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ROLLER COASTER

PROJECT OFFICERS REPORT—PROJECT 2.3

FALLOUT COLLECTION

Philip W. Krey, Project Officer

Ralph E. Fried
Robert J. Schultz

Isotopes, Inc.
123 Woodland Avenue
Westwood, New Jersey

Issuance Date: August 23, 1965

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ABSTRACT

Integral and time differentiated incremental fallout collectors were exposed after each of the four Roller Coaster events. Each collector exposed a sticky film, two microscope slides, and a planchet. The planchets were alpha radioassayed in the Project 5.1a field laboratory and served as an index for those stations which sampled significant fallout. The sticky films and microscope slides selected for subsequent radiochemical analysis and special particulate studies, respectively, were chosen on the basis of the planchet radioassay. Deposition contours are presented derived from the planchet activities.

Soil cores were taken before and after each event to represent high-, intermediate-, and low-level deposition areas. Only the 0- to 1/2-inch fraction of the core was reserved for subsequent analyses.

PREFACE

Recognition should be given to the men of the 83d Chemical Battalion, Fort Bragg, North Carolina, who participated in Project 2.3. Their excellent performance and unstinting cooperation contributed greatly to the success of the project.

CONTENTS

ABSTRACT ---------- 5

PREFACE ---------- 6

OBJECTIVES ---------- 9

INSTRUMENTATION ---------- 9

Integral Fallout Collectors ---------- 9
General Description and Double Tracks ---------- 9
Integral Fallout Collectors, Clean Slate 1 and 2 ---------- 13
Integral Fallout Collectors, Clean Slate 3 ---------- 14
Incremental Fallout Collectors ---------- 14
General Description and Double Tracks ---------- 14
Incremental Fallout Collectors, Clean Slate 1 ---------- 16
Incremental Fallout Collectors, Clean Slate 2 and 3 ---------- 16
Soil Sampling ---------- 17

STATION LOCATIONS ---------- 18

Double Tracks ---------- 18
Clean Slate 1 ---------- 19
Clean Slate 2 ---------- 19
Clean Slate 3 ---------- 20

OPERATIONS ---------- 21

Station Activation and Sample Recovery ---------- 21
Double Tracks ---------- 21
Clean Slate 1 ---------- 21
Clean Slate 2 ---------- 22
Clean Slate 3 ---------- 24
Collector Decontamination ---------- 25

RESULTS ---------- 25

Integral Fallout Collectors ---------- 25
Double Tracks ---------- 25
Clean Slate 1 ---------- 26
Clean Slate 2 ---------- 27
Clean Slate 3 ---------- 27
Incremental Fallout Collectors ---------- 28
Double Tracks ---------- 28
Clean Slate 1 ---------- 28
Clean Slate 2 ---------- 28
Clean Slate 3 ---------- 29

TABLES

1 Sampling Intervals of Incremental Fallout Collectors, All Events ------ 30
2 Soil Samples, Double Tracks---------- 31
3 Soil Samples, Clean Slate 1---------- 32
4 Soil Samples, Clean Slate 2---------- 33
5 Soil Samples, Clean Slate 3---------- 34
6 Samples Recovered During and After Rain, Clean Slate 2---------- 35
7 Integral Fallout Collector Background Samples, Double Tracks-------- 36
8 Integral Fallout Collector Samples, Double Tracks---------- 37
9 Radioassay of Planchets from Duplicate Stations, All Events --------- 44
10 Integral Fallout Collector Background Samples, Clean Slate 1--------- 46
11 Integral Fallout Collector Samples, Clean Slate 1---------- 47
12 Integral Fallout Collector Samples, Clean Slate 2---------- 55
13 Integral Fallout Collector Background Samples, Clean Slate 3--------- 68
14 Integral Fallout Collector Samples, Clean Slate 3---------- 69
15 Star-Shaped Clusters of Integral Fallout Collector Samples, Clean Slate 3- 81
16 Incremental Fallout Collector Samples, Double Tracks ---------- 82
17 Incremental Fallout Collector Samples, Clean Slate 1 ---------- 82
18 Incremental Fallout Collector Samples, Clean Slate 2 ---------- 83
19 Malfunctions of Incremental Fallout Collector Systems, Clean Slate 3 --- 84
20 Incremental Fallout Collector Samples, Clean Slate 3 ---------- 85

FIGURES

1 Applying resinous solution to integral fallout collector---------- 87
2 Affixing cellulose acetate cover film to integral fallout collector------- 88
3 Cutting out 12-inch-square sample---------- 89
4 Recovery of planchet and microscope slide ---------- 90
5 Activated integral fallout collector---------- 91
6 Incremental fallout collector system---------- 92
7 Trailer-mounted incremental fallout collector system---------- 93
8 Close-in array of integral fallout collectors, all events---------- 94
9 Distant array of integral fallout collectors, Double Tracks---------- 95
10 Distant array of integral fallout collectors, Clean Slate 2---------- 96
11 Star-shaped integral fallout collector cluster---------- 97
12 Fallout contours in ground zero array from planchet radioassay, Double Tracks---------- 98
13 Fallout contours in distant array from planchet radioassay, Double Tracks---------- 99
14 Fallout contours in ground zero array from planchet radioassay, Clean Slate 1---------- 100
15 Fallout contours in distant array from planchet radioassay, Clean Slate 1- 101
16 Fallout contours in ground zero array from planchet radioassay, Clean Slate 2---------- 102
17 Fallout contours in distant array from planchet radioassay, Clean Slate 2- 103
18 Fallout contours in ground zero array from planchet radioassay, Clean Slate 3---------- 104
19 Fallout contours in distant array from planchet radioassay, Clean Slate 3- 105

FALLOUT COLLECTION

OBJECTIVES

Project 2.3 of Operation Roller Coaster was solely a field sampling program. The specific objectives were to collect deposition samples to: (1) determine the concentration of plutonium and uranium per unit surface area as a function of position in a downwind direction from ground zero; (2) provide samples of fallout material for special particle characteristic studies; and (3) determine the accumulation rate of the fallout during cloud passage. These data can be interpreted to determine quantitatively the plutonium deposited in the fallout area, to aid in the assessment of the hazard attendant to such detonations, and to assist in the development of a fallout model for such events. However, such interpretations are reserved for the Data Evaluation Committee of the Scientific Director's staff and are beyond the scope of this project. This report confines itself to the description of the sampling equipment and the field operations at the Tonopah Test Range.

INSTRUMENTATION

Integral Fallout Collectors

General Description and Double Tracks

The integral fallout collector employed by this project is shown

in Figures 1 through 5. It consisted of a 2- by 2-foot 20-gauge galvanized sheet-steel platform supported 2 feet above the ground on removable angle iron legs. The assembly was fixed in position by driving J-hooks into the ground with the hook end overlapping the bottom frame of the angle iron stand.

