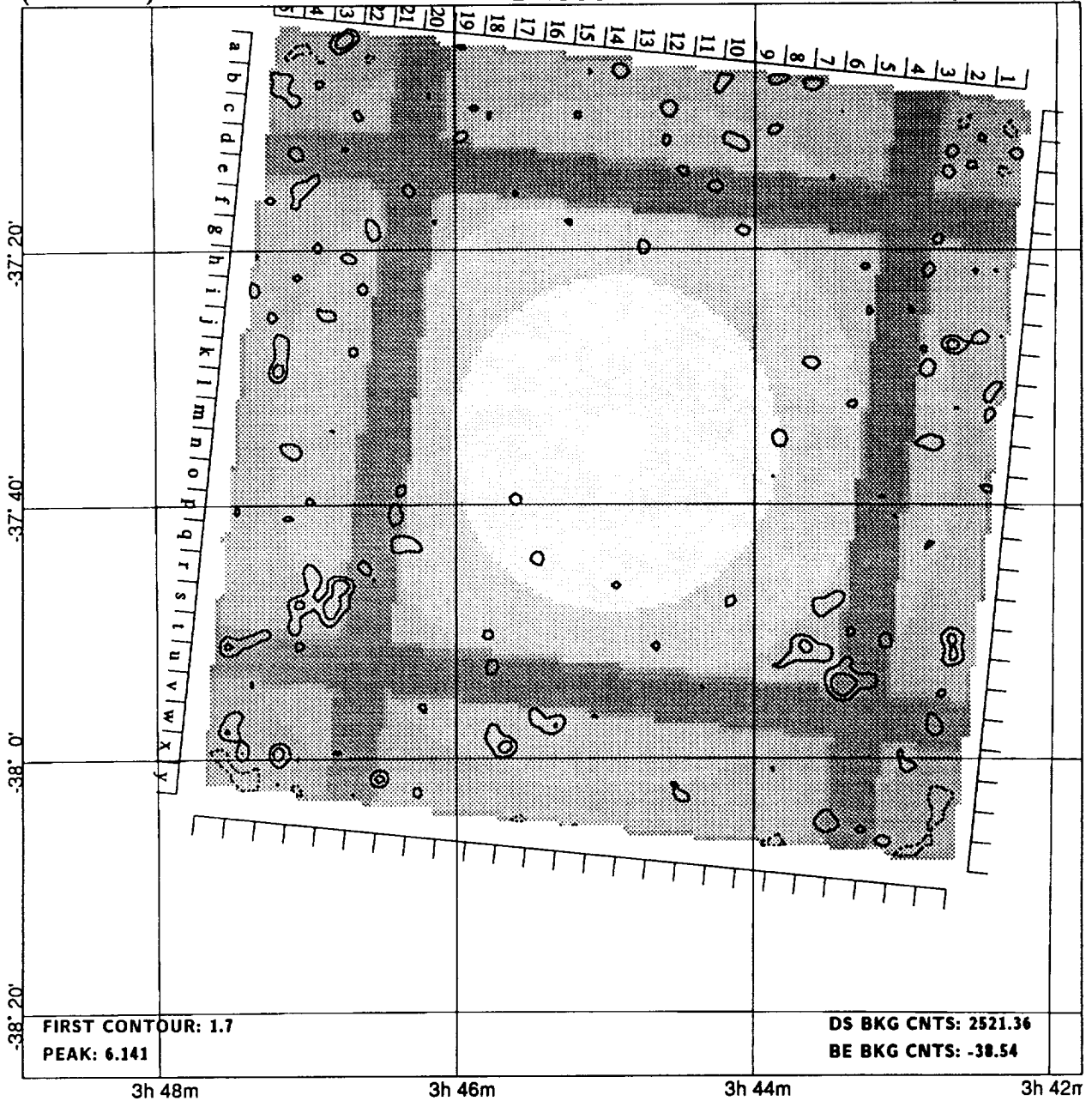
NH: 1.1E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
864	1	03 43 29.1	24 16 56	51	*0.0256 0.0052	28.6	5.4	4.9	0.8	1006	24.1	A	S
876	2	03 44 25.2	24 26 41	52	0.0284 0.0063	24.6	5.4	4.5	1.2	300	29.0	AH	S

(3h 45m)

I 4580

(3h 45m)



H0355-37 LOCATION

FIELD CENTER: 03^h45^m21.0^s -37°42'53" (B1950)
 03^h47^m11.7^s -37°33'41" (J2000)
 l : 240.10 b : -51.81

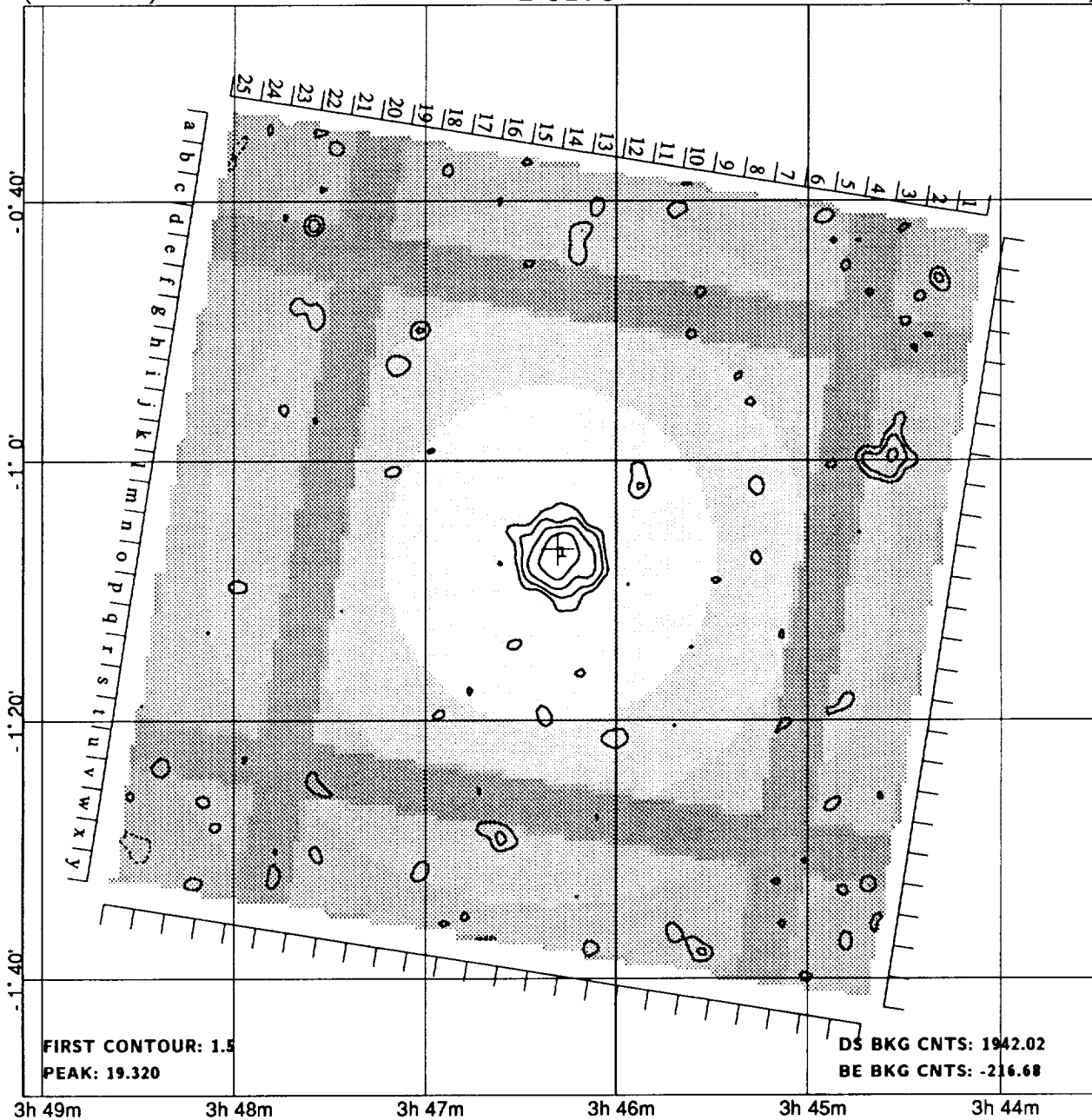
DATE: 1980/ 50 - 1980/ 50
 LIVETIME: 2043.1s
 ROLL ANGLE: 95.8°

NH: 1.7E+20
 REF/ID:
 FIELD FLAGS:

(3h 46m)

I 3178

(3h 46m)



NEW WHITE DWARF X-RAY SOURCES: EG 288

FIELD CENTER: 03^h46^m18.0^s -01°06'59'' (B1950)
 03^h48^m50.7^s -00°57'52'' (J2000)
 $l: 188.94$ $b: -40.09$

DATE: 1979/ 56 - 1979/ 56
 LIVETIME: 1573.7s
 ROLL ANGLE: 98.9°

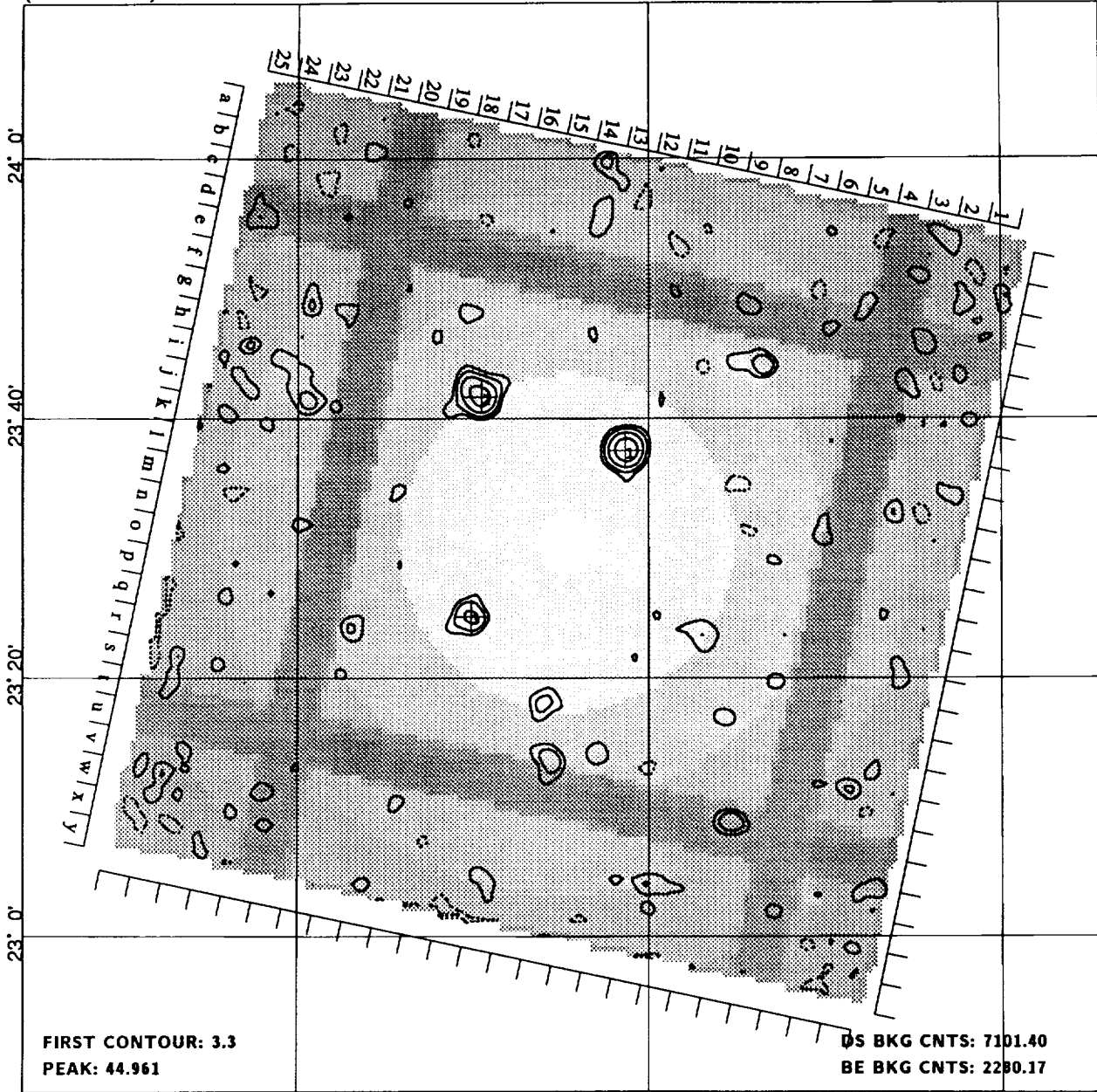
NH: 1.1E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
885	1	03 46 18.4	-01 06 52	31	0.0880	0.0088	103.0	4.0	10.0	2.4	0	0.7	H S

(3h 46m)

I 9919

(3h 46m)



PLEIADES FOLLOW-UP

FIELD CENTER: $03^{\text{h}}46^{\text{m}}30.0^{\text{s}}$ $23^{\circ}29'59''$ (B1950)
 $03^{\text{h}}49^{\text{m}}28.2^{\text{s}}$ $23^{\circ}39'05''$ (J2000)
 $l: 167.37$ $b: -23.48$

DATE: 1981/ 38 - 1981/ 39
 LIVETIME: 5754.5s
 ROLL ANGLE: 101.9°

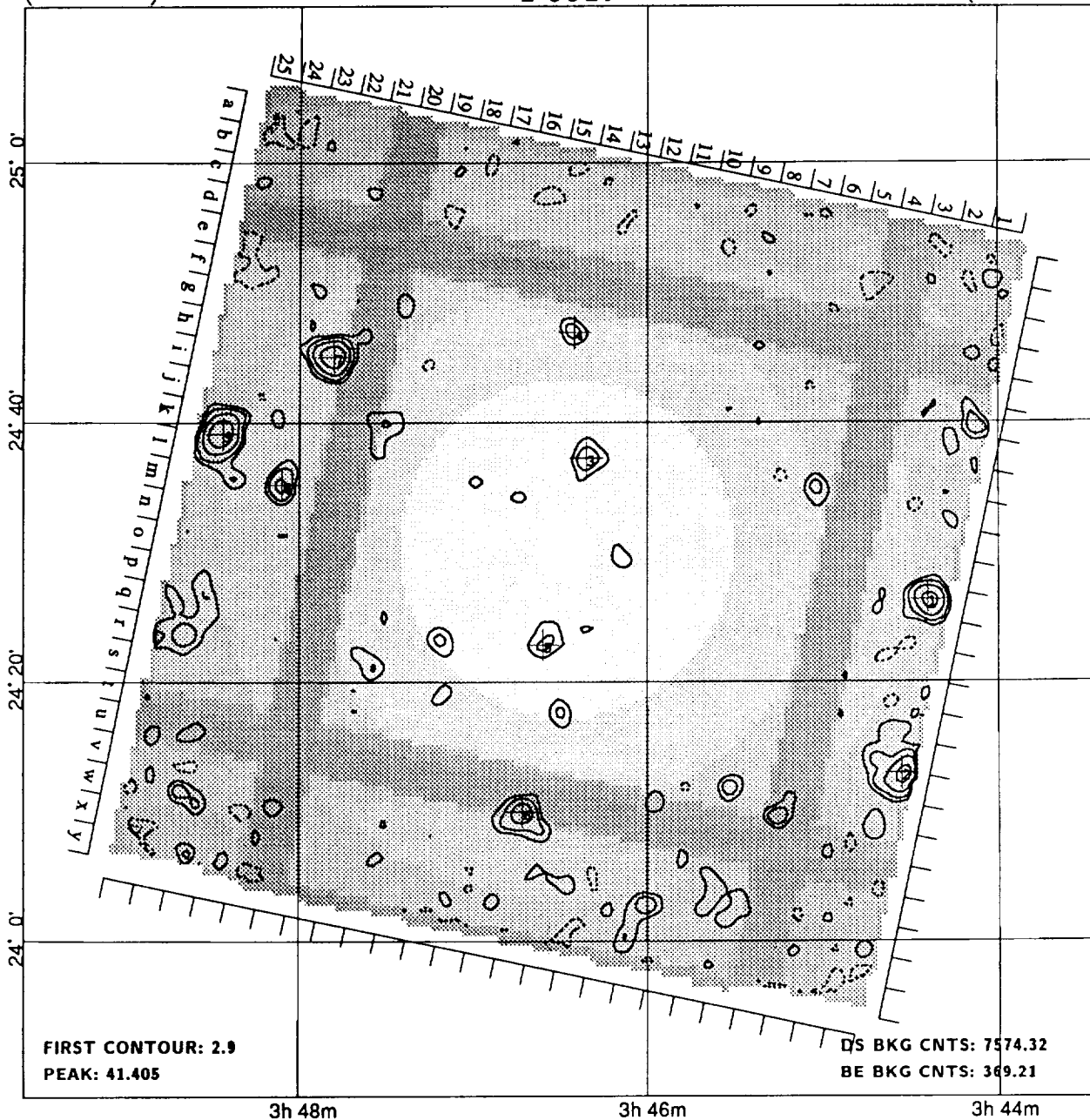
NH: $1.0\text{E}+21$
 REF/ID: S
 FIELD FLAGS: L

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
884	1L	03 46 08.0	23 37 30	38	0.0432	0.0040	169.9	21.1	10.7	1.0	0	9.0	A	S
891	2L	03 46 57.3	23 41 39	38	0.0342	0.0039	122.6	27.4	8.6	1.1	0	13.2		S
892	3L	03 47 00.8	23 24 44	41	0.0154	0.0027	59.4	18.6	5.6	0.8	0	8.9		S

(3h 46m)

I 9917

(3h 46m)



3h 48m

3h 46m

3h 44m

PLEIADES FOLLOW-UP

FIELD CENTER: $03^h 46^m 30.0^s$ $24^\circ 29' 59''$ (B1950)
 $03^h 49^m 29.4^s$ $24^\circ 39' 05''$ (J2000)
 $l: 166.63$ $b: -22.74$