A 16- by 16-inch square of cellulose sheet, 1-1/2-mil thick, was taped in the center of the platform by 3/4-inch masking tape. A small quantity of adhesive (in the proportions 1 kg of Canada balsam, 1 kg of dibutyl phthalate and 2 liters of acetone) was brushed on to the cellulose to provide an adhesive surface (see Figure 1). To recover the sample, a 14- by 16-inch sheet of cellulose acetate with a No. 730 adhesive surface facing down was placed over the exposed cellophane (see Figure 2). Care was exercised to touch only the outer edges of the cover sheet which were subsequently discarded. The adhesive acetate sheet is available from:

Simon Adhesive Products Corporation
35-02 48th Avenue
Long Island City, New York

It is the same adhesive paper which has been used by the Health and Safety Laboratory, New York Operations Office, USAEC, for many years in its world-wide fallout sampling program. Having covered the sample with the acetate sheet, a 12-inch square steel template was carefully placed on top of the clean, uncontaminated surface presented (see Figure 3). By cutting around the square template with a razor blade safety knife, a 1-square foot area of contaminated surface sandwiched between the cellulose and the acetate films was obtained. Precautions were taken during these operations to reduce the risk of cross contamination.

The sample was then folded three times to yield a 3-inch by 6-inch package. This was inserted into a 6-3/4- by 9-inch wax paper bag which had

been previously taped inside a 9-1/2- by 12-1/2-inch manila envelope. After the sample was placed inside the wax bag, a strip of masking tape was laid across the front of the wax bag and its rear flap, thereby sealing it. The flap of the manila envelope was also taped closed as a further precaution against cross-contamination. For chemical analysis of the sample, it was intended that both sample and sealed paper bag be digested; this approach ensured that any particulate matter which may have been dislodged from the sample was included in the analysis. It is possible that particles falling on the non-adhesive part of the platform were redistributed and accumulated on the edge of the adhesive area. Thus, the sample edge may not have been representative; however, the removal of a 12-inch square from the initial 16-inch square removed this non-representative edge.

Two other sampling devices were exposed on the upwind 4 inches of the platform. One was a 1-1/2-inch diameter planchet coated with the same resinous material as used on the cellophane. The planchets were coated with a fine mist from a spray gun at Isotopes, Inc., prior to departure for the test range. However, the dibutyl phthalate in the thin layer evaporated in the desert climate after an exposure of only a few hours, and the adhesive quality was lost. To overcome this problem, the planchets were brushed lightly with the resin solution upon activation of the station on D-1. This surface then remained adhesive for over a week.

The planchet was recessed so that its surface was flush with the surface of the platform and was held in position by two spring clips on the underside of the platform. This positioning of the planchet minimized any air flow perturbations caused by the planchet itself. On recovery (see Figure 4) a small U-shaped magnet was placed on the underside of the

planchet to serve as a handle for its removal. Needle-nosed pliers were used to hold the uncontaminated 1/8-inch shoulder or ledge of the planchet while the magnet was removed. The planchet was placed in the cover of a shallow 2- by 2-inch individual cardboard box, the bottom of which was fitted with a collar, so that when inserted into its cover, the collar rested only upon the outside 1/8-inch of the planchet. Finally the box was sealed against outside contamination by taping. The contaminated surface of the planchet was untouched in this process and the planchet was firmly held.

The second sampling device was a pair of 2- by 3-inch microscope slides coated with the same resinous material used for other surfaces. The slides were positioned on either side of the planchet and each was covered with a 2- by 3-inch microscope slide with a 0.25- by 0.030-inch cardboard mask cemented along its outer edge. This was attached to the sample slide by two small tabs of pressure tape. Upon activation of the collection site, the cover was removed and reserved. During recovery, the cover slide was repositioned on the sample slide and the two were taped together along their edges (see Figure 4). This provided a dust-tight glass box which was handled easily without danger of breakage or cross-contamination. During the recovery operation, all tools and instruments were decontaminated between each station by wiping them with a tissue.

To provide an adhesive guard area around the slides and planchets, a strip of double-sided pressure tape, 3 inches wide by 18 inches long, was placed along the edge of the platform top; a scalpel was used to cut out a circle in the tape to allow insertion of the planchet (see Figure 5). However, the adhesive surface of the exposed side of the tape deteriorated in the desert heat in a matter of hours, and it required similar treatment as the other surfaces to restore the adhesive quality. The slides and

planchets were coded on their undersides for sample identification, and the manila envelopes containing the tacky film samples were numbered according to the shot, project, and arc location. The cardboard boxes containing the planchets were numbered similarly except that the code number of the planchet was also included as follows: The first number corresponded to the shot involved, No. 1 for Double Tracks, the second to the project, namely 2.3 with the decimal point omitted for convenience. The letter and third number corresponded to the arc location, and the final number to the code number on the underside of the planchet. For example, the planchet box from Station 030 on Arc "N" of the Double Tracks shot was coded 1-23-N-030-455. The planchet itself bore only the code number 455 written on its underside. The slides had only a code number written on the unexposed side, but this number matched the planchet number. Since there were two slides per station each with the same code number, one slide was placed in a microscope slide box and reserved for processing by the UK team while the other was reserved for other special particulate studies. All samples recovered were submitted to the field laboratory, Project 5.1a, for processing, counting if appropriate, and packaging for shipment.

Integral Fallout Collectors, Clean Slate 1 and 2

Experiments conducted between Double Tracks and Clean Slate 1 indicated that the cellulose acetate was more robust than the original cellulose and was more resistant to moisture. Consequently, scattered showers after station layout would cause little damage to the samples. Furthermore, when the acetate was used as the sampling surface, it gave a stronger bond to the covering film during recovery. This produced a better sandwich and lessened the possibility of particles being lost from between the two films. For these reasons, the 14- by 16-inch cellulose acetate was

substituted for the cellophane film as the collecting surface.

Since the 3-inch width of double-sided pressure tape did not present a permanent tacky guard surface surrounding the planchet and microscope slide, it was discarded for the Clean Slate events. The microscope slides were secured to the sampling platform by making a loop of 3/4-inch masking tape. The loop was affixed to the bottom of the slide, and the slide pressed firmly down on the sampling platform. The resinous material was then brushed directly on the metal platform around the slides and planchet to yield the desired adhesive guard area.

Integral Fallout Collectors, Clean Slate 3

Five-mil acetate sheets, 15 by 16 inches, with a No. S-232 permanent adhesive coating available from the Fasson Products Company of Painsville, Ohio, were used instead of the 1-1/2-mil sheets. The only disadvantage of this material was the greater mass of material for ultimate dissolution. The adhesive coating was similar in both cases.

Incremental Fallout Collectors

General Description and Double Tracks

To determine the accumulation rate of the fallout during cloud passage, incremental fallout collectors were designed and fabricated, on the principle of exposing five platforms per collector. Each platform had the same dimensions and sampling surfaces as employed in the integral fallout collector and was protected by a dust-tight cover which was opened and closed by a signal from a timing circuit common to all five units of a set. The timer used was an Eagle Signal Company "HM" Series Multiflex Timer with a 1-rpm ac motor and a total operating cycle of 30 minutes. The timing circuit was powered by a 12-volt battery through a Terado Converter, Model 50134.

The cover of each platform was opened by a gas solenoid, triggered by a signal from the timing circuit. A compressed air tank then supplied air at 35 to 40 pounds per square inch to the opening cylinder of the collector. The tank was pressurized to greater than 1,000 psi; a reducing valve delivered the air at the desired pressure. A 1/4-inch lip extended along the front edge of the collector to protect the exposed sample while the cover was opening. As the cover was retracted, a system of lift rods raised the sampling platform so that it was flush with the frame of the collector. At the end of the backstroke of the cover, a microswitch was activated which broke the circuit to the opening solenoid. The solenoid closed and the compressed air was shut off. A similar sequence of events occurred during the closing of the cover. In the closing action, the sampling platform dropped at first and was subsequently raised at the end of the closing stroke to make a dust-tight seal with the foam gasketing material affixed to the bottom of the cover. This seal was tested by exposing a set of incrementals with sticky films emplaced for 2 weeks at the test range. The sampling surfaces were checked periodically and no visible dust was observed. A system of five incremental collectors with gas cylinder, timer box, and battery is shown in Figure 6. A small piece of thread was taped across the rear end of the track in which the cover bearing rolled. If the thread was broken, it was proof that the collector opened.

The equipment was activated remotely from the end of the array arc at a time determined by the Scientific Director's staff and was based on the wind speed observed at shot time. The time intervals for each increment were as follows:

INCREMENT NUMBER	EXPOSURE TIME, MINUTES
1	2
2	1
3	1
4	2
5	3

Each timer was adjusted and checked twice; the time increments agreed to within ± 1 second in all cases. Because of the small number of systems employed, it was necessary that they be capable of being moved shortly before H-hour to position them in the optimum location. For the Double Tracks event, this was accomplished by dismantling the system and transporting the units in the bed of 2-ton trucks to the desired location. The units were then unloaded and reassembled. After Double Tracks, flat-bed trailers were obtained from Project 4.1, and one set of sequential collectors was set on each. Thereafter, a trailer was simply parked at the assigned station, connected to the remote switching circuit, and checked.

Incremental Fallout Collectors, Clean Slate 1

To facilitate the relocation of the incremental fallout collection systems just prior to H-hour in order to intercept the cloud, 10 of the 12 systems were mounted on trailers (see Figure 7). The time between Double Tracks and Clean Slate 1 did not permit the mounting of all 12 systems on trailers. The collectors were affixed to a plywood deck which rested upon six inflated truck inner tubes to give an air-cushioned ride. The collecting surfaces which were exposed were approximately 1 foot from the edge of the trailer facing ground zero. The battery, timer box, and compressed-air tank were also mounted such that each trailer represented a complete system.

Incremental Fallout Collectors, Clean Slate 2 and 3

The last two incremental fallout collectors were mounted on trailers so that all 12 systems were mobile. In addition, steps were taken to ensure better performance of these systems. The Multiflex Timer was

discarded and replaced by a CP Clare direct-drive switch, Model A-27523.

These systems had to be operated manually during cloud passage by a manned station at the end of the arc on which they were located. Project 2.2 had a manned station to turn its air-sampling equipment on and off on the same arc on which the incremental fallout collectors were installed. As in previous shots, the samplers of Project 2.2 were turned on at about H-5 minutes. This circuit closure stepped the switch to its first position, which was bare. Mobile cloud detection teams in the downwind array during cloud passage notified the Control Point of the fallout arrival times at various locations. Based upon this input data, the Scientific Director instructed the manned station to break and remake the circuit at cloud arrival time minus one minute. This closure stepped the switch to its second position, which activated the dc-to-ac converter. The next circuit closure at cloud arrival time performed by the manned station stepped the switch to its position number 3, which opened the first unit of the incremental system. A further circuit closure stepped the switch to position number 4, which opened the second unit of the incremental system and closed the first unit. This process continued until the eighth and ninth closures of the remote wiring system closed unit number 5 and turned off the power at each incremental fallout collector station, respectively. The exposure time of the incremental units was the same as for the other shots. A stopwatch was used to indicate the time of switch closure after the initial notification by the Scientific Director; the times were probably accurate to within 1 second.

Soil Sampling

To compare the fallout collection by the sticky film surface to that of the undisturbed surface of the desert, postshot soil samples were

taken near the integral fallout collector sites by coring to a depth of 6 inches. Preshot samples were also collected for background assay and particulate size spectrum determinations. A 10-inch-diameter cylinder with a wall thickness of 1/32-inch was forced into the ground by gradually applying pressure to the upper flange plate of the cylinder. The pressure was applied by jacking up a 1-1/2-ton truck with a bumper jack, the base of which rested on the upper flange plate of the cylinder. The cylinder was recovered and the sample later extruded. Since the fallout debris was limited to the upper surfaces of the soil only, depth profiles were not taken. The 1/2-inch fraction was extruded, canned, and coded; the remainder was discarded. After each extrusion the equipment was thoroughly decontaminated by brushing and vacuum cleaning to eliminate cross-contamination.

After the surveys of Project 2.5 were completed, the collection sites of the soil samples were selected to span the range from low to high level deposition areas. Soil samples were taken at 10 percent of those fallout collection sites which were expected to give positive results.

STATION LOCATIONS

Double Tracks

638 integral collectors were exposed for the Double Tracks event including 16 duplicate stations; 56 background samples were also exposed prior to the shot. The station layout for the integral collectors is shown in Figures 8 and 9.

Twelve incremental systems were installed along Arc L , 17,500 feet from ground zero at every four stations from L-038 to L-082. However, shortly before H-hour, one system was relocated from Station No. 082 to 034. The sampling intervals of each increment relative to H-hour are

listed in Table 1.

A list of the background and postshot soil samples for the Double Tracks event is given in Table 2. In addition to the normal sample coding which was described earlier, a number in parentheses was also included to reflect the chronological order in which the samples were taken.

Clean Slate 1

638 integral collectors were exposed for the Clean Slate 1 event including 16 duplicate stations; 10 background samples were also exposed prior to the shot. The integral fallout collector layout was similar to the one used in Double Tracks, except that the collectors from Arc R were relocated on Arc O (28,500 feet).

Twelve incremental systems were installed along Arc L, 17,500 feet from GZ, at every four stations from L-022 to L-066. Shortly before H-hour, the four stations from 066 through 054 were relocated to Stations 006 through 018. The sampling intervals of each increment relative to H-hour are listed in Table 1. A list of the background and postshot soil samples for the Clean Slate 1 event is given in Table 3.