DATE: 1981/ 39 - 1981/ 39
 LIVETIME: 6137.76
 ROLL ANGLE: 101.8°

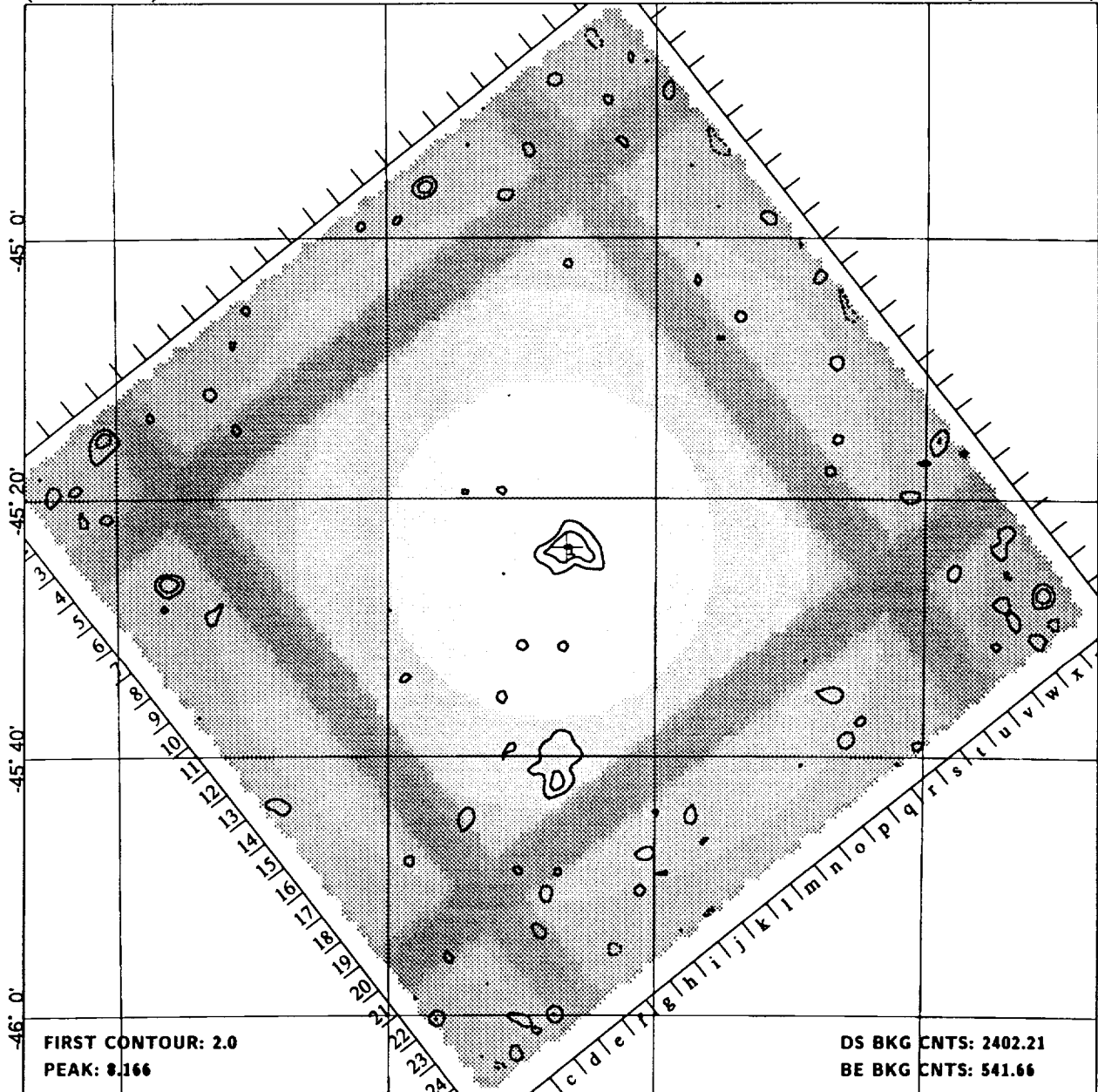
NH: $9.4E+20$
 REF/ID: S
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
876	1	03 44 24.0	24 26 18	50	0.0257	0.0037	59.3	12.7	7.0	1.0	400	28.9	AH S	S
878	2	03 44 33.0	24 13 00	50	0.0265	0.0042	49.1	10.9	6.3	1.3	600	31.3	AH S	S
886	3	03 46 21.0	24 37 15	41	0.0072	0.0017	30.6	22.4	4.2	0.9	0	7.5	H S	S
887	4	03 46 25.1	24 46 57	53	0.0065	0.0018	22.7	14.3	3.7	0.6	200	17.0		
888	5	03 46 35.9	24 22 52	43	0.0064	0.0016	27.0	19.0	4.0	0.8	0	6.9	H S	S
890	6	03 46 43.0	24 10 00	50	*0.0156	0.0024	47.8	8.2	6.4	1.1	1008	20.1	H S	S
895	7	03 47 48.2	24 45 03	48	*0.0344	0.0037	96.0	12.0	9.2	1.1	603	23.3	H S	S
896	8	03 48 06.0	24 35 14	51	0.0111	0.0024	31.5	14.5	4.6	0.9	0	22.7	H	
898	9	03 48 26.2	24 39 08	48	0.0379	0.0043	87.4	12.6	8.7	1.2	400	28.1	H S	S

(3h 46m)

I 8384

(3h 46m)



CLUSTER 249, ADDITIONAL SOUTHERN HIGH REDSHIFT CLUSTERS

FIELD CENTER: $03^{\text{h}}46^{\text{m}}42.0^{\text{s}}$ $-45^{\circ}23'59''$ (B1950)
 $03^{\text{h}}48^{\text{m}}19.1^{\text{s}}$ $-45^{\circ}14'51''$ (J2000)
 $l: 252.24$ $b: -50.61$

DATE: 1980/180 - 1980/180
 LIVETIME: 1946.6s
 ROLL ANGLE: -38.4°

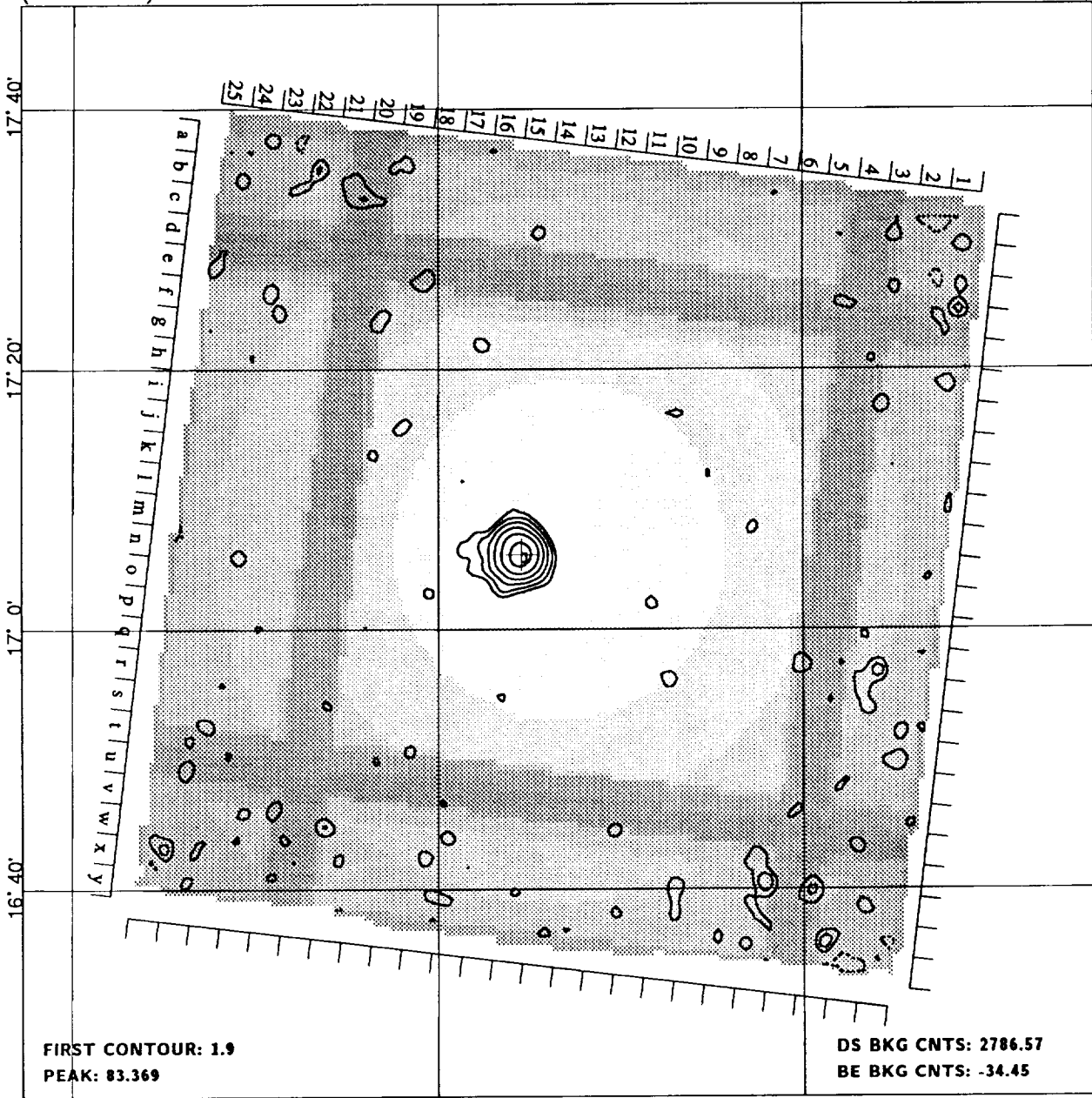
NH: $1.7\text{E}+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
889	1	03 46 39.9	-45 23 47	36	0.0211	0.0043	30.5	7.5	4.9	1.4	0	0.4	H

(3h 47m)

I 7814

(3h 47m)



FIRST CONTOUR: 1.9
PEAK: 83.369

DS BKG CNTS: 2786.57
BE BKG CNTS: -34.45

3h 50m

3h 48m

3h 46m

BD+16 516, X-RAY EMITTING EVOLVED ECLIPSING BINARIES

FIELD CENTER: 03^h 47^m 21.0^s 17° 05' 59" (B1950)
03^h 50^m 12.1^s 17° 15' 02" (J2000)
ℓ: 172.44 b: -27.97

DATE: 1981/ 41 - 1981/ 41
LIVETIME: 2258.0s
ROLL ANGLE: 96.8°

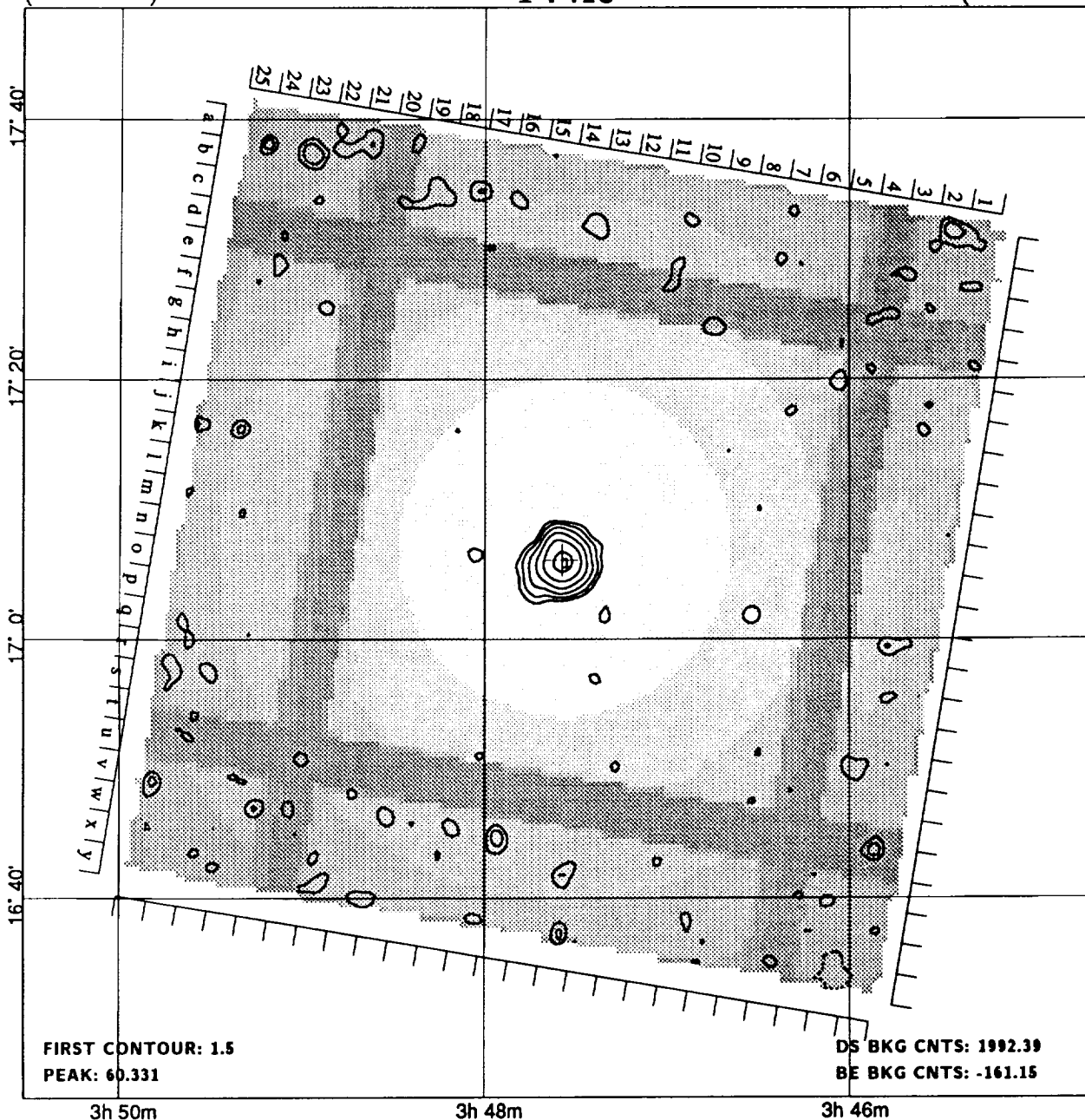
NH: 1.5E+21
REF/ID:
FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
894	1	03 47 32.5	17 05 45	31	0.237	0.012	390.8	6.2	19.6	1.4	0	2.8	AH S

(3h 47m)

I 7413

(3h 47m)



V471 TAU, HOT W.D. WITH MAIN SEQ COMPANION

FIELD CENTER: $03^h 47^m 36.0^s$ $17^\circ 06' 29''$ (B1950)
 $03^h 50^m 27.1^s$ $17^\circ 15' 31''$ (J2000)
 $l: 172.48$ $b: -27.92$

DATE: 1980/ 43 - 1980/ 43
 LIVETIME: 1614.5s
 ROLL ANGLE: 99.5°

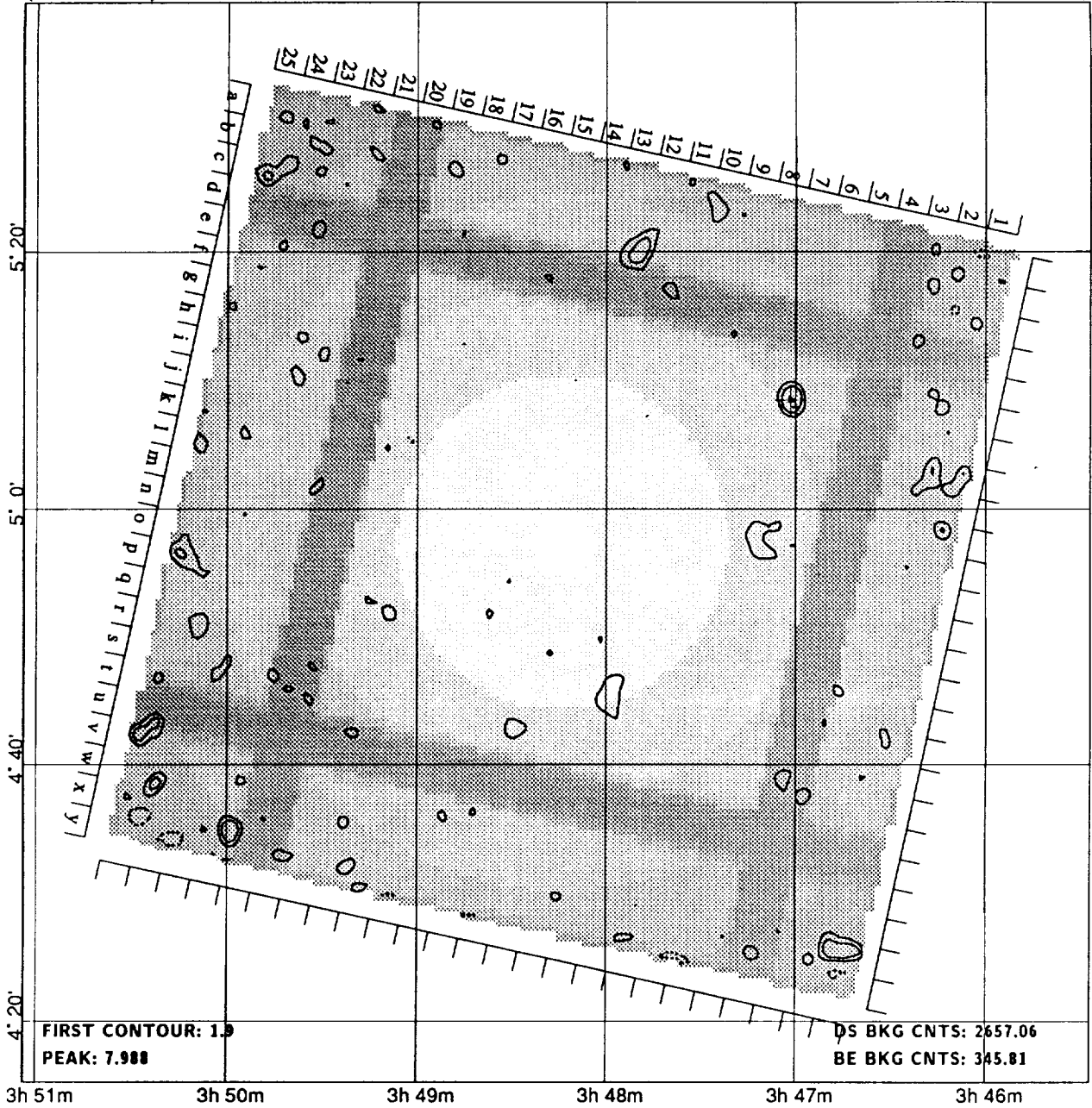
NH: 1.5E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
894	1	03 47 34.4	17 06 01	31	0.251 0.015	301.9	4.1	17.3	1.5	0	0.8	AH	S

(3h 48m)

I 6734

(3h 48m)



SEARCH FOR HIGH LX QSO'S: 9

FIELD CENTER: 03^h48^m15.5^s 04°57'20" (B1950)
 03^h50^m54.2^s 05°06'21" (J2000)
 l : 183.21 b : -35.99

DATE: 1981/ 47 - 1981/ 47
 LIVETIME: 2153.1s
 ROLL ANGLE: 102.4°

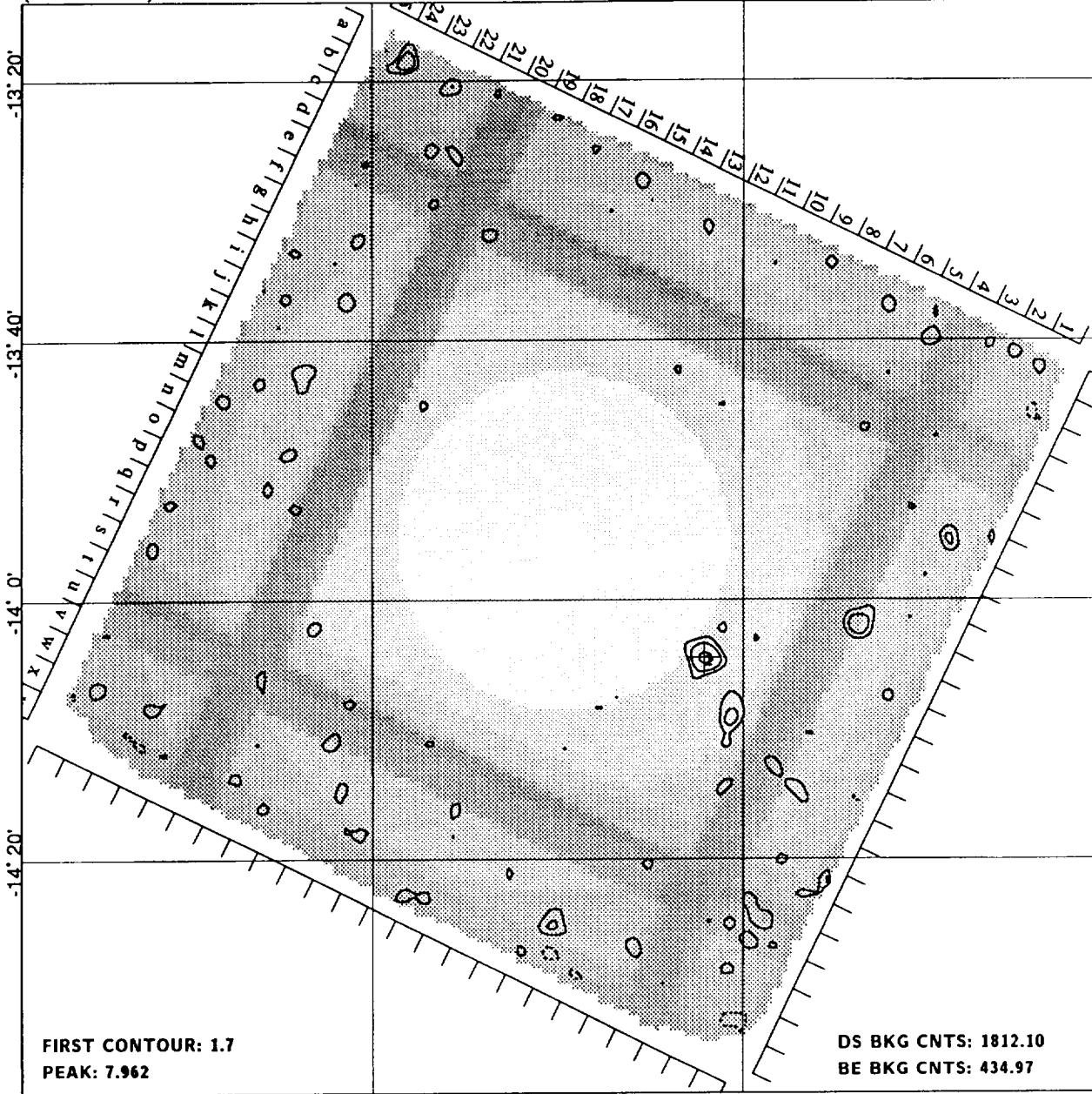
NH: 1.3E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID FLG
893	1	03 47 01.6	05 08 28	53	0.0173	0.0046	18.4	5.6	3.8	0.8	0	21.6	H	

(3h 49m)

I 2346

(3h 49m)



2A0349-139=QSO PKS0349-1403: SOUTHERN HEMISPHERE SURVEY

FIELD CENTER: $03^h 49^m 00.0^s$ $-13^\circ 55' 59''$ (B1950)
 $03^h 51^m 19.8^s$ $-13^\circ 47' 01''$ (J2000)
 $l: 204.54$ $b: -46.06$

DATE: 1979/ 29 - 1979/ 30
 LIVETIME: 1468.4s
 ROLL ANGLE: 115.9°

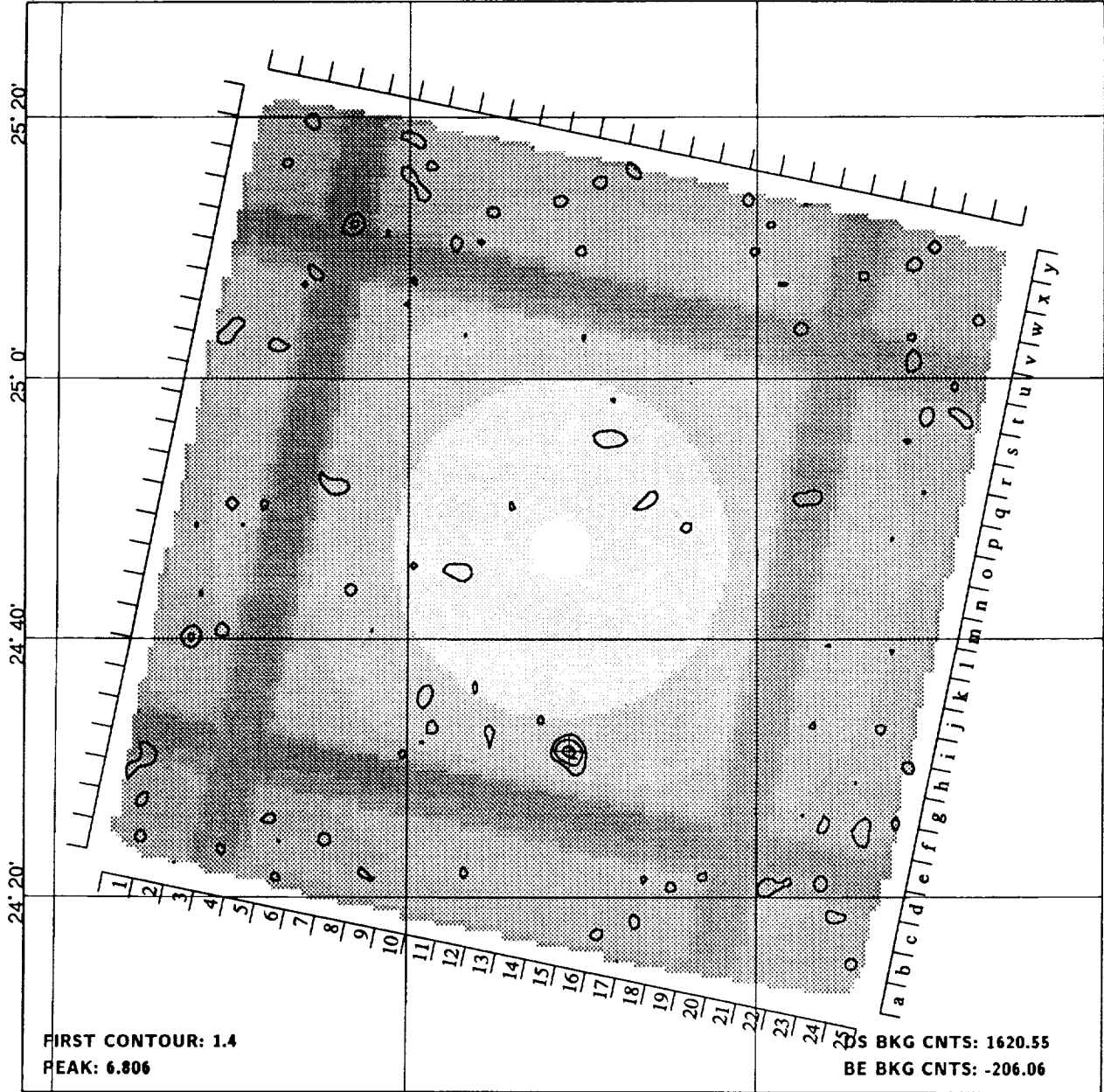
NH: $4.0E+20$
 REF/ID: !
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
897	1	03 48 12.6	-14 04 24	42	0.0295	0.0062	26.3	4.7	4.7	0.9	0	14.1	H

(3h 49m)

I 3175

(3h 49m)



3h 52m

3h 50m

3h 48m

NEW WHITE DWARF X-RAY SOURCES: EG 25

FIELD CENTER: $03^h 49^m 06.0^s$ $24^\circ 46' 59''$ (B1950)
 $03^h 52^m 05.9^s$ $24^\circ 55' 56''$ (J2000)
 $l: 166.90$ $b: -22.14$

DATE: 1979/225 - 1979/225
 LIVETIME: 1313.2s
 ROLL ANGLE: -78.4°

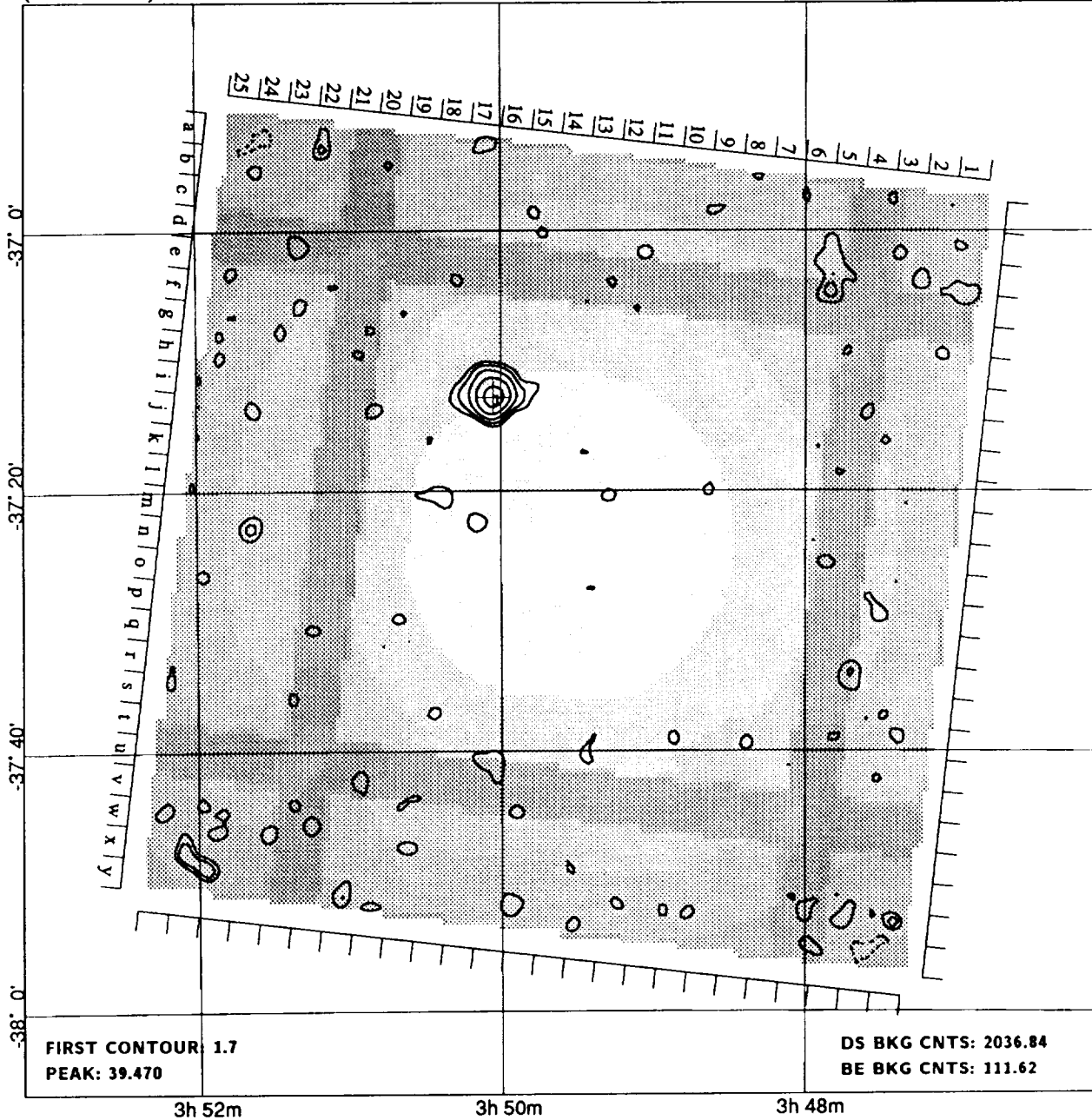
NH: $8.4E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
899	1	03 49 04.3	24 31 14	52	0.0217	0.0057	16.5	2.5	3.8	0.8	0	15.6	H	S

(3h 49m)

I 4579

(3h 49m)



H0355-37 LOCATION

FIELD CENTER: $03^h 49^m 37.0^s$ $-37^\circ 24' 29''$ (B1950)
 $03^h 51^m 27.7^s$ $-37^\circ 15' 33''$ (J2000)
 $l: 239.56$ $b: -50.98$

DATE: 1980 / 50 - 1980 / 50
 LIVETIME: 1650.5s
 ROLL ANGLE: 96.5°

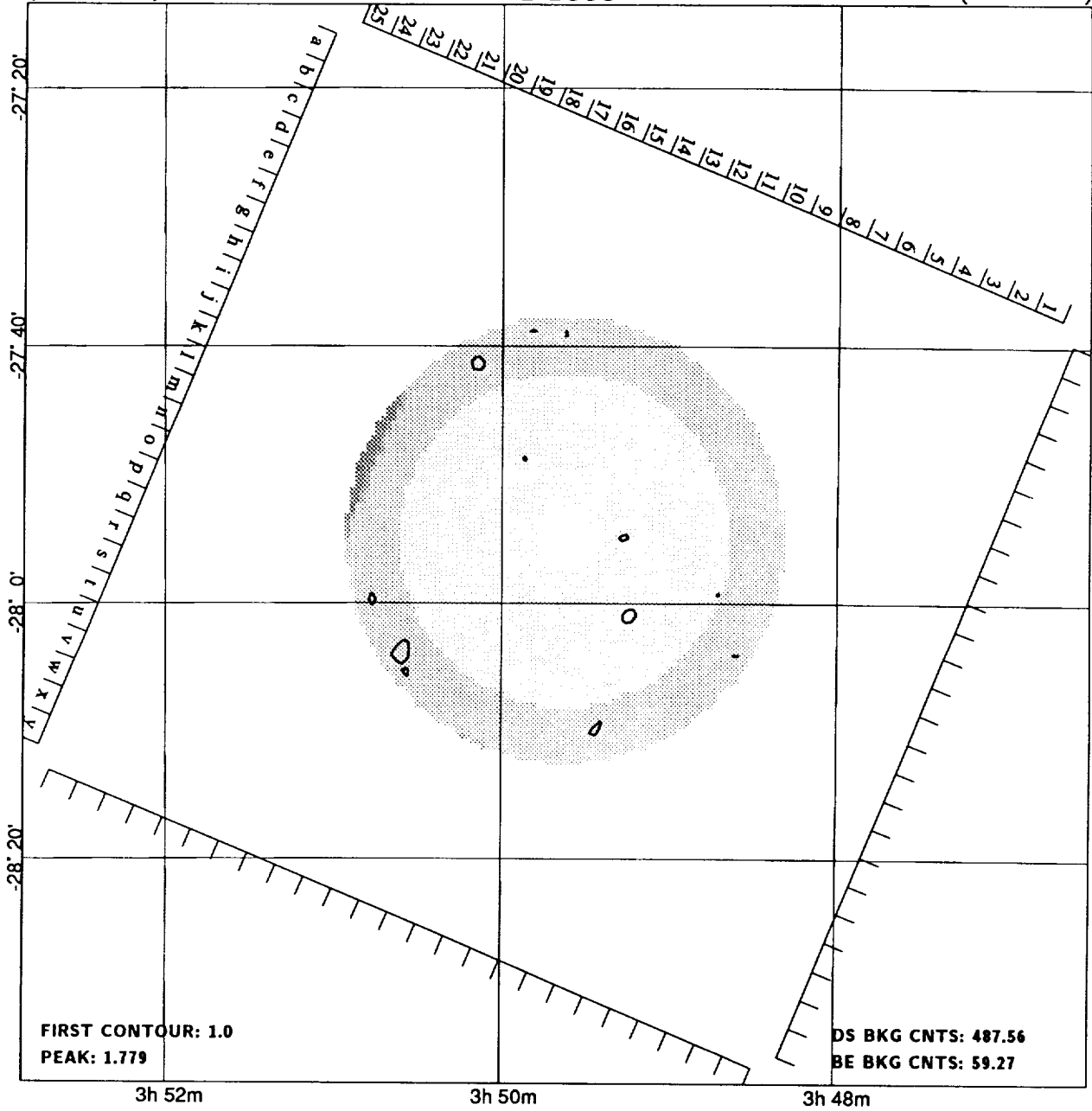
NH: $1.4E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
900	1	03 50 03.0	-37 12 45	38	0.127	0.011	133.3	4.7	11.3	1.2	0	13.0	H

(3h 49m)

I 1888

(3h 49m)



0349-27: X-RAY STUDY OF RADIO GALAXIES

FIELD CENTER: $03^{\text{h}}49^{\text{m}}40.0^{\text{s}}$ $-27^{\circ}55'29''$ (B1950)
 $03^{\text{h}}51^{\text{m}}43.9^{\text{s}}$ $-27^{\circ}46'33''$ (J2000)
 $l: 224.64$ $b: -50.23$

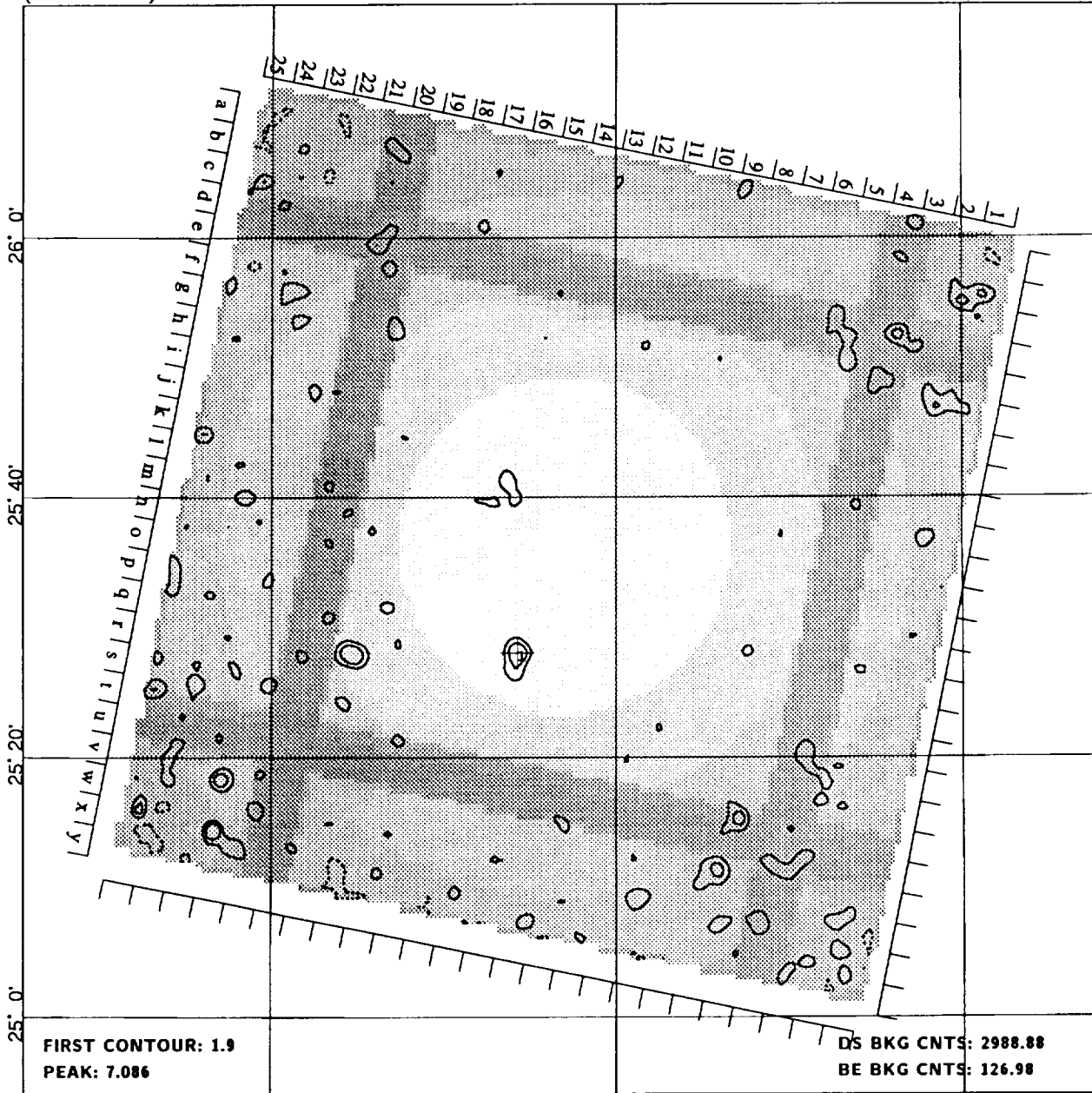
DATE: 1979/ 30 - 1979/ 30
 LIVETIME: 395.1s
 ROLL ANGLE: 112.6°

NH: $1.0\text{E}+20$
 REF/ID: !
 FIELD FLAGS:

(3h 50m)

I 7408

(3h 50m)



HDE 2#3048, SUBDWARF STAR

FIELD CENTER: $03^h 50^m 20.0^s$ $25^\circ 35' 59''$ (B1950)
 $03^h 53^m 20.9^s$ $25^\circ 44' 51''$ (J2000)
 $l: 166.52$ $b: -21.35$