Clean Slate 2

638 integral collectors were exposed for Clean Slate 2 event; no background samples were taken prior to the shot. The close-in array was the same as that exposed for the other shots; the distant array is shown in Figure 10. In order to investigate the reproducibility of sampling and the variation in the deposition with small distances both in the downwind and crosswind directions, a three-point star-shaped cluster was deployed at Stations H-030, H-060, and H-090. This cluster and numbering system are illustrated in Figure 11. Since each cluster represented an additional 9

collectors, a total of 27 collectors had to be relocated from other parts of the array. The last three stations on the western side of each of the nine arcs were repositioned. Therefore, the stations along Arcs C through L, numbered from 000 to 114 only; Arc B numbered from 000 to 108.

Twelve incremental fallout collector systems were deployed along Arc F, 7,500 feet from ground zero at every fourth station from F-038 to F-082. Shortly before H-hour the four systems from Stations -070 through -082 were relocated to Stations -022 through -034. On previous shots there was not enough time to check out the instrumentation after it was relocated. However, the direct-drive switch circuitry permitted very rapid checkout, so that minor adjustments were made after relocation. In addition, all the connections were inspected before leaving the station to guard against short circuits. The sampling intervals of the incremental systems relative to H-hour are listed in Table 1. The background and post-shot soil samples which were recovered at the shot are given in Table 4.

Clean Slate 3

The integral fallout collector array for Clean Slate 3, including duplicate stations and star clusters, was the same as that employed for Clean Slate 2. In addition, background samples were taken before the shot.

The 12 incremental fallout collector systems installed along Arc F, 7,500 feet from ground zero, were relocated shortly before H-hour to the following stations: 016, 024, 032, 042, 050, 058, 066, 074, 082, 092, 098, and 104. The sampling intervals of these systems relative to H-hour are listed in Table 1. A list of the background and postshot soil samples for Clean Slate 3 is given in Table 5. Since Projects 2.1 and 2.5 had extensive instrumentation at CP-05, a soil sample was taken at that station for correlation between the various sampling methods and measurements.

OPERATIONS

Station Activation and Sample Recovery

Double Tracks

The integral and incremental fallout collectors were activated on 12 May in anticipation of a shot at 0100 PDT on 13 May. A delay was called until 0255 PDT on 15 May, so that the initial activation of stations occurred on D-3. On D-1 all stations were inspected and adjusted if necessary. The cellophane was replaced or recoated with resin solution except for a few stations which were still in good condition. The microscope slides and planchets were cleaned with isopropyl alcohol and recoated where the surfaces exhibited heavy dust contamination. The adhesive was also applied to the guard area surrounding the planchet and slides.

Recovery of the fallout collector samples began at about H+4 hours and was not complete until about H+32 hours. Samples from all stations in the GZ array and Arc B were recovered; samples from Stations 030 to 070 were recovered on all the other arcs. Since the hot line was close to Station 050, Stations 030 to 048 were recovered first, and then Stations 070 to 050 were recovered last on all arcs to minimize the possibility of cross-contamination.

Recovery of the soil samples began on D+1 and was complete by D+2. Extruding and canning of the samples began on D+3 and were complete by D+4.

Clean Slate 1

The integral and incremental fallout collectors were activated in anticipation of a shot at 0100 PDT, on 23 May 1963. A shot delay was called until 0417 PDT, on 25 May 1963, so that the initial station activation occurred on D-3. As with Double Tracks, all stations were in-

spected on D−1 and adjusted if necessary. At stations where there was a heavy dust burden, the slides and planchets were cleaned with isopropyl alcohol and recoated with the adhesive material.

Recovery of the fallout collector samples began at about H+3 hours. Since the cloud traversed the east side of the array, the acetate cover films were placed over the exposed sample sheets on all arcs from Stations 000 to 060 and on all stations in the GZ array. This procedure minimized the risk of contamination due to resuspension. After all the cover films were laid down, recovery of Samples 000 through 050 on all arcs and all of the samples in the GZ array began. This was complete by about H+14 hours. The recovery of Samples 050 through 060 on all arcs was accomplished by 1200 PDT, on D+1.

Recovery of the soil samples began on D+2 and was complete by D+3. Extruding and canning of the samples began on D+4 and was complete by D+5.

Clean Slate 2

The integral and incremental fallout collectors were activated on 30 May for the shot which occurred at 0347 PDT, 31 May 63. The maximum length of time that the collecting surfaces were exposed was about 14 hours before H-hour.

Recovery began at about H+3 hours. Because of the extensive fallout pattern which developed from this shot, the Scientific Director's staff instructed that all the collector films be protected with cover films before sample recovery operations commenced. The recovery parties also laid the cover slide upon each microscope slide at the same time. Some recovery parties, but not all, recovered the slide and planchets during the initial period of laying down the acetate cover film.

At about 1200 on D-day a very heavy rain storm occurred in the Clean Slate 2 array and damaged all uncollected slide samples. The rain seeped under the microscope cover slides, apparently washing off the particles and some of the resinous material. The cardboard masks of the cover slides were saturated with water and pulled away from the slides. An attempt was made to recover a few of the slides during and after the rain without success; and all slides not recovered before the rain were discarded.

The same situation resulted with the unrecovered planchets which were completely exposed to the rain. The surfaces of the planchets looked perfectly clean, with no evidence of any particulate matter. Nevertheless, all the planchets were recovered after the rain with the concept of submitting a few of these suspect samples from each arc for radioassay. If little or no activity was found, the remainder of the suspect planchets was to be discarded. If reasonable activity levels were found on these test planchets, the remainder was to be submitted for counting. However, before the results of these radioassays were available, the suspect planchets were inadvertently discarded.

All the acetate films were recovered but only 27 percent of them before the rain. Water had seeped beneath the tape, between the sample sheet and the collector platform. When this water evaporated, it buckled the acetate film. Water also seeped in between the two sheets of acetate, possibly damaging the sample to some extent. The acetate film itself is relatively impermeable to water; the only way the water could have seeped in was through small spaces between the sheets, which were not bonded together completely. The extent of the damage to the integrity of the film samples is unknown; however, the samples should be viewed with suspicion until

some evidence of their validity is obtained. A summary of the samples that were recovered after the rain is given in Table 6. When all or none of the specific collecting surfaces on an arc were recovered, the total number or zero is reported in Table 6. If only a portion of the collecting surfaces was recovered, the number recovered is reported, along with the stations involved in parentheses.

Recovery of the soil samples began on D+1 and was complete by D+2. Extruding and canning of the samples began on D+3 and was complete by D+4.

Clean Slate 3

The integral and incremental fallout collectors were activated on 7 June in anticipation of a 0100 H-hour on 8 June 1963. The shot was postponed until 0330 PDT, 9 June, so that the initial activation occurred on D-2. The collecting surfaces were inspected on D-1 and adjusted if necessary.

There was a great deal of rain during the week preceding the shot, so that the soil was quite moist. In the hours before dawn, a heavy dew condensed upon the fallout collecting surfaces, but the surfaces were undamaged. During the actual fallout of the particulate matter after the shot, the collecting surfaces were wet; however, it is doubtful that the moisture had a significant effect upon the collection efficiency of these surfaces. Recovery did not begin until all collection surfaces were dry, which was about 0800 on D-day. The cover sheets were placed over the acetate collection films at all stations before any films were recovered; the planchets and microscope slides were recovered at the same time that the cover sheets were laid down. It was hoped that this procedure afforded the

maximum protection against resuspended contamination to all the collecting surfaces involved. Recovery was complete by 1400 on D-day.

Soil sampling began on D+1 and was complete by D+2. Extruding and canning the samples began on D+3 and were finished the same day.

Collector Decontamination

After sample recovery was complete, the collector tables were retrieved from the contaminated area and decontaminated. For the integral fallout collectors, this involved an initial cleansing with high-pressure water hose. The table tops were then scrubbed with a wire brush and kerosene to dissolve the remnants of any masking tape or resinous material. The final decontaminating step was cleaning with a high-pressure steam jet. After cleaning, each group of 10 tables was swipe-tested for residual contamination. The maximum activity recorded on the swipes was about 15 dpm. All the legs were swipe-tested in groups of about 50, with a similar result.

Both the covers and trays of the incremental collectors were wiped clean with isopropyl alcohol. Since they were located in a fairly low deposition contour, the amount of contamination was small. Swipe-testing following decontamination also indicated the absence of any significant contamination.

RESULTS

Integral Fallout Collectors

Double Tracks

The samples which were recovered from the integral fallout collectors, along with their code numbers and the Tracerlab handling record numbers, are given in Table 7 for the background samples and in Table 8 for the Double Tracks samples. The radioassay of the background planchets reflected no detectable activity. The alpha activities of the planchets from the

Double Tracks shot determined from a 3-minute counting period are given in Table 8. These data, converted to micrograms of plutonium per square meter, are plotted in Figures 12 and 13 for the GZ and distant arrays, respectively. The radioassay of planchets from duplicate stations by Zn S scintillation counting is given in Table 9. In some cases the statistical error from a 3-minute count is large enough to explain the discrepancies. In other cases, the deviations point up to the uncertainties in sampling with an exposed area as small as 1.77 square inches.

The conversion of counts per minute to disintegrations per minute was made by counting standard planchets prepared by Isotopes, Inc., for the project. A standard solution of Plutonium-239 obtained from Brookhaven National Laboratories was deposited by evaporation on blank planchets. These standards were then radioassayed on calibrated alpha scintillation counters. The empirical value determined from the radioassay agreed with the amount deposited to within $\pm$ 2 percent. Three such standards were prepared. Based upon these standards and neglecting the self-absorption self-scattering effects which are anticipated to be significant for Roller Coaster samples, the counting efficiency used for the test samples was approximately 16 percent.

Clean Slate 1

The samples which were recovered from the integral fallout collectors, along with their code numbers and the Tracerlab handling record numbers, are given in Table 10 for the background samples and in Table 11 for the Clean Slate 1 samples. The radioassay of the background planchets reflected no detectable activity. The alpha activities of the planchets from the Clean Slate 1 shot determined from a 3-minute counting period are given in Table 11. These data are plotted in Figures 14 and 15 for the GZ and distant

arrays, respectively, as micrograms of plutonium per square meter.

The duplicate stations at Clean Slate 1 were essentially the same as those employed at Double Tracks extending from 046 through 074 on appropriate arcs and at two sites in the Charlie grid. The fallout pattern developed to the east of these stations at Clean Slate 1, so that only the planchets from the two sites in the Charlie grid were counted. The radioassay of these planchets is presented in Table 9.

Clean Slate 2

The samples which were recovered from the integral fallout collectors, along with their code numbers and the Tracerlab sample handling record numbers, are given in Table 12. The alpha activities of the planchets recovered before the rain determined from a 3-minute counting period are also given in Table 12. These data, converted to μg of Pu per M^2, are plotted in Figures 16 and 17 for the GZ and distant arrays, respectively.

Clean Slate 3

The samples which were recovered from the integral fallout collectors, along with their code numbers and the Tracerlab handling record numbers, are given in Table 13 for the background samples and in Table 14 for the Clean Slate 3 samples. The radioassay of the background planchets reflected no detectable activity except for the three samples indicated in Table 13. The alpha activities of the Clean Slate 3 planchets determined from a 3-minute counting period are also given in Table 14. These data converted to μg of Pu per M^2 are plotted as contours in Figures 18 and 19 for the GZ and distant arrays, respectively. The radioassays of the planchets from duplicate stations by ZnS scintillation counting are reported in Table 9. The data from the star clusters on Arc H are reported in Table 15.

Incremental Fallout Collectors

Double Tracks

Of the 12 incremental fallout collectors installed in the field, only 2 functioned properly through the entire 5 increments. The failure of the other 10 units is attributed to shorts in the connections on the remote system, shorts in timer circuit, and mechanical difficulties. All the systems were checked after the shot by manually closing the relay at each station, and every system functioned satisfactorily except the two which had mechanical faults. The data concerning the systems which functioned properly and from which samples were recovered are given in Table 16.

Clean Slate 1

None of the four relocated stations operated, either as a result of mechanical defects or shorts in the plugs in the remote wire system. It was not possible to check the mechanical operation of the equipment because of the brief time allowed for its relocation. However, many of the systems which were not relocated also gave poor performances. The three systems at Stations 030, 046, and 050 operated perfectly, while the system at Station 042 yielded four good samples out of the five increments. None of the samples from the collectors which failed to open or close were recovered. The data of the samples which were recovered are given in Table 17.

Clean Slate 2

Ten of the 12 incremental fallout collector systems functioned perfectly during cloud passage. At Station F-034, Increment No. 1 was collected, but Increment No. 2 stayed open and the remaining increments were not exposed. This behavior is unexplainable because the system was rechecked after the shot by manually closing the EGG DN-11 relay, and F-034 operated perfectly. At Station L-066 mechanical failure prevented increments

No. 2 and 5 from opening; Increments No. 1, 3, and 4 operated properly and were recovered. The data from the incremental fallout collector samples are given in Table 18.

Clean Slate 3

Of the 60 incremental units (12 sets of five each) installed in the field, 51 yielded recoverable samples. All five units of each system at Station Numbers F-016, -032, -042, -058, -074, and -104 operated perfectly. Table 19 summarizes the performance of the systems at the other six stations which had some defects. The planchet data from the recovered samples are reported in Table 20.

TABLE 1 SAMPLING INTERVALS OF INCREMENTAL FALLOUT COLLECTORS, ALL EVENTS

DOUBLE TRACKS		CLEAN SLATE 1	
INCREMENT NUMBER	TIME RELATIVE TO H-HOUR	INCREMENT NUMBER	TIME RELATIVE TO H-HOUR
1	H + 13:40 min. to H + 15:40 min.	1	H + 27:45 min. to H + 29:45 min.
2	H + 15:40 min. to H + 16:40 min.	2	H + 29:45 min. to H + 30:45 min.
3	H + 16:40 min. to H + 17:40 min.	3	H + 30:45 min. to H + 31:45 min.
4	H + 17:40 min. to H + 19:40 min.	4	H + 31:45 min. to H + 33:45 min.
5	H + 19:40 min. to H + 22:40 min.	5	H + 33:45 min. to H + 36:45 min.