DATE: 1981/ 41 - 1981/ 41
 LIVETIME: 2422.0s
 ROLL ANGLE: 101.4°

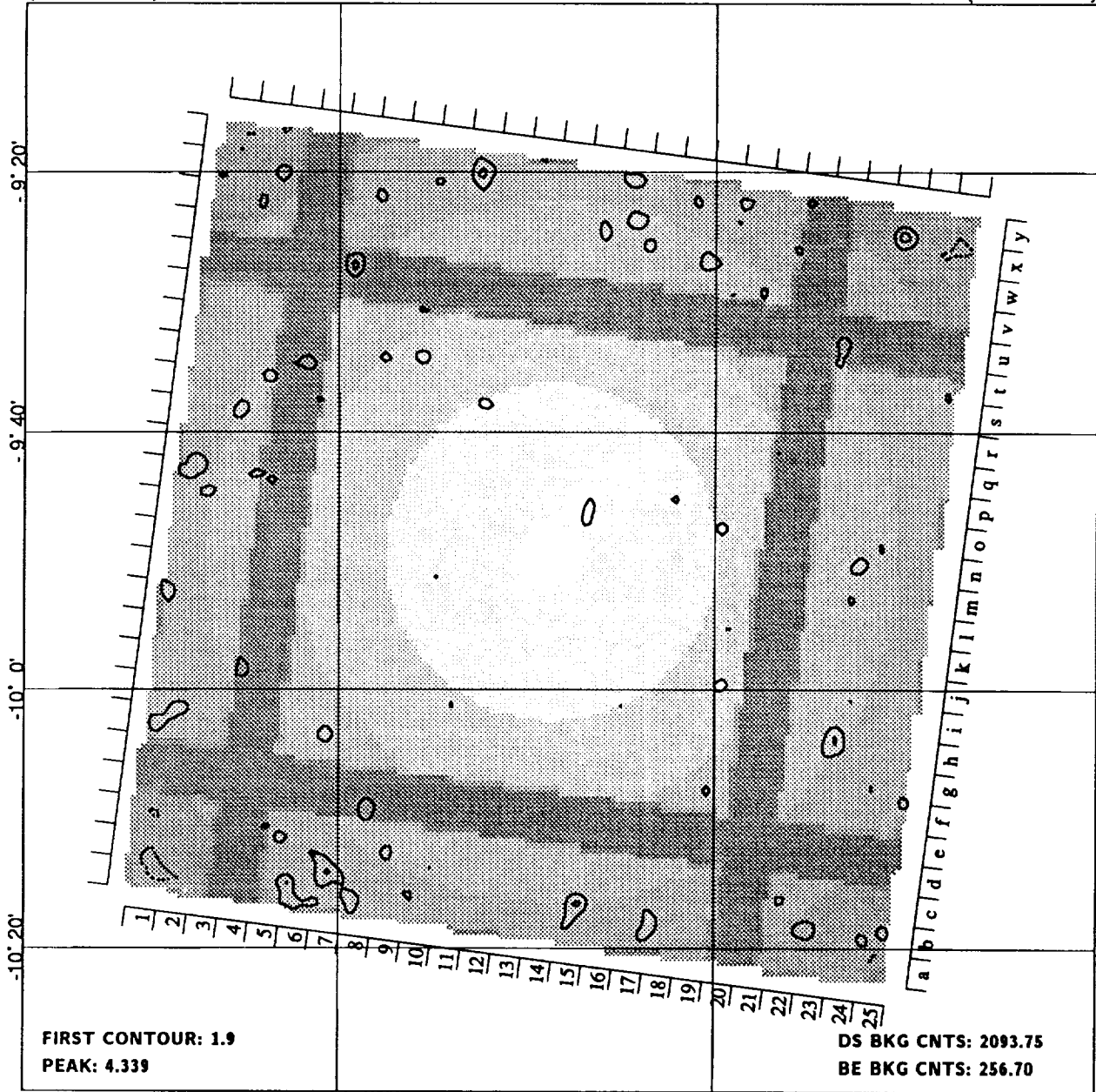
NH: $7.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
901	1	03 50 34.3	25 28 03	42	0.0113	0.0031	18.5	7.5	3.6	0.8	0	8.5	H

(3h 50m)

I 2710

(3h 50m)



3h 52m

3h 50m

QUASAR SURVEY: 3C95

FIELD CENTER: $03^h 50^m 49.0^s -09^\circ 48' 59''$ (B1950)
 $03^h 53^m 13.0^s -09^\circ 40' 08''$ (J2000)
 $l: 199.64 \quad b: -43.80$

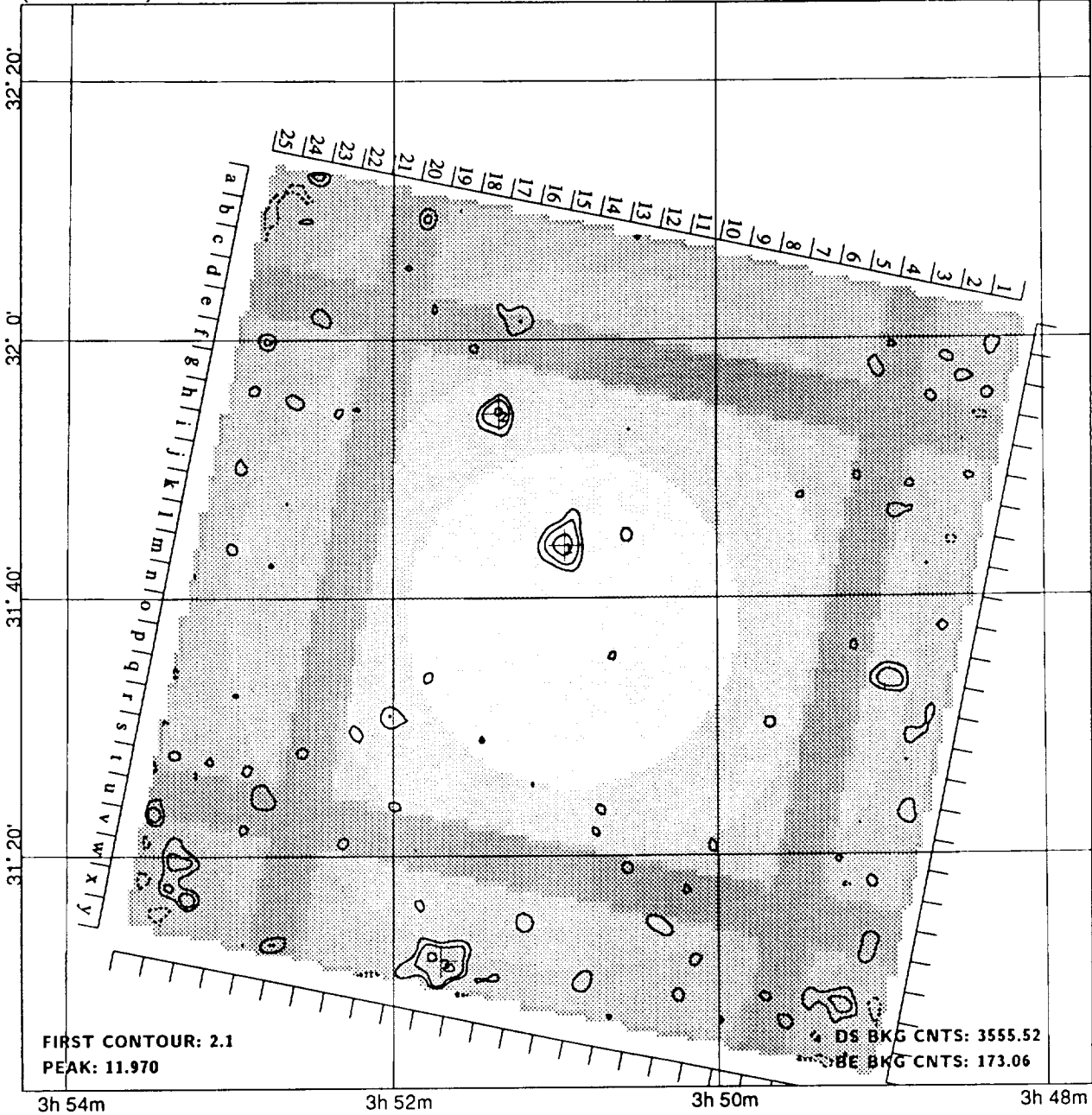
DATE: 1979/242 - 1979/242
 LIVETIME: 1696.6s
 ROLL ANGLE: -82.8°

NH: $4.3E+20$
 REF/ID:
 FIELD FLAGS:

(3h 51m)

I 2227

(3h 51m)



STELLAR SURVEY-EARLY TYPE STARS: HD24398=ZETA PER

FIELD CENTER: 03^h51^m00.0^s 31°43'59" (B1950)
 03^h54^m08.9^s 31°52'48" (J2000)
 l : 162.29 b : -16.69

DATE: 1980/ 47 - 1980/ 47
 LIVETIME: 2881.1s
 ROLL ANGLE: 101.4°

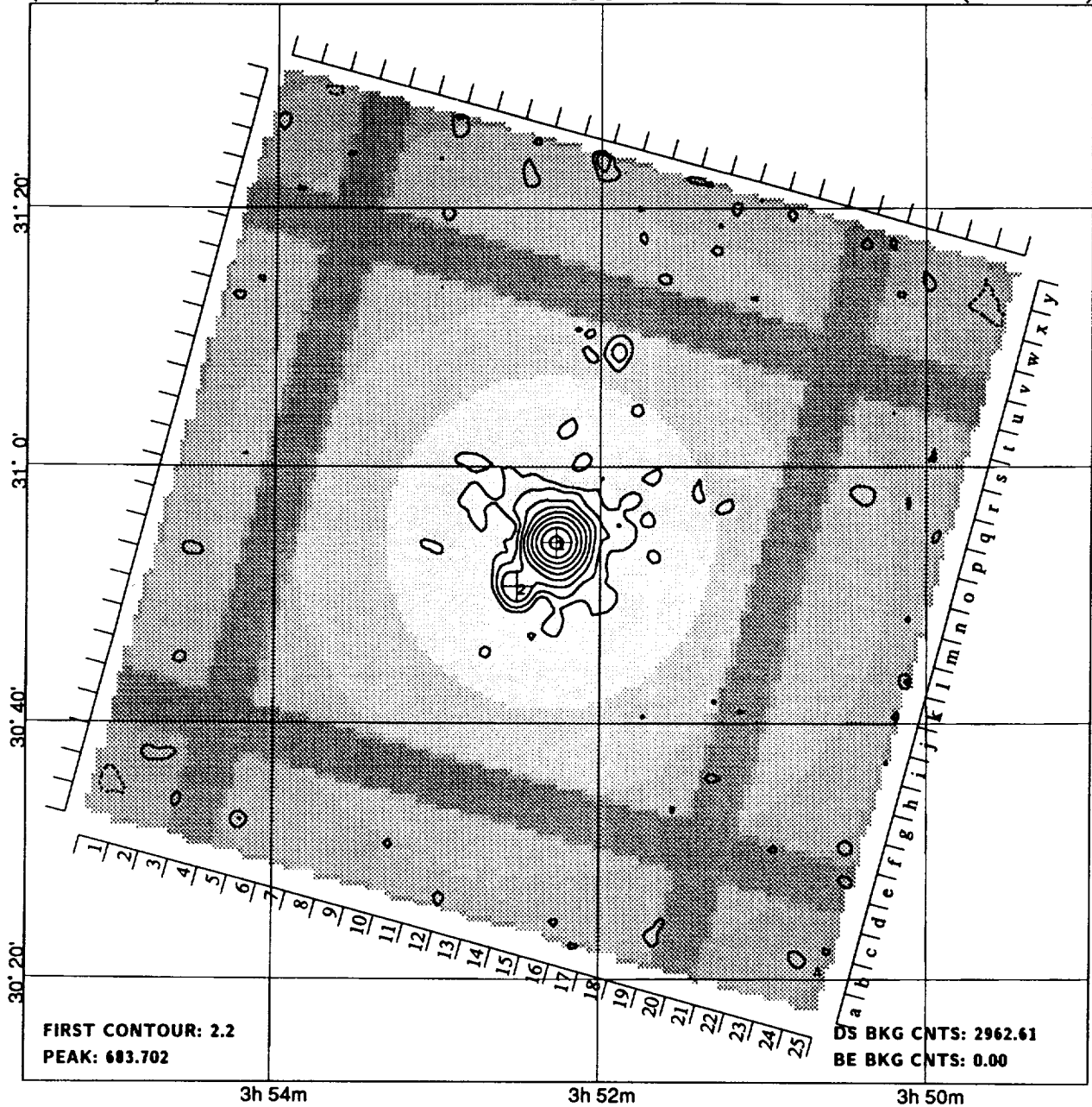
NH: 9.5E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
902	1	03 50 56.4	31 44 04	35	0.0237 0.0037	48.3	9.7	6.3	1.1	0	0.6	H	S
903	2	03 51 20.7	31 54 16	42	0.0153 0.0035	24.6	7.4	4.3	1.0	0	11.1	EH	
905	3	03 51 42.5	31 11 53	55	0.0202 0.0050	21.9	7.1	4.1	1.5	100	33.4	H	

(3h 52m)

I 4535

(3h 52m)



X PERSEI

FIELD CENTER: 03^h52^m15.0^s 30°54'00" (B1950)
 03^h55^m22.9^s 31°02'45" (J2000)
 l : 163.08 b : -17.14

DATE: 1979/253 - 1979/253
 LIVETIME: 2400.7s
 ROLL ANGLE: -75.0°

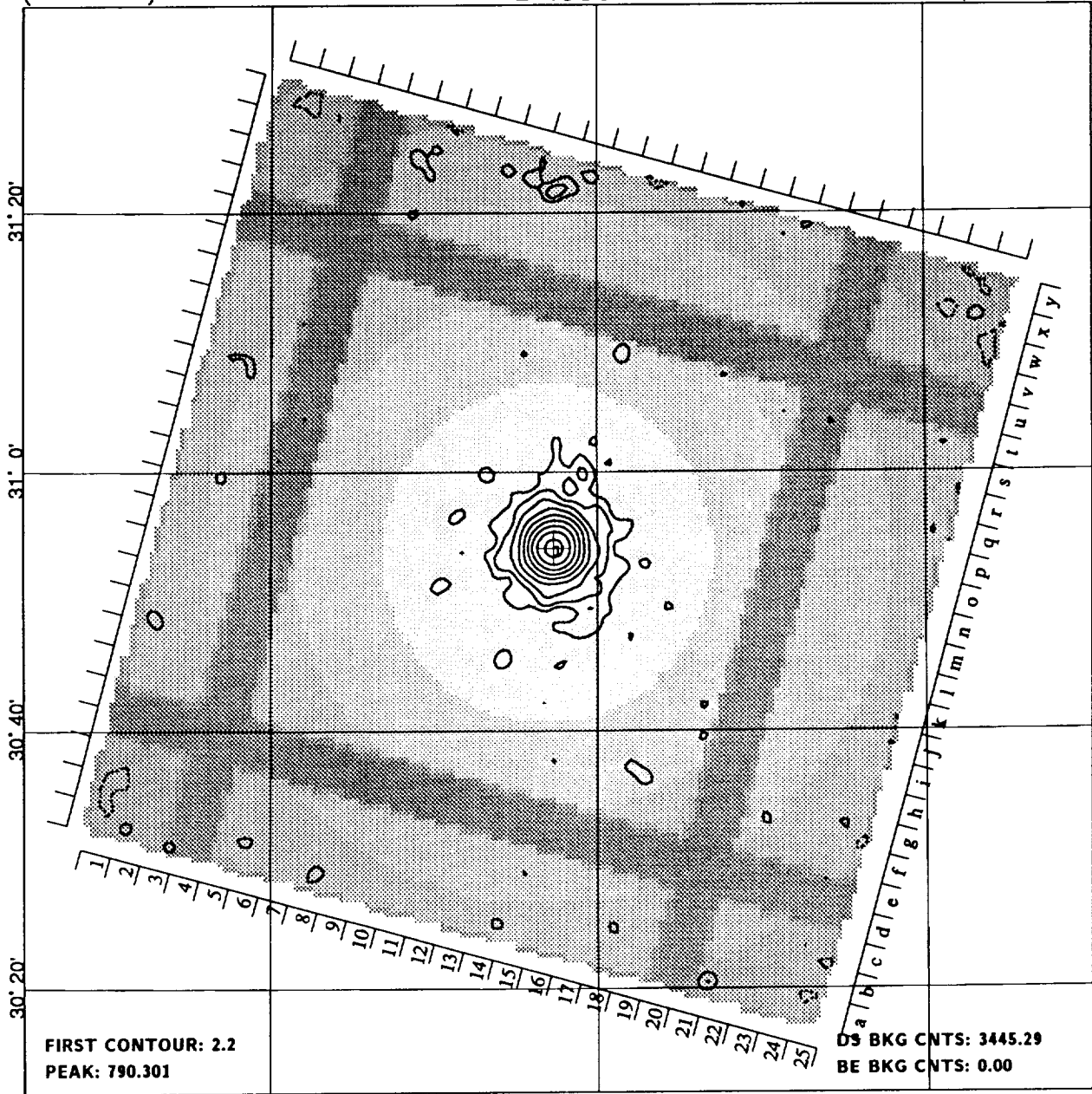
NH: 8.5E+20
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
906	1L	03 52 16.2	30 54 06	31	1.410 0.033	2525.5	205.5	42.9	1.3	0	0.3	A	S
907	2L	03 52 30.7	30 50 40	34	0.0300 0.0061	51.9	27.1	4.8	46.3	0	4.8		

(3h 52m)

I 4536

(3h 52m)



FIRST CONTOUR: 2.2
 PEAK: 790.301

DS BKG CNTS: 3445.29
 BE BKG CNTS: 0.00

3h 54m

3h 52m

3h 50m

X PERSEI

FIELD CENTER: 03^h52^m15.0^s 30°54'00" (B1950)
 03^h55^m22.9^s 31°02'45" (J2000)
 l : 163.08 b : -17.14

DATE: 1979/254 - 1979/254
 LIVETIME: 2791.8s
 ROLL ANGLE: -74.8°

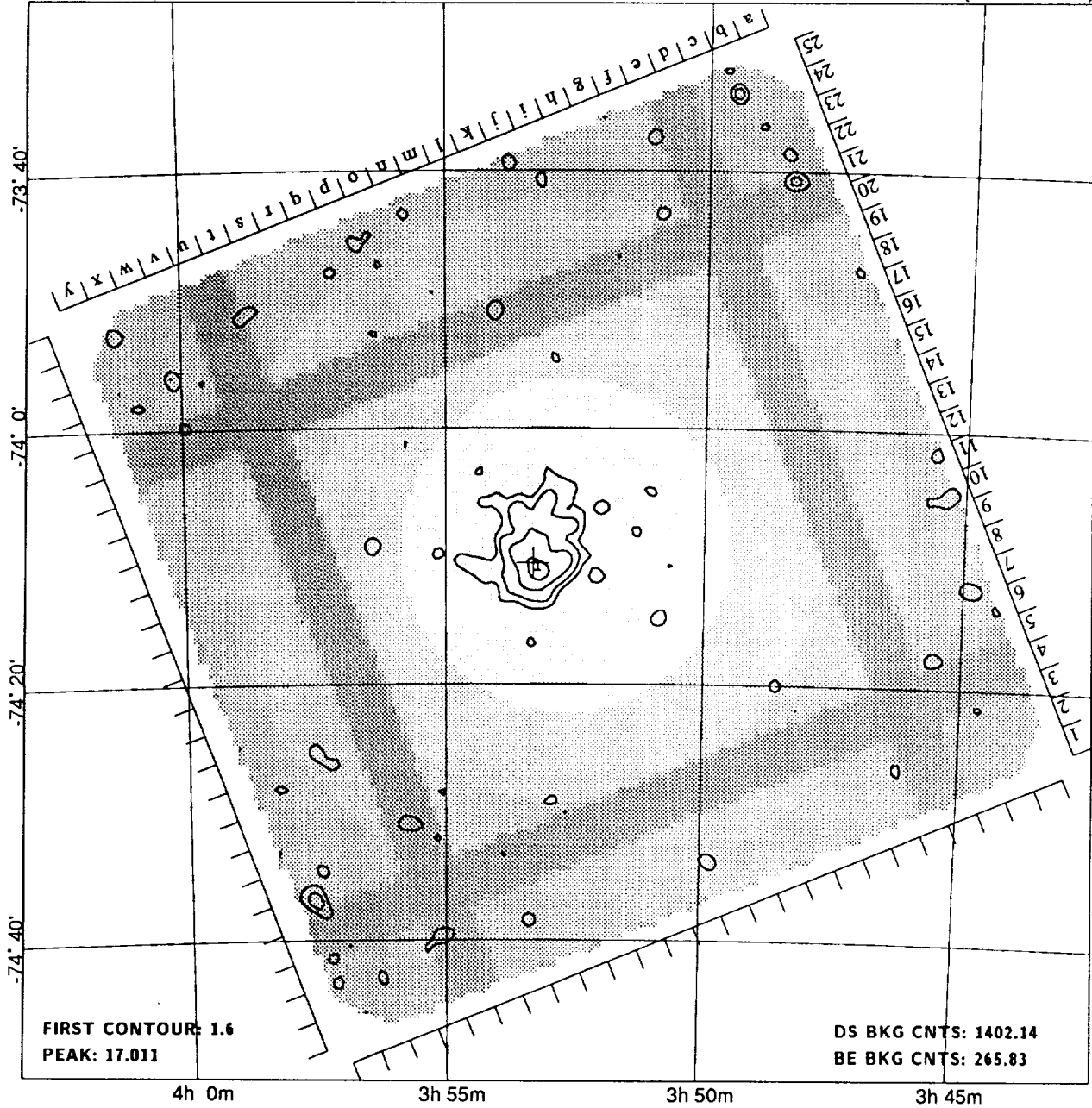
NH: 8.5E+20
 REF/ID:
 FIELD FLAGS: CL

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
906	1L	03 52 16.1	30 54 06	31	1.450 0.031	3015.2	243.8	46.9	1.3	0	0.3	A	S

(3h 52m)

I 8385

(3h 52m)



CLUSTER 31, ADDITIONAL SOUTHERN HIGH REDSHIFT CLUSTERS

FIELD CENTER: $03^h 52^m 48.0^s$ $-74^\circ 08' 59''$ (B1950)
 $03^h 52^m 02.8^s$ $-74^\circ 00' 09''$ (J2000)
 $l: 288.64$ $b: -37.68$

DATE: 1980/355 - 1980/355
 LIVETIME: 1136.2s
 ROLL ANGLE: 158.3°

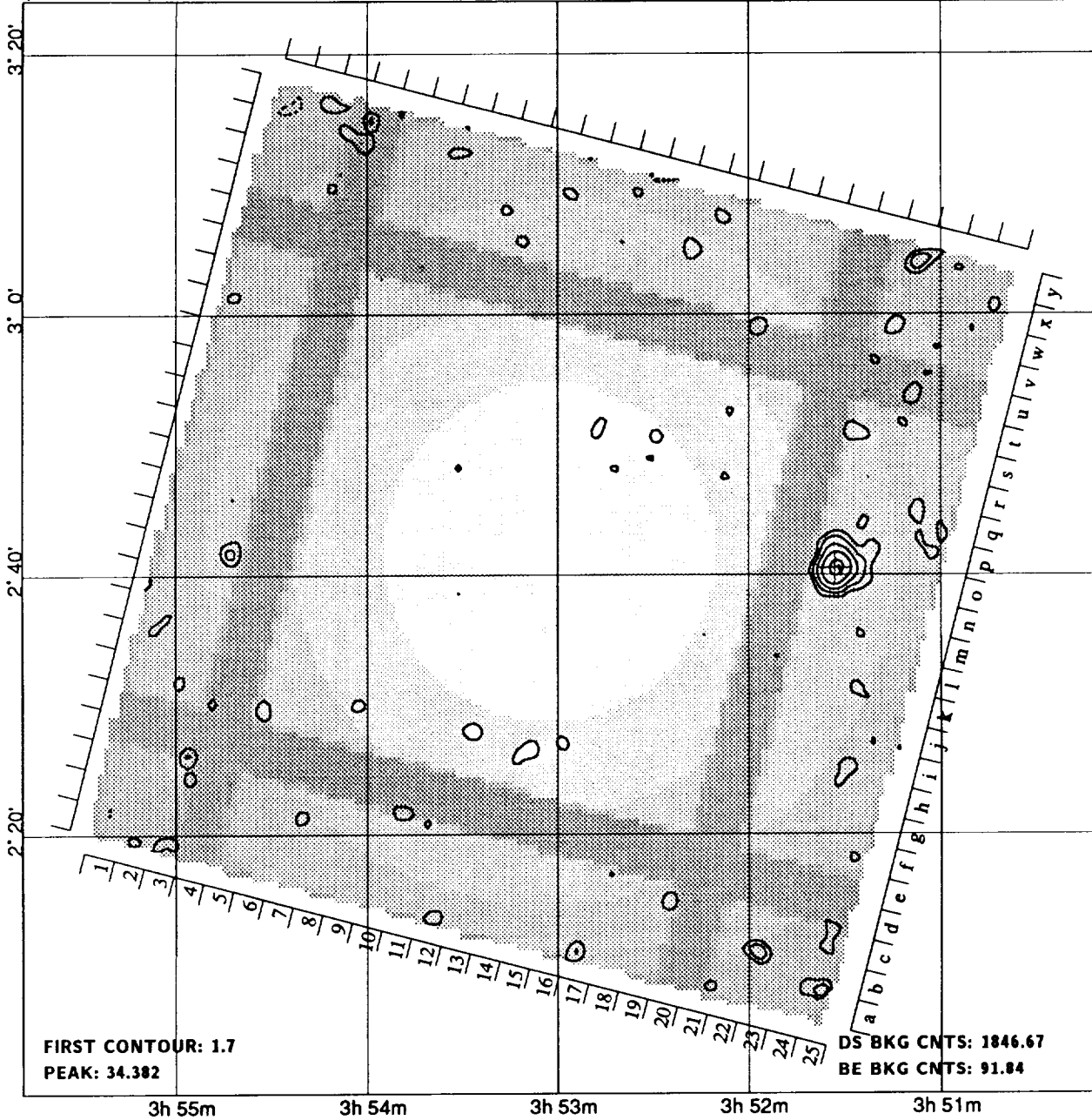
NH: $5.6E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID
908	1	03 53 18.7	-74 10 34	32	0.088	0.011	72.7	4.3	8.3	3.2	0	2.6	AH

(3h 53m)

I 1931

(3h 53m)



X-RAY STUDY OF SEYFERT AND N-TYPE GALAXIES: PKS0353+027

FIELD CENTER: 03^h53^m00.0^s 02°41'59" (B1950)
 03^h55^m36.5^s 02°50'42" (J2000)
 l : 186.32 b : -36.47

DATE: 1979/225 - 1979/225
 LIVETIME: 1496.4s
 ROLL ANGLE: -75.6°

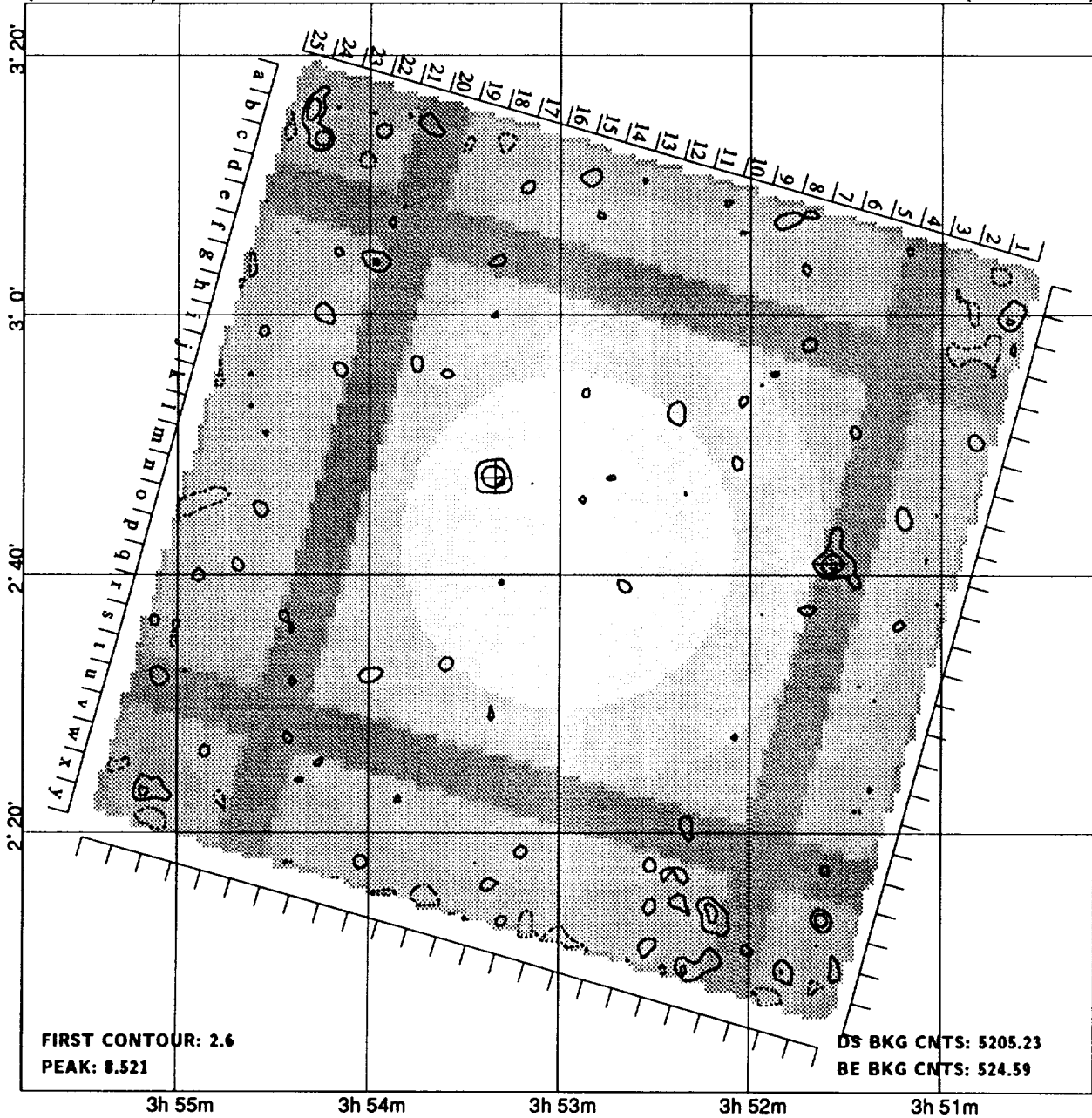
NH: 1.3E+21
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
904	1	03 51 33.1	02 40 31	48	0.111	0.013	78.7	3.3	8.7	1.2	200	21.8	AH	AGN

(3h 53m)

I 1932

(3h 53m)



PKS 0353+027: SEYFERT AND N-TYPE GALAXIES

FIELD CENTER: $03^{\text{h}}53^{\text{m}}00.0^{\text{s}}$ $02^{\circ}41'59''$ (B1950)
 $03^{\text{h}}55^{\text{m}}36.5^{\text{s}}$ $02^{\circ}50'42''$ (J2000)
 $l: 186.32$ $b: -36.47$

DATE: 1980/ 37 - 1980/ 37
 LIVETIME: 4217.9s
 ROLL ANGLE: 105.7°

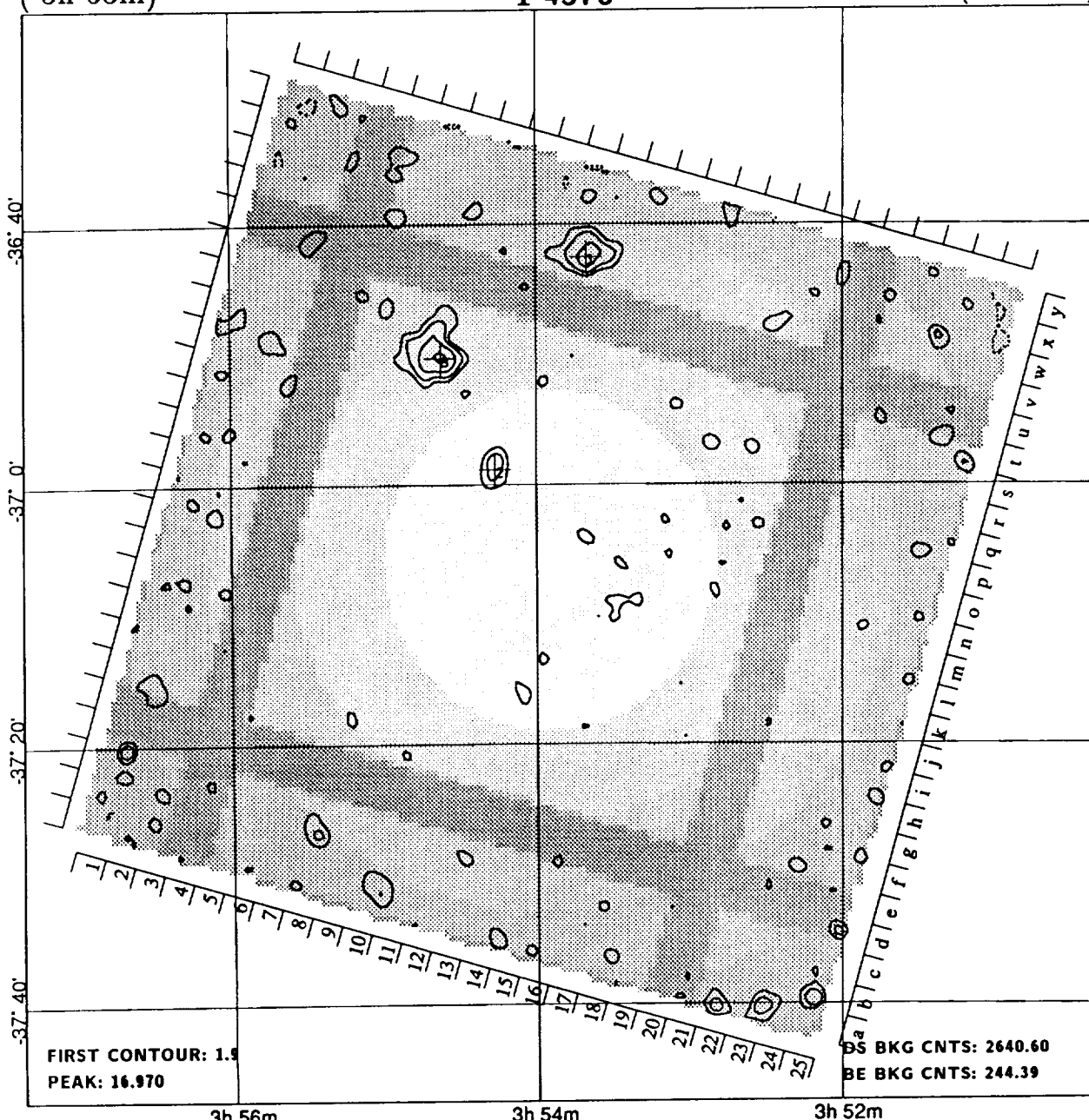
NH: $1.3\text{E}+21$
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT ± RATE	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
904	1	03 51 34.7	02 40 53	55	*0.0089 0.0024	18.7	6.3	3.7	1.0	1108	21.2	A	AGN
909	2	03 53 20.4	02 47 26	42	0.0108 0.0023	31.5	13.5	4.7	0.8	0	7.7		

(3h 53m)

I 4578

(3h 53m)



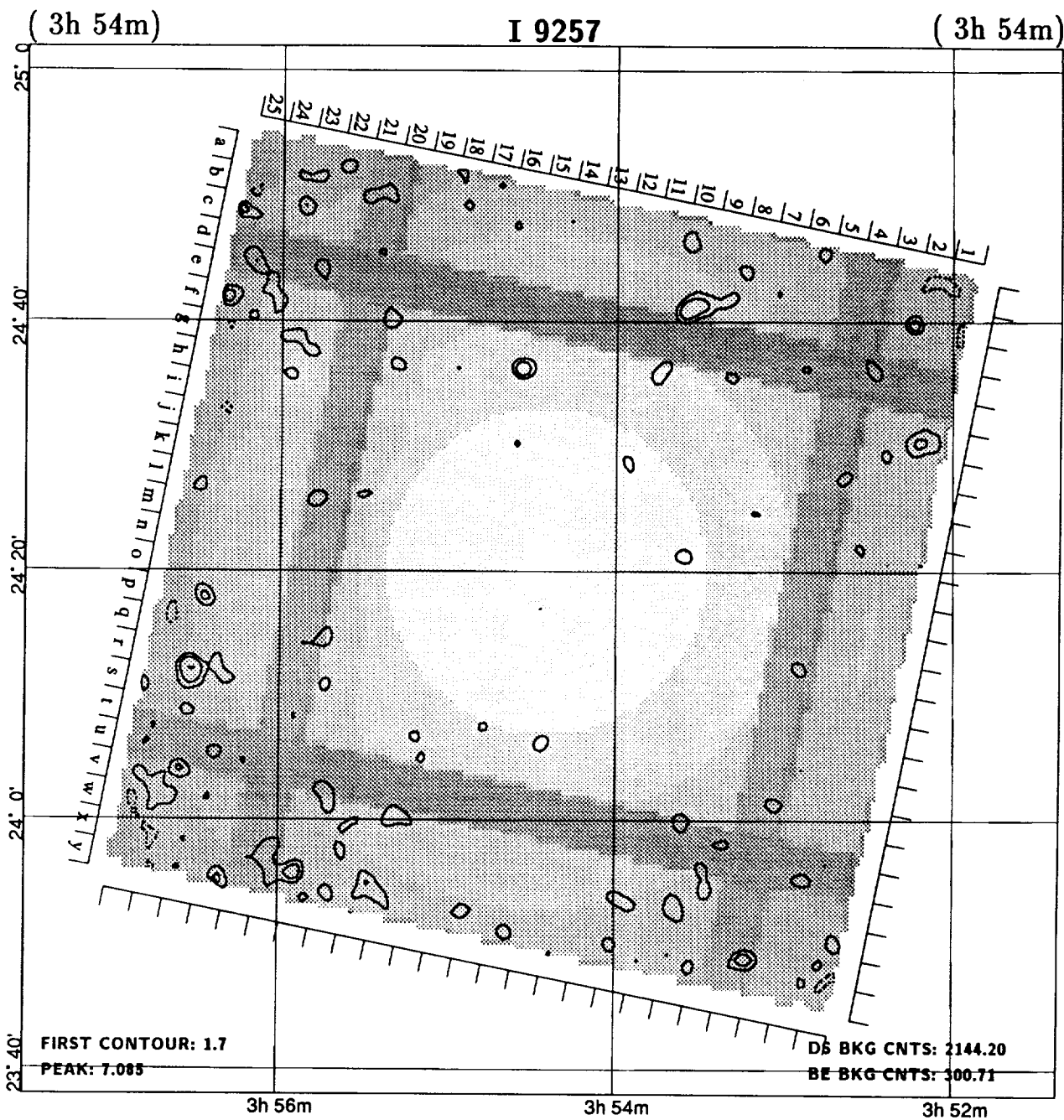
H0355-37 LOCATION

FIELD CENTER: $03^h 53^m 51.0^s$ $-37^{\circ} 05' 35''$ (B1950)
 $03^h 55^m 41.7^s$ $-36^{\circ} 56' 54''$ (J2000)
 $l: 239.05$ $b: -50.14$

DATE: 1980/224 - 1980/224
 LIVETIME: 2139.7s
 ROLL ANGLE: -74.1°

NH: $1.1E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
910	1	03 53 40.1	-36 42 31	51	0.0291	0.0059	28.2	4.8	4.9	1.3	0	23.4	H	
912	2	03 54 16.3	-36 58 51	43	0.0153	0.0037	22.3	6.7	4.1	0.8	0	8.6		
913	3	03 54 37.6	-36 50 17	50	0.0446	0.0065	52.1	5.9	6.8	1.5	0	18.0	H	



PLEIADES: HR 1222

FIELD CENTER: 03^h54^m26.0^s 24°19'59" (B1950)
 03^h57^m25.7^s 24°28'36" (J2000)
 $l: 168.18$ $b: -21.63$

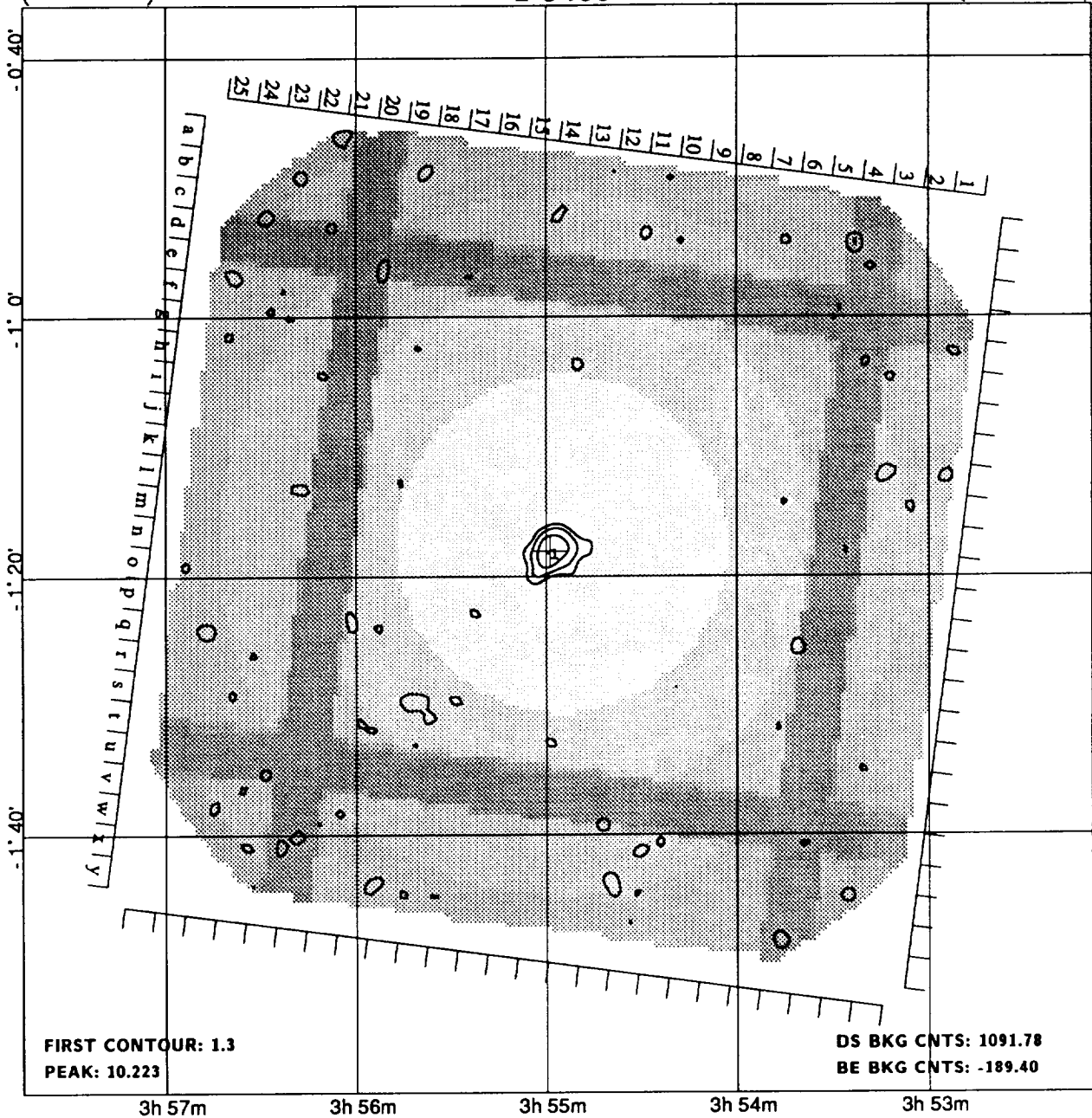
DATE: 1981/ 40 - 1981/ 40
LIVETIME: 1737.5s
ROLL ANGLE: 101.2°