CLEAN SLATE II		CLEAN SLATE III	
INCREMENT NUMBER	TIME RELATIVE TO H-HOUR	INCREMENT NUMBER	TIME RELATIVE TO H-HOUR
1	H + 15 to H + 17 minutes	1	H + 16 to H + 18 minutes
2	H + 17 to H + 18 minutes	2	H + 18 to H + 19 minutes
3	H + 18 to H + 19 minutes	3	H + 19 to H + 20 minutes
4	H + 19 to H + 21 minutes	4	H + 20 to H + 22 minutes
5	H + 21 to H + 24 minutes	5	H + 22 to H + 25 minutes

TABLE 2 SOIL SAMPLES, DOUBLE TRACKS

Station No.	Tracerlab Sample Handling Record No.
Background Samples	
BO-60	008021
CM-09	"
D-066	"
F-058	"
L-062	"
Shot Samples	
R-048 (#1)	008052
R-050 (#2)	"
P-048 (#3)	"
P-050 (#4)	"
N-048 (#5)	"
N-050 (#6)	"
L-048 (#7)	"
L-050 (#8)	"
J-048 (#9)	"
J-050 (#10)	"
J-052 (#11)	"
H-048 (#12)	"
H-050 (#13)	"
F-048 (#14)	"
F-050 (#15)	"
D-048 (#16)	"
D-050 (#17)	"
C-048 (#18)	"
C-050 (#19)	"
C-052 (#20)	"

TABLE 3 SOIL SAMPLES, CLEAN SLATE 1

Station No.	Tracerlab Sample Handling Record No.
Background Samples	
BO-08	008022
B-060	"
D-060	"
N-060	"
Shot Samples	
P-028 (#21)	008058
P-030 (#22)	"
P-032 (#23)	"
O-028 (#24)	"
O-030 (#25)	"
O-032 (#26)	"
N-028 (#27)	"
N-030 (#28)	"
N-032 (#29)	"
L-028 (#30)	"
L-030 (#31)	"
L-032 (#32)	"
J-028 (#33)	"
J-030 (#34)	"
J-032 (#35)	"
H-028 (#36)	"
H-030 (#37)	"
H-032 (#38)	"
F-028 (#39)	"
F-030 (#40)	"
F-032 (#41)	"
D-028 (#42)	"
D-030 (#43)	"
D-032 (#44)	"
B-028 (#45)	"
B-032 (#46)	"
B-036 (#47)	"
CM-7.0 (#48)	"
CM-7.2 (#49)	"
BM-05 (#50)	"
BM-06 (#51)	"
BM-07 (#52)	"

TABLE 4 SOIL SAMPLES, CLEAN SLATE 2

Station No.	Tracerlab Sample Handling Record No.
Background Samples	
BM-03	008023
B-060	"
D-060	"
H-060	"
Shot Samples	
L-070 (#53)	008164
L-050 (#54)	"
L-030 (#55)	"
L-026 (#56)	"
L-022 (#57)	"
J-020 (#58)	"
J-024 (#59)	"
J-026 (#60)	"
J-036 (#61)	"
J-100 (#62)	"
I-100 (#63)	"
I-040 (#64)	"
I-030 (#65)	"
I-024 (#66)	"
I-020 (#67)	"
G-020 (#68)	"
G-024 (#69)	"
G-030 (#70)	"
G-046 (#71)	"
G-100 (#72)	"
F-100 (#73)	"
F-054 (#74)	"
F-024 (#75)	"
F-020 (#76)	"
F-016 (#77)	"
E-016 (#78)	"
E-020 (#79)	"
E-024 (#80)	"
E-055 (#81)	"
E-100 (#82)	"
C-100 (#83)	"
C-055 (#84)	"
C-024 (#85)	"
C-020 (#86)	"
C-012 (#87)	"
B-012 (#88)	008164
B-020 (#89)	"
B-024 (#90)	"
B-055 (#91)	"
B-100 (#92)	"
CM-14 (#93)	"
CM-11 (#94)	"
CM-09 (#95)	"
CM-06 (#96)	"
BK-00 (#97)	"
BK-04 (#98)	"
BK-10 (#99)	"
BK-14 (#100)	"

TABLE 5 SOIL SAMPLES, CLEAN SLATE 3

Station No.		Tracerlab Sample Handling Record No.
Background Samples		
BO-09	(#14)	008024
B-060	(#15)	"
D-060	(#16)	"
J-060	(#17)	"
Shot Samples		
BM-02	(#101)	008188
BM-03	(#102)	"
BM-04	(#103)	"
BO-03	(#104)	"
BO-02	(#105)	"
BO-01	(#106)	"
CM-07.0	(#107)	"
CM-05.3	(#108)	"
CM-05.0	(#109)	"
CO-05.0	(#110)	"
CO-05.3	(#111)	"
CO-07.0	(#112)	"
CP-05	(#113)	"
B-012	(#114)	"
B-016	(#115)	"
B-020	(#116)	"
B-076	(#117)	"
C-076	(#118)	"
C-044	(#119)	"
C-042	(#120)	"
C-040	(#121)	"
D-034	(#122)	"
D-036	(#123)	"
D-040	(#124)	"
D-076	(#125)	"
E-076	(#126)	"
E-040	(#127)	"
E-036	(#128)	"
E-034	(#129)	"
F-034	(#130)	"
F-036	(#131)	"
F-040	(#132)	"
F-076	(#133)	"
G-076	(#134)	"
G-040	(#135)	"
G-036	(#136)	"
G-034	(#137)	"
H-034	(#138)	008188
H-036	(#139)	"
H-040	(#140)	"
H-076	(#141)	"
J-050	(#142)	"
J-036	(#143)	"
J-034	(#144)	"
L-034	(#145)	"
L-036	(#146)	"
L-050	(#147)	"

TABLE 6 SAMPLES RECOVERED DURING AND AFTER RAIN, CLEAN SLATE 2

ARC	TOTAL NUMBER OF STATIONS ON ARC	SLIDES	PLANCHETS	FILM
Grid	105	0	0	105
B	30	0	30	30
C	60	0	32 (C-000 thru C-058)	32 (C-000 thru C-058)
D	60	0	0	30 (D-060 thru D-114)
E	60	0	0	27 (E-062 thru E-114)
F	60	0	60	60
G	58	0	26 (G-064 thru G-114)	26 (G-064 thru G-114)
H	87	0	76 (H-022 thru H-114)	76 (H-022 thru H-114)
J	60	0	0	54 (J-012 thru J-114)
L	58	11 (L-062 thru L-072)	27 (L-062 thru L-114)	27 (L-062 thru L-114)
TOTAL	638	11	251	467
PERCENT		1.7	39.4	73.2