NH: 8.5E+20
REF/ID:
FIELD FLAGS:

(3h 54m)

I 5460

(3h 54m)



HD 024916

FIELD CENTER: 03^h54^m57.0^s -01°17'59" (B1950)
 03^h57^m29.5^s -01°09'24" (J2000)
 $l: 190.75$ $b: -38.43$

DATE: 1990/ 61 - 1990/ 61
LIVETIME: 894.7s
ROLL ANGLE: 97.4°

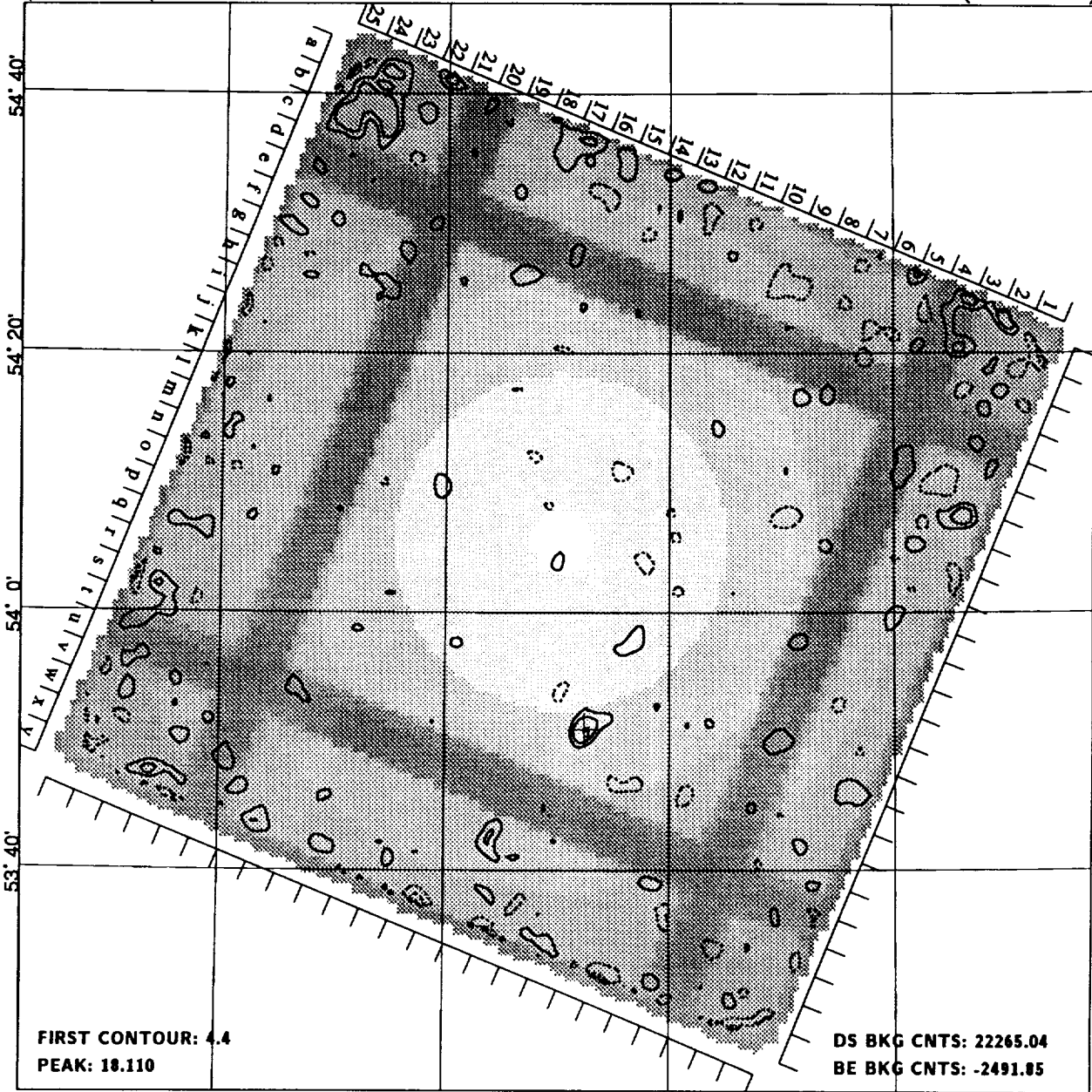
NH: 1.4E+21
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID
915	1	03 54 58.8	-01 18 02	35	0.062	0.010	40.8	2.2	6.2	1.3	0	0.6	H	S

(3h 55m)

I 5919

(3h 55m)



FIRST CONTOUR: 4.4
PEAK: 18.110

DS BKG CNTS: 22265.04
BE BKG CNTS: -2491.85

RADIO PULSAR PROJECT:

FIELD CENTER: 03^h55^m00.0^s 54°04'58" (B1950)
03^h58^m53.2^s 54°13'30" (J2000)
ℓ: 148.19 b: 0.81

DATE: 1980/ 73 - 1980/ 74
LIVETIME: 18041.9s
ROLL ANGLE: 112.3°

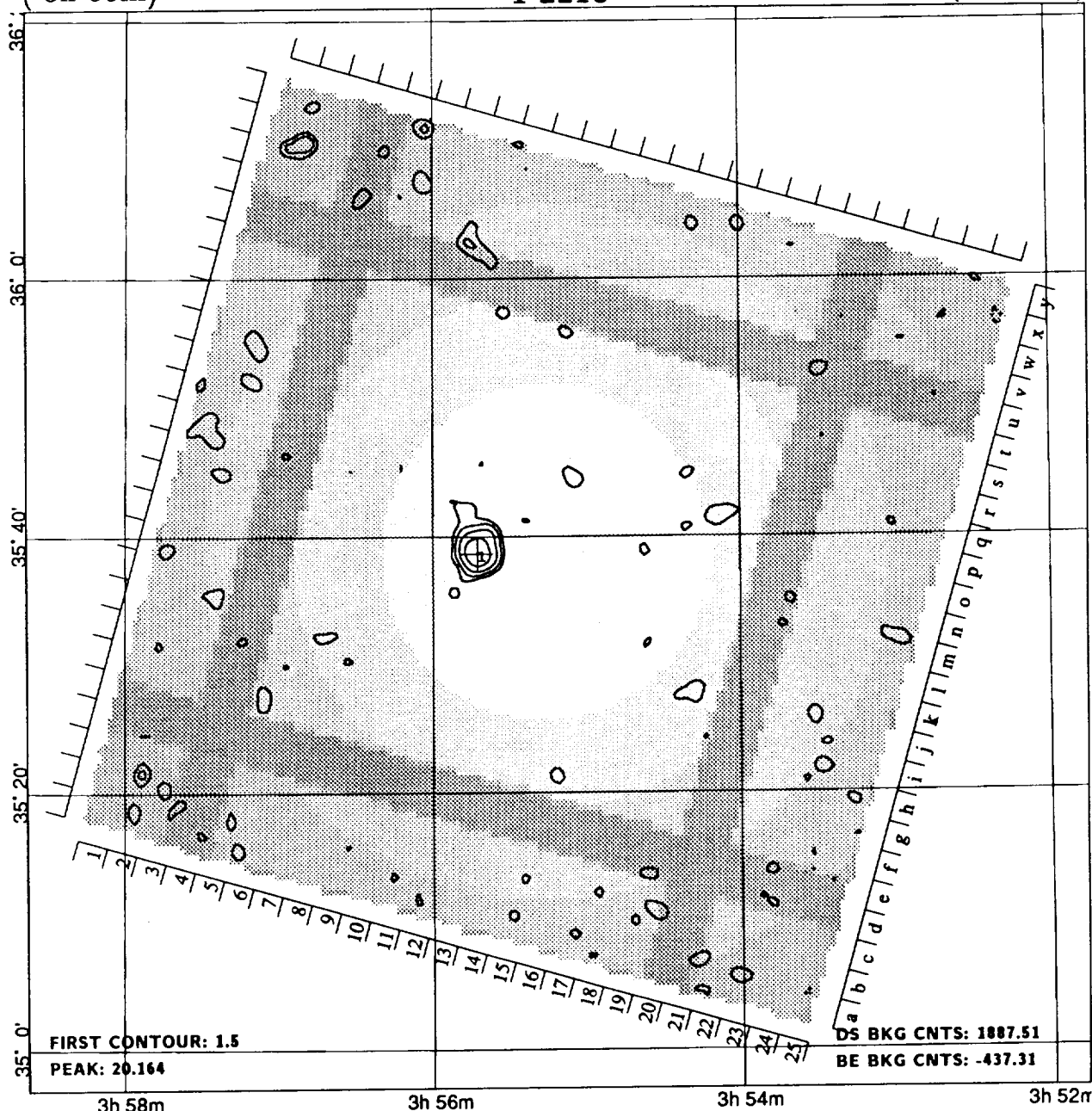
NH: 7.5E+21
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
914	1	03 54 45.5	53 50 48	41	0.00474	0.00089	51.1	40.9	5.3	0.8	0	14.1	S

(3h 55m)

I 2218

(3h 55m)



STELLAR SURVEY-EARLY TYPE STARS: HD24912=XIPER

FIELD CENTER: 03^h55^m12.0^s 35°38'59" (B1950)
 03^h58^m27.0^s 35°47'32" (J2000)
 l : 160.29 b : -13.17

DATE: 1979/253 - 1979/253
 LIVETIME: 1529.5s
 ROLL ANGLE: -74.3°

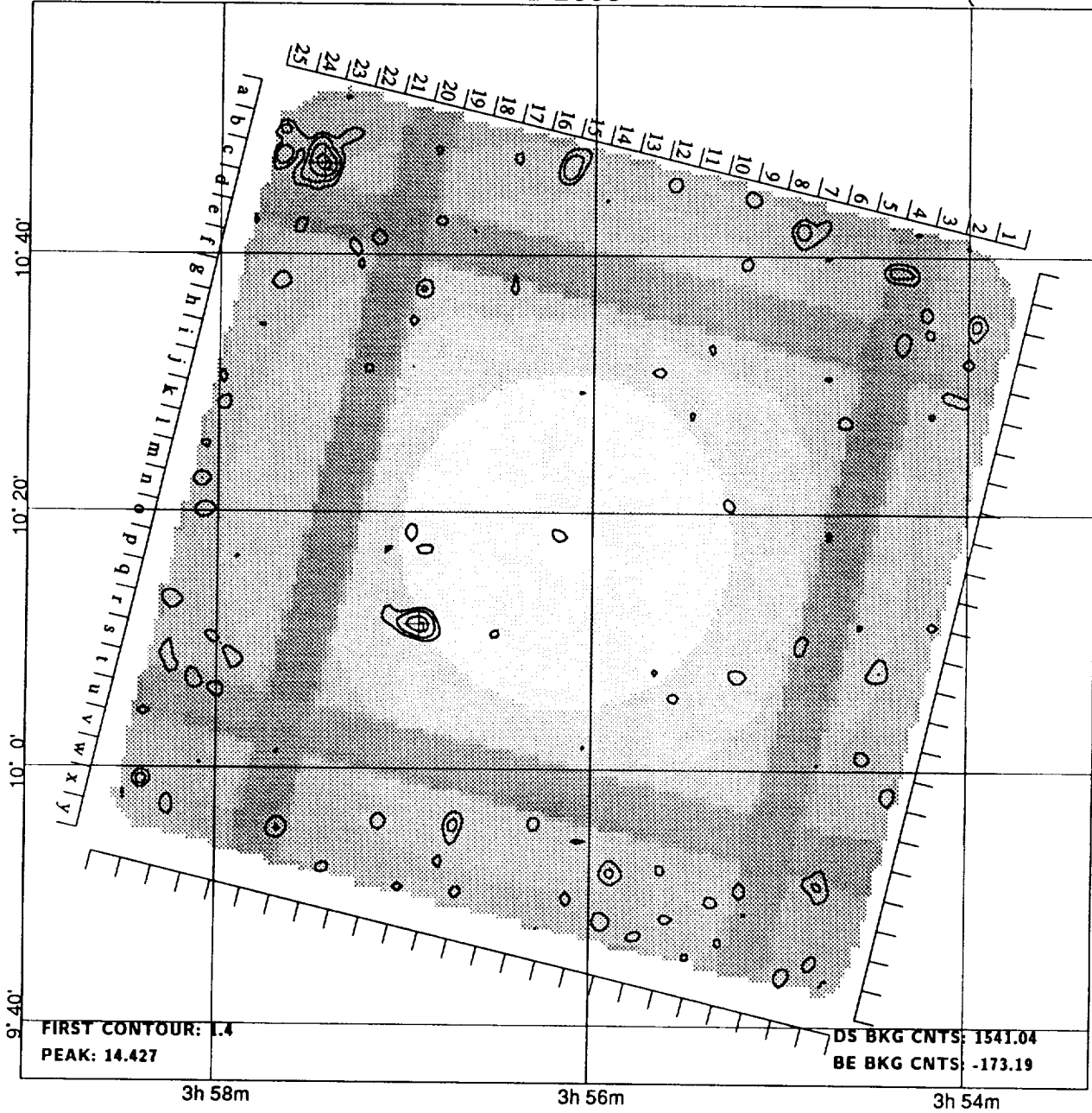
NH: 1.6E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
916	1	03 55 42.6	35 38 40	38	0.0811	0.0088	88.0	4.0	9.2	1.2	0	6.3	H	S

(3h 56m)

I 2683

(3h 56m)



3C 98.0: BRIGHT X-GALACTIC RADIO SOURCES

FIELD CENTER: 03^h56^m10.0^s 10°17'31" (B1950)
 03^h58^m54.2^s 10°26'02" (J2000)
 l : 179.84 b : -31.05

DATE: 1980/ 41 - 1980/ 41
 LIVETIME: 1248.7s
 ROLL ANGLE: 103.4°

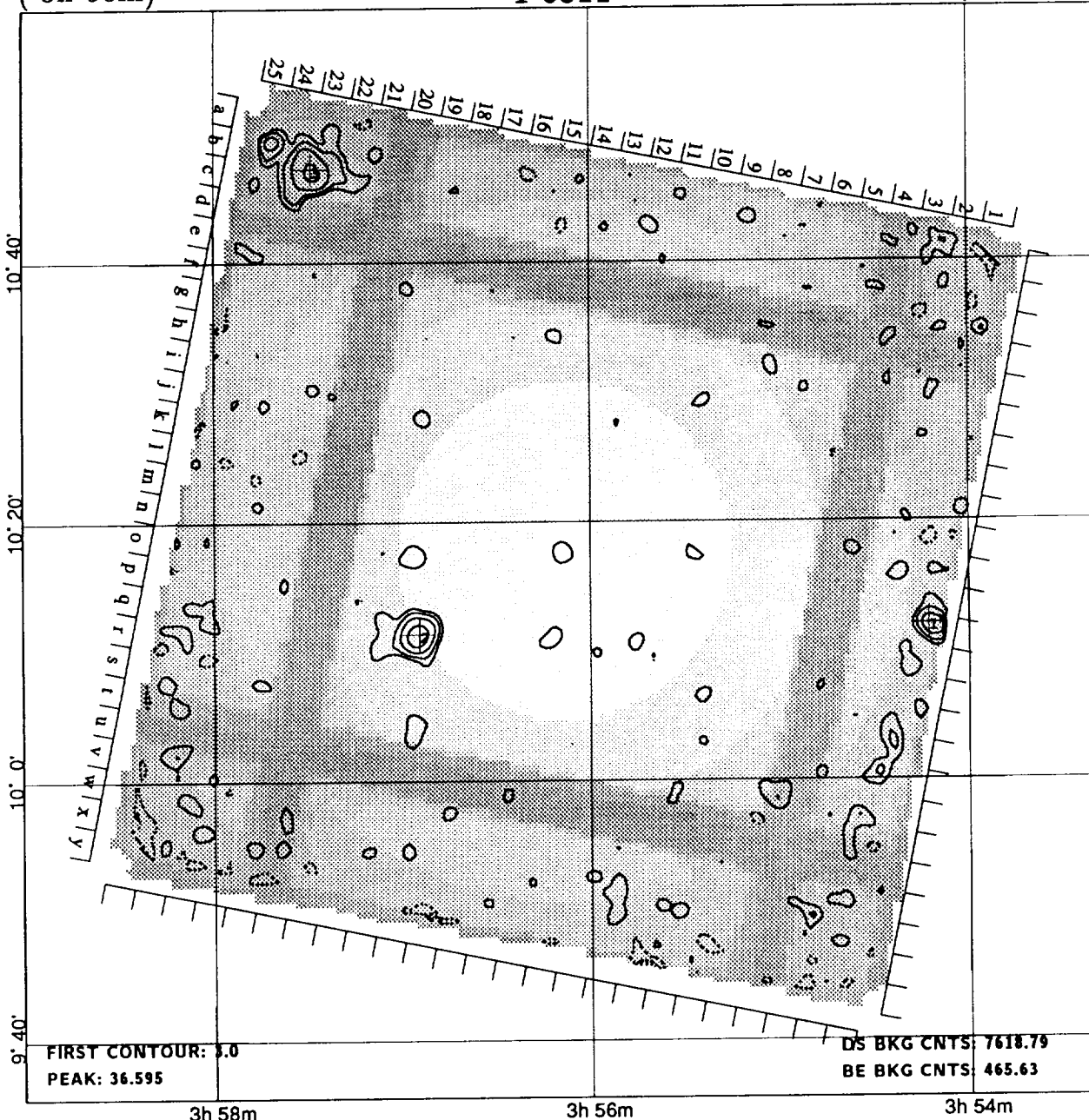
NH: 1.2E+21
 REF/ID:
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
917	1	03 56 55.5	10 11 17	42	0.0338	0.0069	26.2	2.8	4.9	0.9	0	13.0	AH	S
919	2	03 57 27.2	10 47 06	52	0.052	0.013	17.3	1.7	4.0	1.4	500	35.1	AH	AGN

(3h 56m)

I 6311

(3h 56m)



3CR 98, 3CR RADIO GAL. W/SEYFERT-LIKE OPT. SPECTRA

FIELD CENTER: $03^h 56^m 10.2^s$ $10^\circ 17' 31''$ (B1950)
 $03^h 58^m 54.4^s$ $10^\circ 26' 02''$ (J2000)
 $l: 179.84$ $b: -31.05$