TABLE 7 INTEGRAL FALLOUT COLLECTOR BACKGROUND SAMPLES, DOUBLE TRACKS

Station No.	Planchet & Slide Code No.	Tracerlab Sample Handling Record Number: Film	Planchet	Slide
CO-13.2	2726	008019	008017	008012
CO-13.3	2727	"	"	"
CO-13.4	2728	"	"	"
BO-13	2730	"	"	"
BO-14	2731	"	"	"
BO-15	2732	"	"	"
D-116	2734	"	"	"
D-118	2735	"	"	"
D-120	2736	"	"	"
B-120	2737	"	"	"
B-116	2738	"	"	"
B-112	2739	"	"	008013
F-114	2740	"	"	"
F-116	2741	"	"	"
F-118	2742	"	"	"
F-120	2743	"	"	"
H-062	2744	"	"	"
H-064	2745	"	"	"
H-056	2747	"	"	"
H-058	2748	"	"	"
J-114	2750	"	"	"
J-116	2751	"	"	008014
J-118	2752	"	"	"
J-120	2753	"	"	"
L-112	2754	"	"	"
L-110	2755	"	"	"
L-108	2756	"	"	"
L-114	2757	"	"	"
L-116	2758	008020	008018	"
L-118	2759	"	"	"
N-108	2761	"	"	"
N-110	2762	"	"	008015
N-112	2763	"	"	"
N-114	2764	"	"	"
N-116	2765	"	"	"
N-118	2766	"	"	"
P-120	2768	"	"	"
P-118	2769	"	"	"
P-116	2770	"	"	"

Station No.	Planchet & Slide Code No.	Tracerlab Sample Handling Record Number: Film	Planchet	Slide
P-114	2771	008020	008018	008015
P-112	2772	"	"	"
P-110	2773	"	"	"
P-108	2774	Missing	Missing	"
R-108	2775	Missing	Missing	008016*
R-110	2776	008020	008018	" *
R-112	2777	"	"	"
R-114	2778	"	"	"
R-116	2779	"	"	"
R-118	2780	"	"	"
R-120	2781	"	"	"

* Only one slide was recovered

TABLE 8 IN

STATION NO.
CO-03.0
CO-03.1
CO-03.2
CO-03.3
CO-03.4
CO-05.0
CO-05.1
CO-05.2
CO-05.3
CO-05.4
CO-07.0
CO-07.1
CO-07.2A
CO-07.2B
CO-07.3
CO-07.4A
CO-07.4B
CO-09.0
CO-09.1
CO-09.2
CO-09.3
CO-09.4
CO-11.0
CO-11.1
CO-11.2
CO-11.3
CO-11.4
CO-13.0
CO-13.1
CO-13.2
CO-13.3
CO-13.4
CO-15.0
CM-13.0
CM-11.4
CM-11.3
CM-11.2
CM-11.1
CM-11.0
CM-09.4
CM-09.3

TABLE 8 INTEGRAL FALLOUT COLLECTOR SAMPLES, DOUBLE TRACKS

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
CO-03.0	1	008051	008038	008037	008025	0
CO-03.1	2	"	"	"	"	0
CO-03.2	3	"	"	"	"	0
CO-03.3	4	"	"	"	"	7
CO-03.4	5	"	"	"	"	0
CO-05.0	6	"	"	"	"	0
CO-05.1	7	"	"	"	"	0
CO-05.2	8	"	"	"	"	0
CO-05.3	9	"	"	"	"	7
CO-05.4	10	"	SLIGHT CRACK		"	0
CO-07.0	11	"	IN ONE SLIDE		"	7
CO-07.1	12	"	"	"	"	0
CO-07.2A	13-A	"	"	"	"	7
CO-07.2B	13-B	"	"	"	"	7
CO-07.3	14	"	"	"	"	7
CO-07.4A	15-A	"	"	"	"	0
CO-07.4B	15-B	"	"	"	"	7
CO-09.0	16	"	"	"	"	7
CO-09.1	17	"	"	"	"	72
CO-09.2	18	"	"	"	"	MISSING
CO-09.3	19	"	"	"	"	612
CO-09.4	20	"	"	"	"	0
CO-11.0	21	"	"	"	"	0
CO-11.1	22	"	"	"	"	MISSING
CO-11.2	23	"	"	"	"	0
CO-11.3	24	"	"	"	"	MISSING
CO-11.4	25	"	"	"	"	0
CO-13.0	26	DROPPED	"	"	"	0
CO-13.1	27	"	"	"	"	0
CO-13.2	28	CELLOPHANE	ONE SLIDE		"	0
	PULLED AWAY	FROM TAPE	CRACKED			
CO-13.3	29	"	"	"	"	7
CO-13.4	30	"	"	"	"	0
CO-15.0	31	"	"	"	"	0
CM-13.0	32	VERY DUSTY FROM	"	"	"	0
		VEHICLE TRAFFIC				
CM-11.4	33	"	"	"	"	0
CM-11.3	34	"	"	"	"	0
CM-11.2	35	"	"	"	"	0
CM-11.1	36	"	"	"	"	7
CM-11.0	37	"	"	"	"	0
CM-09.4	38	"	"	"	"	0
CM-09.3	39	"	"	"	"	0

TABLE 8 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
CM-09.2	40	008051	008038	008037	008025	132
CM-09.1	41	"	"	"	"	27,400
CM-09.0	42	"	"	"	"	7
CM-07.4	43	"	"	"	"	0
CM-07.3	44	"	"	"	"	7
CM-07.2	45	008051	008038	008037	008025	20
CM-07.1	46	"	"	"	"	0
CM-07.0	47	"	"	"	"	0
CM-05.4	48	"	"	"	"	0
CM-05.3	49	"	"	"	"	7
CM-05.2	50	"	"	"	"	0
CM-05.1	51	"	"	"	"	0
CM-05.0	52	"	"	"	"	0
BO-00	53	008050	008038	008037	008026	0
BO-01	54	"	"	"	"	0
BO-02	55	"	"	"	"	0
BO-03	56	"	"	"	"	0
BO-04	57	"	"	"	"	0
BO-05	58	"	"	"	"	0
BO-06	59	"	"	"	"	0
BO-07	60	"	"	"	"	13
BO-08	61	"	"	"	"	0
BO-09	62	"	"	"	"	5,710
BO-10	63	"	"	"	"	0
BO-11	64	"	"	"	"	0
BO-12	65	"	"	"	"	0
BO-13	66	"	"	"	"	7
BO-14	67	"	"	"	"	0
BO-15	68	"	"	"	"	0
BO-16	69	"	"	"	"	0
BM-16	70	"	"	"	"	0
BM-14	71	"	"	"	"	6
BM-13	72	"	"	"	"	0
BM-12	73	"	"	"	"	0
BM-11	74	"	"	"	"	0
BM-10	75	"	"	"	"	68
BM-09	76	"	"	"	"	24,000
BM-08	77	"	"	"	"	31
BM-07	78	"	"	"	"	0
BM-06	79	"	"	"	"	0
BM-05	80	"	"	"	"	0
BM-04	81	"	"	"	"	20
BM-03	82	"	"	"	"	0
BM-02	83	"	"	"	"	0
BM-00	84	"	"	"	"	0
BK-00	85	"	"	"	"	0
BK-02	86	"	"	"	"	0
BK-04	87	"	"	"	"	0
BH-04	88	"	"	"	"	6
BH-02	89	"	"	"	"	0
BH-00	90	"	"	"	"	6

TABLE 8

STATION NO
BF-02
BE-04
BD-06
BC-08
BD-10
BE-12
BF-14
BH-16
BH-14
BH-12
BK-12
BK-14
BK-16
B-000
B-004
B-008
B-012
B-016
B-020
B-024
B-028
B-032
B-036
B-040
B-044
B-048
B-052
B-056
B-060
B-064A
B-064B
B-068
B-072A
B-072B
B-076
B-080
B-084
B-088
B-092
B-096
B-100
B-104
B-108
B-112
B-116

TABLE 8 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
BF-02	91	008050	008038	008037	008026	6
BE-04	92	"	"	"	"	0
BD-06	93	"	"	"	"	0
BC-08	94	"	"	"	"	0
BD-10	95	"	"	"	"	0
BE-12	96	"	"	"	"	0
BF-14	97	"	"	"	"	0
BH-16	98	"	"	"	"	0
BH-14	99	"	"	"	"	0
BH-12	100	"	"	"	"	0
BK-12	101	"	"	"	"	0
BK-14	102	"	"	"	"	6
BK-16	103	"	"	"	"	0
B-000	104	008048	008035	008034	008028	0
B-004	105	"	"	"	"	0
B-008	106	"	"	"	"	0
B-012	107	"	"	"	"	0
B-016	108	"	"	"	"	0
B-020	109	"	"	"	"	0
B-024	110	"	"	"	"	0
B-028	111	"	"	"	"	0
B-032	112	"	"	"	"	0
B-036	113	"	"	"	"	0
B-040	114	"	"	"	"	12
B-044	115	"	"	"	"	0
B-048	116	"	"	"	"	0
B-052	117	"	"	"	"	0
B-056	118	"	"	"	"	0
B-060	119	"	"	"	NO SAMPLE	
B-064A	120A	"	"	"	"	678
B-064B	120B	"	"	"	"	112
B-068	121	"	"	"	"	435
B-072A	122A	"	"	"	"	509
B-072B	122B	"	"	"	"	348
B-076	123	"	"	"	"	19
B-080	124	"	"	"	"	0
B-084	125	"	"	"	"	0
B-088	126	"	"	"	"	0
B-092	127	"	"	"	"	0
B-096	128	"	"	"	"	0
B-100	129	"	"	"	"	0
B-104	130	"	"	"	"	0
B-108	131	"	"	"	"	0
B-112	132	"	"	"	"	0
B-116	133	"	"	"	"	0

TABLE 8 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
B-120	134	008048	008035	008034	008028	0
D-030	150	008046	"	"	"	0
D-032	151	"	"	"	"	0
D-034	152	"	"	"	"	0
D-036	153	"	"	"	"	0
D-038	154	"	"	"	"	0
D-040	155	"	"	"	"	0
D-042	156	"	"	"	"	0
D-044	157	"	"	"	"	0
D-046	158	"	"	"	"	0
D-048	159	"	"	"	"	0
D-050	160	"	"	"	"	1890
D-052	161	"	"	"	"	398
D-054	162	"	"	"	"	1740
D-056	163	"	"	"	"	972
D-058	164	"	"	"	"	19
D-060	165	"	"	"	"	0
D-062	166	"	"	"	"	54
D-064	167	"	"	"	"	1580
D-066	168	"	"	"	"	131
D-068	169	"	"	"	"	373
D-070	170	"	"	"	"	162
F-030	211	008041	008038	008037	008029	0
F-032	212	"	"	"	"	0
F-034	213	"	"	"	"	0
F-036	214	"	"	"	"	0
F-038	215	"	"	"	"	0
F-040	216	"	"	"	"	4340
F-042	217	"	"	"	PLANCHET SUR-	890
			FACE WAS SLIGHTLY DISTURBED			ON REMOVAL
F-044	218	"	"	"	008029	257
F-046A	219A	"	"	"	"	3490
F-046B	219B	"	"	"	"	37
F-048	220	"	"	"	MISSING	
F-050	221	"	"	"	008029	2740
F-052	222	"	"	"	"	4520
F-054A	223A	"	"	"	"	18
F-054B	223B	"	"	"	"	6
F-056	224	"	"	"	"	2850
F-058	225	"	"	"	"	6
F-060	226	"	"	"	"	6
F-062	227	"	"	"	"	6
F-064	228	"	"	"	"	104
F-066	229	"	"	"	"	251
F-068	230	"	"	"	"	191
F-070	231	"	"	"	"	6
H-030	272	008043	"	"	008030	0
H-032	273	"	"	MISSING	"	0

TABLE 8

STATION N
H-034
H-036
H-038
H-040
H-042
H-044
H-046
H-048
H-050
H-052
H-054
H-056
H-058
H-060
H-062
H-064
H-066A
H-066B
H-068
H-070
J-030
J-032
J-034
J-036
J-038
J-040
J-042
J-044
J-046
J-048
J-050
J-052
J-054
J-056
J-058
J-060
J-062
J-064
J-066
J-068
J-070
L-030
L-032
L-034
L-036
L-038

TABLE 8 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
H-034	274	008043	008038	008037	008030	0
H-036	275	"	"	"	"	6
H-038	276	"	"	"	"	0
H-040	277	"	"	"	"	6
H-042	278	"	"	"	"	31
H-044	279	"	"	"	"	613
H-046	280	"	"	"	"	1790
H-048	281	"	"	"	"	3670
H-050	282	"	"	"	"	1800
H-052	283	"	"	"	"	3530
H-054	284	"	"	"	"	125
H-056	285	"	"	"	"	541
H-058	286	DUSTY	"	"	"	164
H-060	287	DUSTY	"	"	"	38
H-062	288	008043	"	"	008029	148
H-064	289	"	"	"	"	12
H-066A	290A	"	"	"	"	18
H-066B	290B	"	"	"	"	18
H-068	291	"	"	"	"	55
H-070	292	"	"	"	"	12
J-030	333	08047	"	"	008030	0
J-032	334	"	"	"	"	0
J-034	335	"	"	"	"	6
J-036	336	"	"	"	"	195
J-038	337	"	"	"	"	19
J-040	338	"	"	"	"	0
J-042	339	"	"	"	"	365
J-044	340	"	"	"	"	4230
J-046	341	"	"	