DATE: 1980/ 64 - 1981/ 47
 LIVETIME: 6395.4s
 ROLL ANGLE: 101.5°

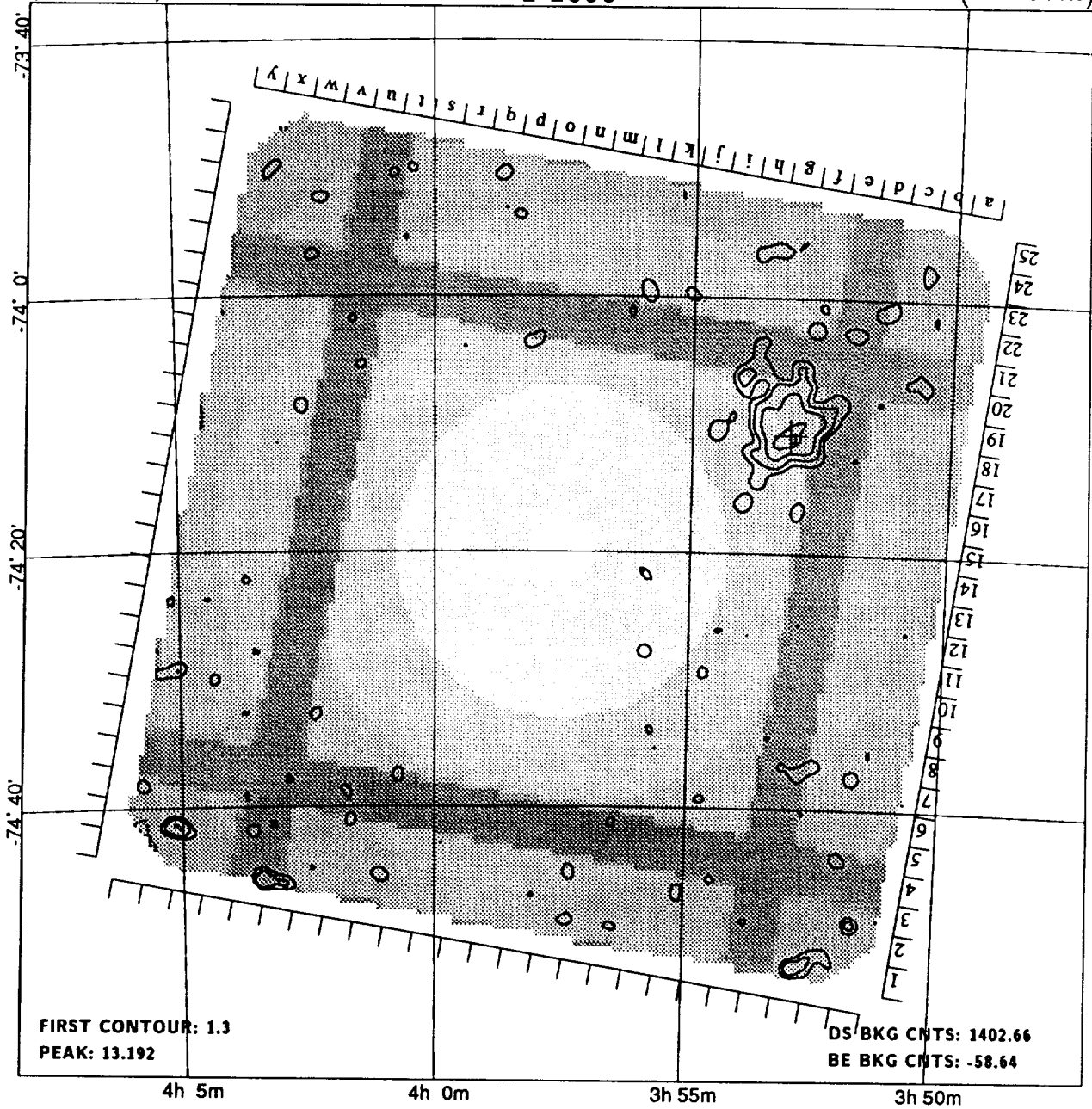
NH: $1.2E+21$
 REF/ID: !
 FIELD FLAGS: C

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE	\pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
911	1	03 54 12.7	10 12 05	51	*0.0133	0.0028	30.1	9.9	4.8	0.8	602	29.4	H	
917	2	03 56 54.7	10 11 24	38	0.0323	0.0030	128.3	16.7	10.7	1.2	0	12.7	AH	S
919	3	03 57 28.9	10 47 11	51	0.0272	0.0044	45.8	10.2	6.1	1.9	100	35.1	AH	AGN

(3h 57m)

I 1099

(3h 57m)



4U0357-74, UNIDENTIFIED HIGH LATITUDE SOURCE

FIELD CENTER: 03^h57^m36.0^s -74°19'29" (B1950)
 03^h56^m45.9^s -74°10'57" (J2000)
 ℓ : 288.58 b : -37.32

DATE: 1979/311 - 1979/311
 LIVETIME: 1136.6s
 ROLL ANGLE: -170.4°

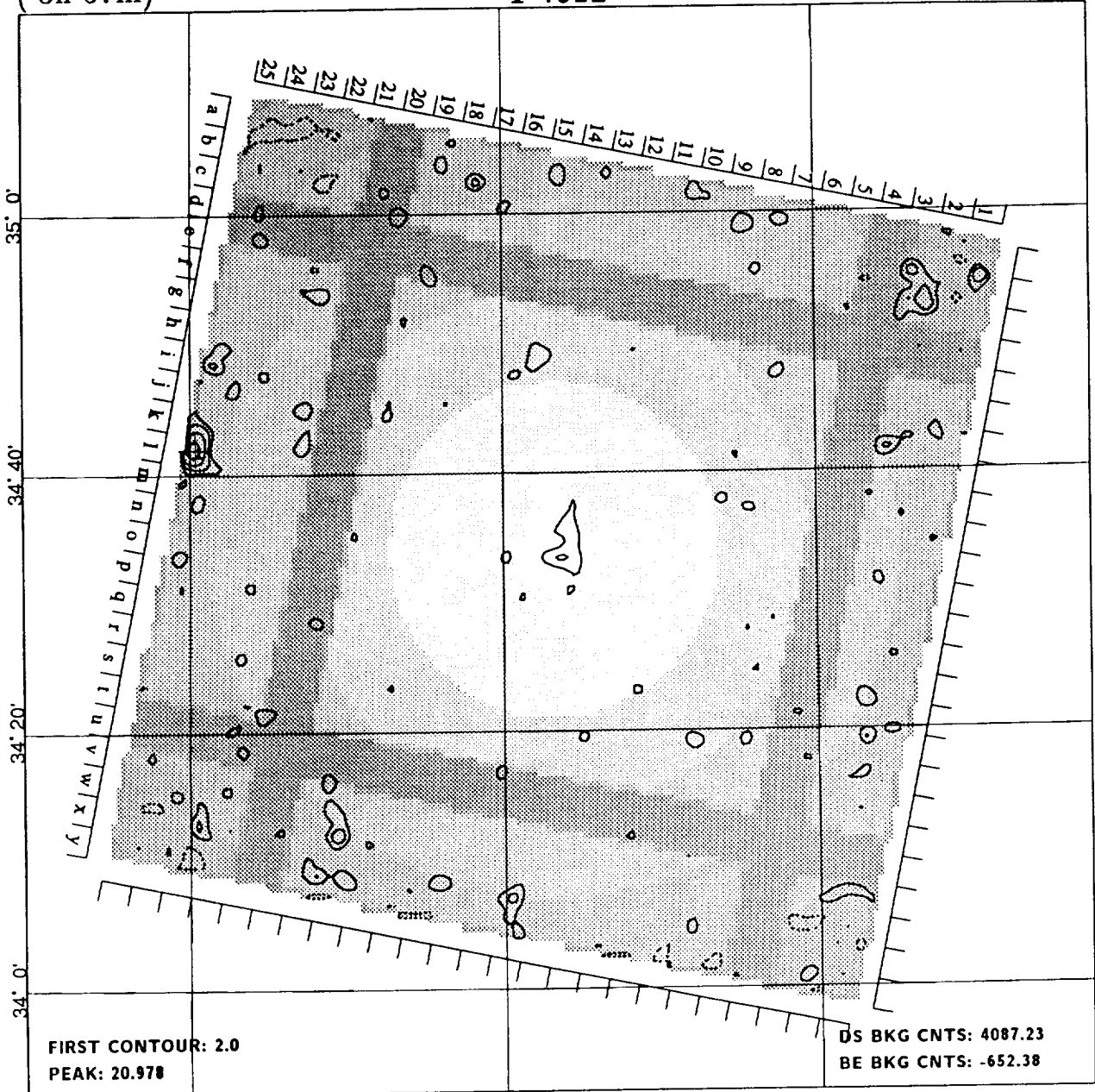
NH: 6.0E+20
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID FLG
908	1	03 53 06.1	-74 10 39	50	0.081	0.012	46.6	2.4	6.7	3.7	0	19.3	AH	

(3h 57m)

I 4612

(3h 57m)



FIRST CONTOUR: 2.0
PEAK: 20.978

DS BKG CNTS: 4087.23
BE BKG CNTS: -652.38

POOR ZWICKY CLUSTER: 0357+345

FIELD CENTER: 03^h57^m40.0^s 34°33'59" (B1950)
04^h00^m53.6^s 34°42'23" (J2000)
l: 161.42 b: -13.65

DATE: 1980/ 52 - 1980/ 52
LIVETIME: 3312.0s
ROLL ANGLE: 101.4°

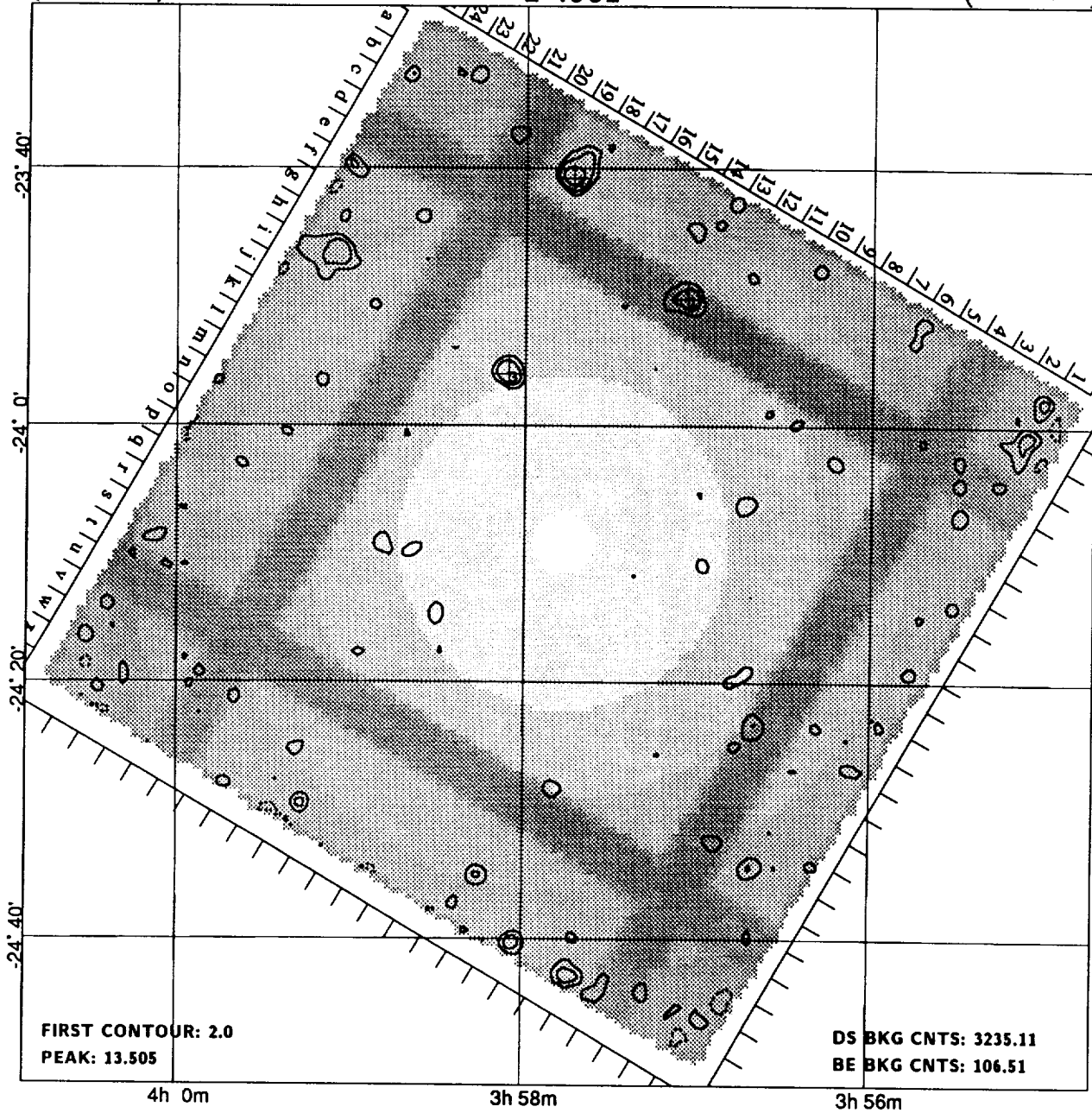
NH: 1.5E+21
REF/ID: G
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE ±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
924	1	03 59 58.0	34 41 56	50	*0.0331 0.0059	35.5	4.5	5.6	1.0	703	29.5	EH

(3h 57m)

I 4901

(3h 57m)



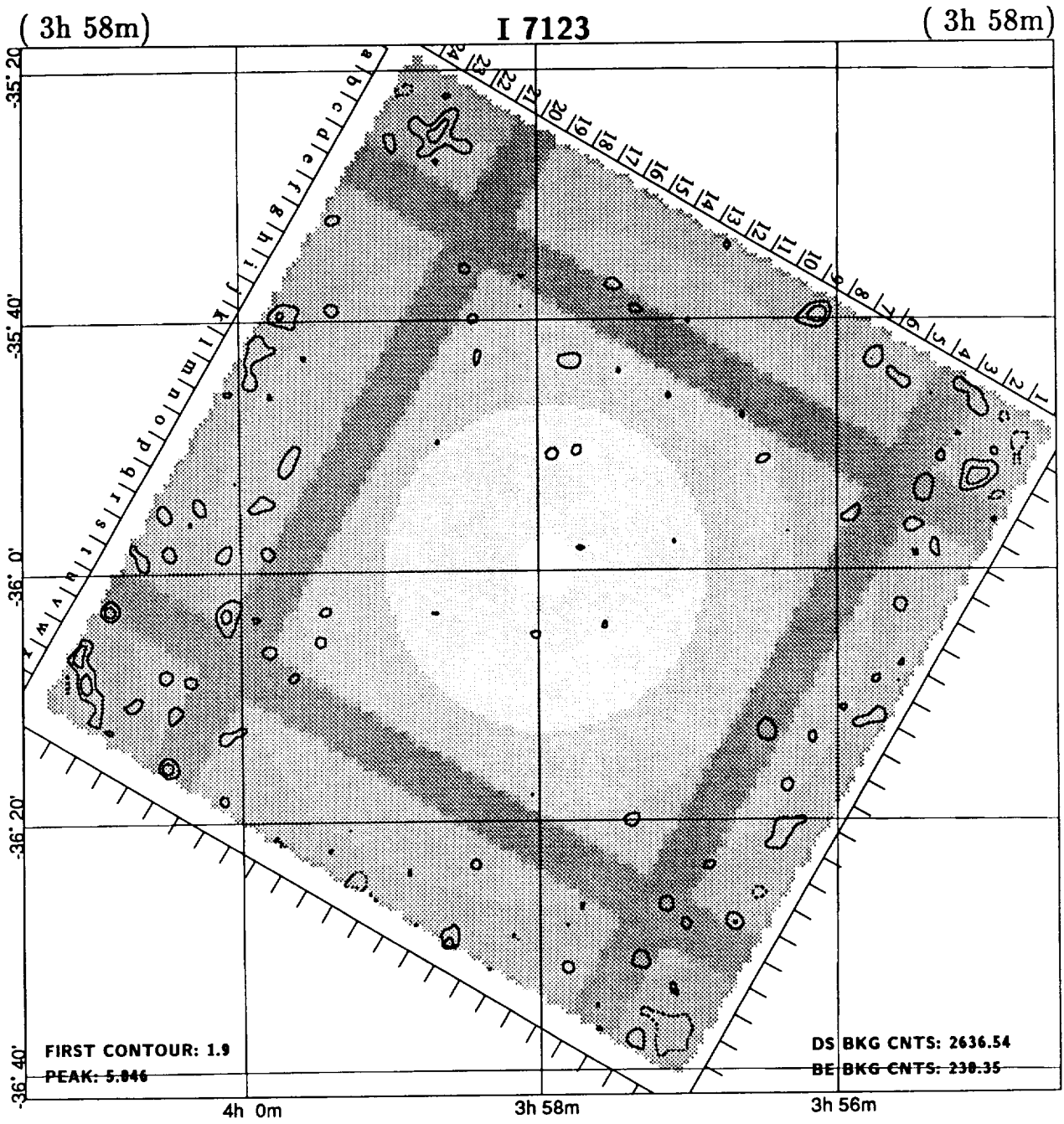
STAR TAU9 ERI (HD 25267), AP STARSS

FIELD CENTER: $03^h 57^m 47.5^s$ $-24^{\circ} 09' 24''$ (B1950)
 $03^h 59^m 55.4^s$ $-24^{\circ} 00' 59''$ (J2000)
 $l: 219.65$ $b: -47.62$

DATE: 1980/ 20 - 1980/ 21
 LIVETIME: 2621.5s
 ROLL ANGLE: 120.1°

NH: $2.8E+20$
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	\pm "	COUNT RATE \pm	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID FLG
918	1	03 57 03.9	-23 50 09	55	*0.0142 0.0037	18.3	4.7	3.8	0.8	1209	21.8	
920	2	03 57 43.5	-23 40 47	51	0.0252 0.0056	24.8	5.2	4.5	1.0	100	28.7	H
921	3	03 58 05.7	-23 56 00	42	0.0149 0.0034	23.9	6.1	4.4	0.7	0	14.1	



H0358-360, UNIDENTIFIED HEAO A2 SOURCE

FIELD CENTER: $03^{\text{h}}58^{\text{m}}00.0^{\text{s}}$ $-35^{\circ}59'59''$ (B1950)
 $03^{\text{h}}59^{\text{m}}51.9^{\text{s}}$ $-35^{\circ}51'34''$ (J2000)
 $l: 237.37$ $b: -49.29$

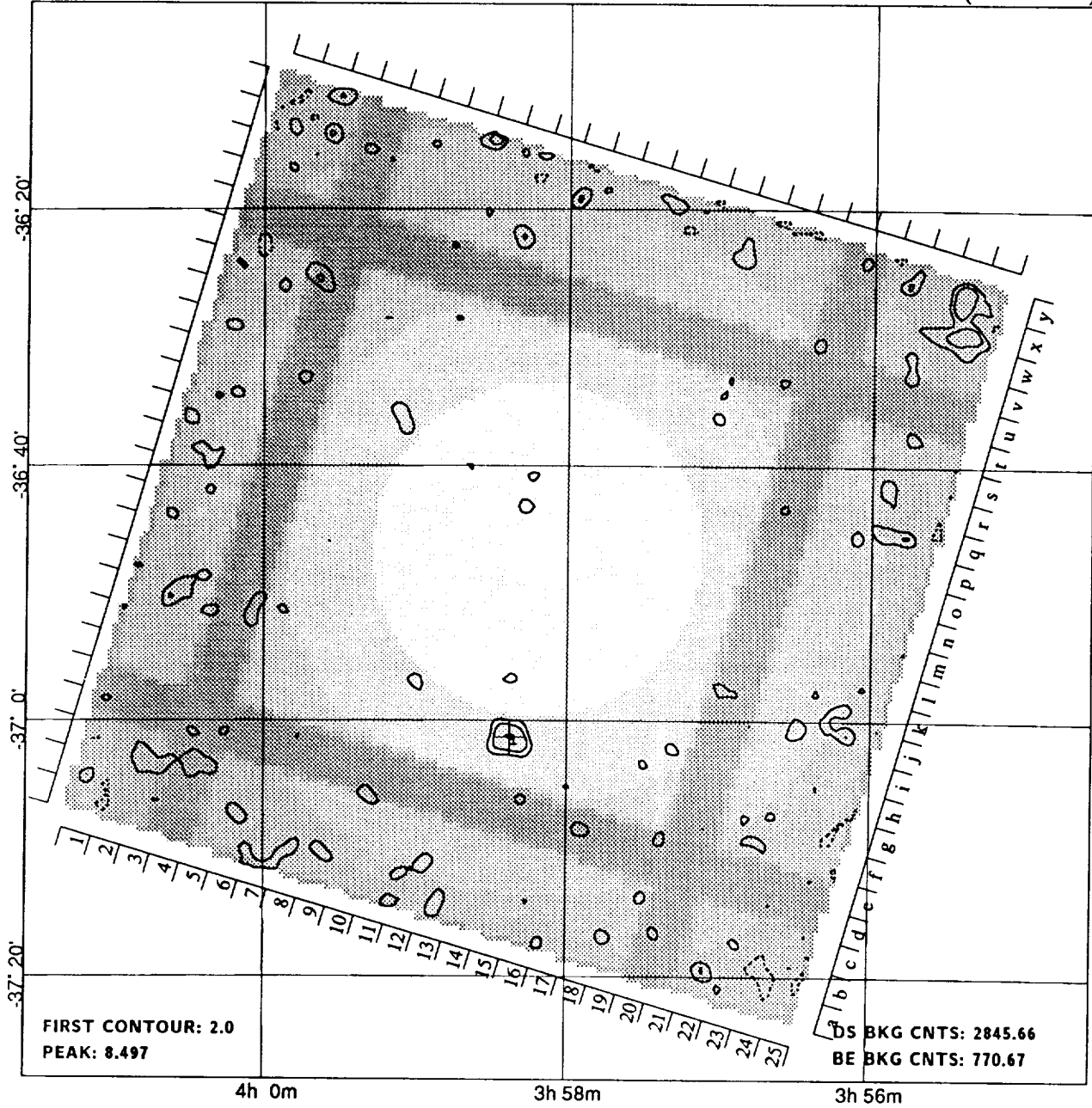
DATE: 1980/ 23 - 1980/ 23
LIVETIME: 2136.5s
ROLL ANGLE: 120.3°

NH: $9.2\text{E}+19$
REF/ID:
FIELD FLAGS:

(3h 58m)

I 4577

(3h 58m)



FIRST CONTOUR: 2.0
PEAK: 8.497

DS BKG CNTS: 2845.66
BE BKG CNTS: 770.67

H0355-37 LOCATION

FIELD CENTER: 03^h58^m03.0^s -36°46'05" (B1950)
03^h59^m53.7^s -36°37'40" (J2000)
l: 238.55 *b*: -49.30

DATE: 1980/225 - 1980/225
LIVETIME: 2305.9s
ROLL ANGLE: -73.7°

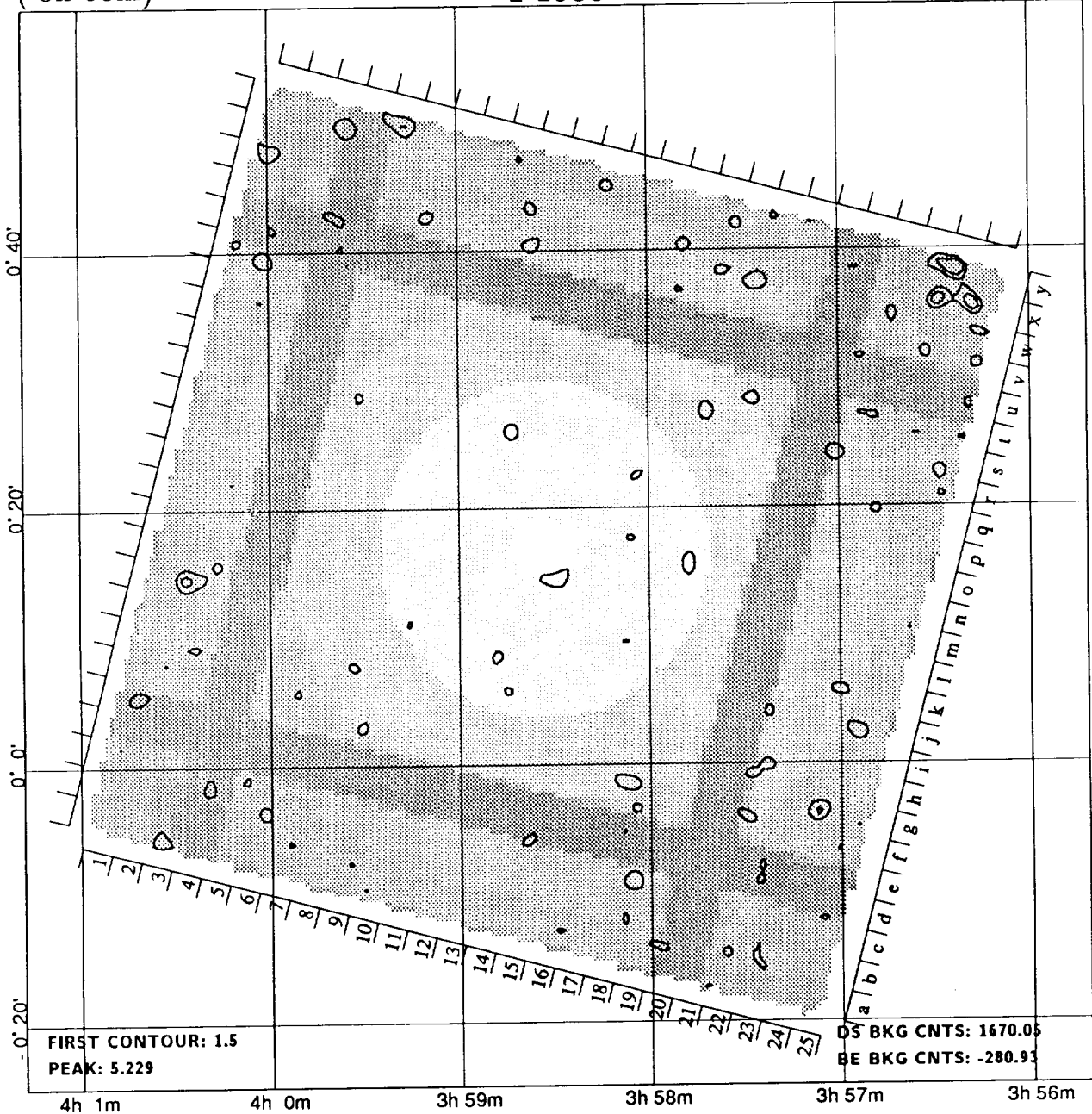
NH: 8.7E+19
REF/ID:
FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC ID	ID FLG
922	1	03 58 22.6	-37 01 16	51	0.0240	0.0046	32.9	7.1	5.2	0.9	0	15.6	H	

(3h 58m)

I 1933

(3h 58m)



3C 99: SEYFERT AND N-TYPE GALAXIES

FIELD CENTER: 03^h58^m30.0^s 00°16'59" (B1950)
 04^h01^m04.1^s 00°25'21" (J2000)
 l : 189.76 b : -36.79

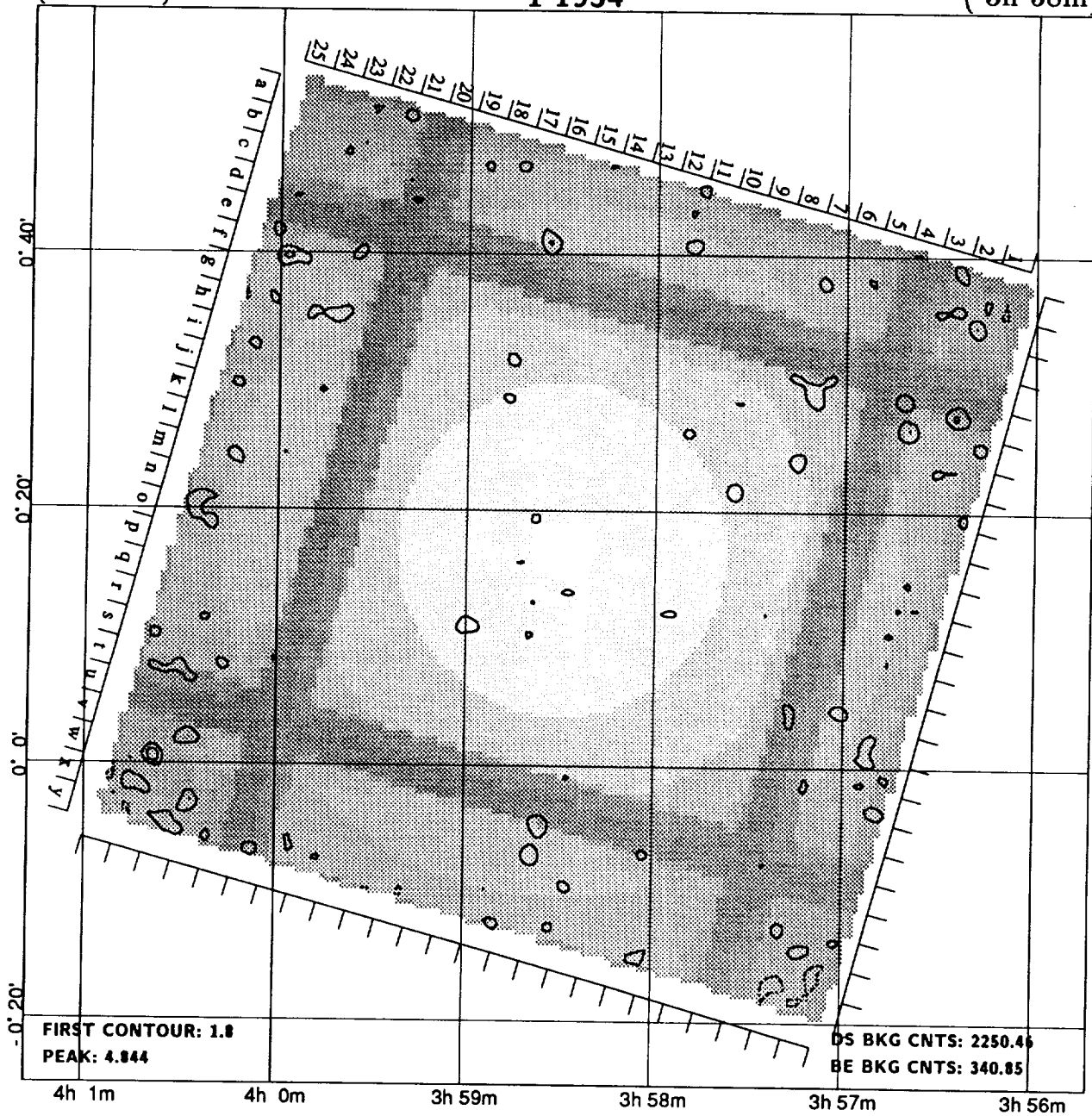
DATE: 1979/225 - 1979/226
 LIVETIME: 1353.3s
 ROLL ANGLE: -75.4°

NH: 1.1E+21
 REF/ID:
 FIELD FLAGS: C

(3h 58m)

I 1934

(3h 58m)



3C 99: SEYFERT AND N-TYPE GALAXIES

FIELD CENTER: $03^{\text{h}}58^{\text{m}}30.0^{\text{s}}$ $00^{\circ}16'59''$ (B1950)
 $04^{\text{h}}01^{\text{m}}04.1^{\text{s}}$ $00^{\circ}25'21''$ (J2000)
 $l: 189.76$ $b: -36.79$

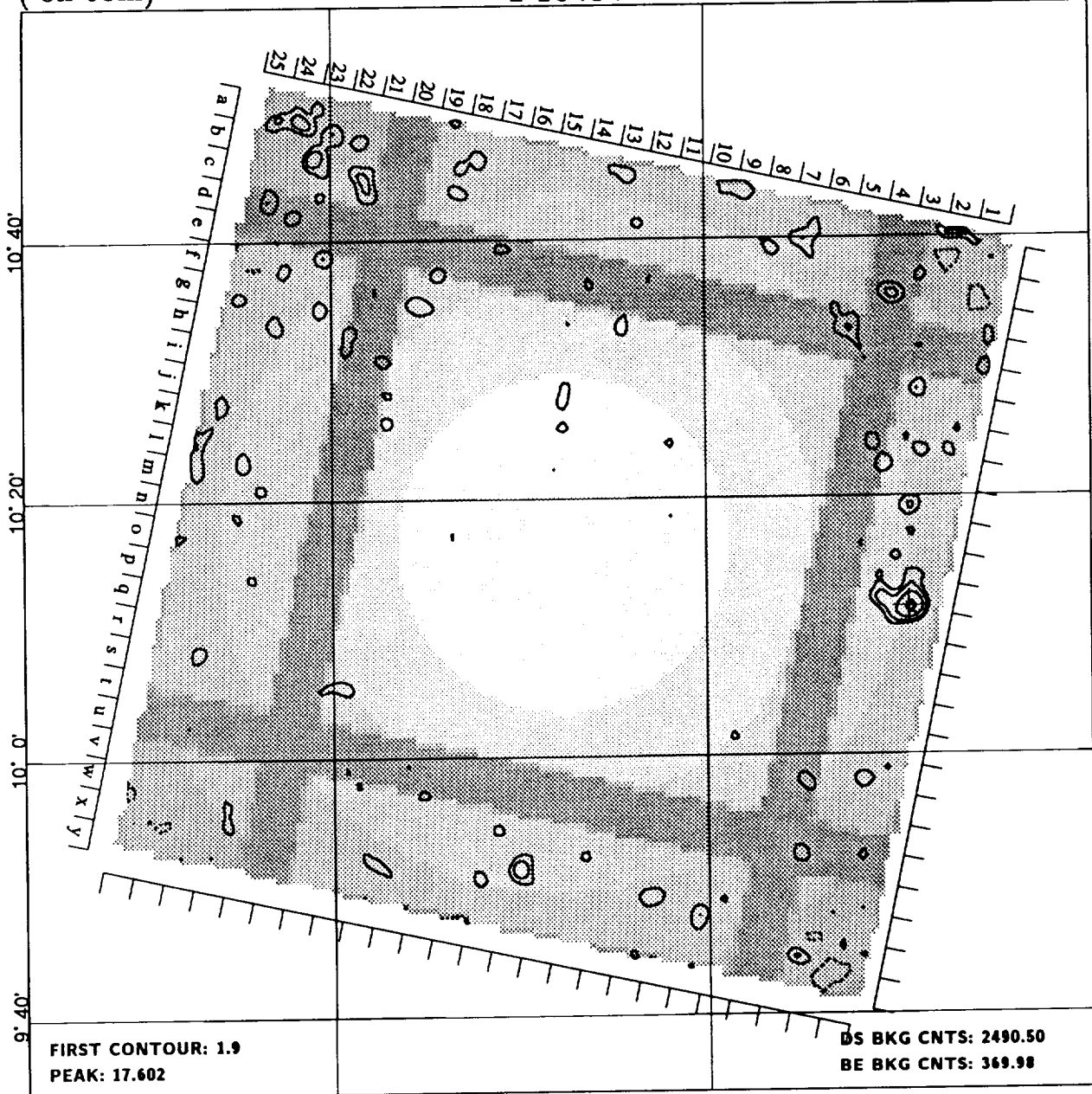
DATE: 1980/ 39 - 1980/ 39
 LIVETIME: 1823.6s
 ROLL ANGLE: 105.4°

NH: $1.1\text{E}+21$
 REF/ID:
 FIELD FLAGS: C

(3h 58m)

I 10434

(3h 58m)



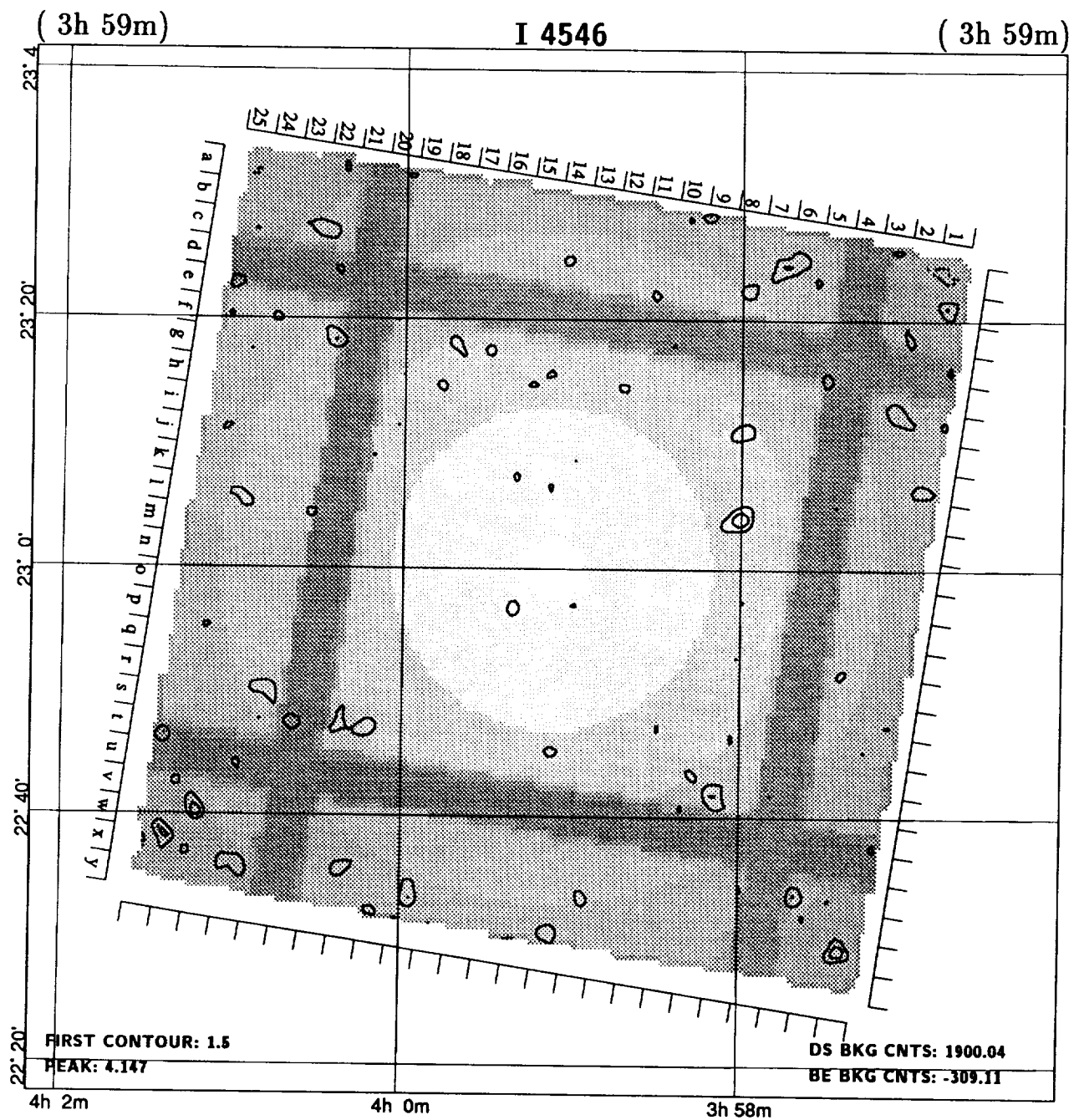
EMPTY FIELD (MISPOINT)

FIELD CENTER: $03^h 58^m 48.0^s$ $10^\circ 15' 59''$ (B1950)
 $04^h 01^m 32.3^s$ $10^\circ 24' 20''$ (J2000)
 $l: 180.35$ $b: -30.58$

DATE: 1981/ 47 - 1981/ 47
 LIVETIME: 2018.1s
 ROLL ANGLE: 102.0°

NH: 1.2E+21
 REF/ID:
 FIELD FLAGS:

CAT #	FLD #	RA (1950)	DEC (1950)	± "	COUNT RATE	±	NET CTS	BKG CTS	S/N	SIZE COR	RECO	R'	SRC FLG	ID
917	1	03 56 55.5	10 11 28	51	0.0423	0.0078	33.2	4.8	5.4	1.1	0	27.9	AH	S



NGC 1497, EL & S0 GAL. WITH COMPACT RADIO CORE

FIELD CENTER: $03^{\text{h}}59^{\text{m}}08.6^{\text{s}}$ $22^{\circ}59'40''$ (B1950)
 $04^{\text{h}}02^{\text{m}}07.0^{\text{s}}$ $23^{\circ}07'59''$ (J2000)
 $l: 170.02$ $b: -21.84$

DATE: 1980/ 61 - 1980/ 61
 LIVETIME: 1539.7s
 ROLL ANGLE: 98.6°

NH: $1.0\text{E}+21$
 REF/ID:
 FIELD FLAGS: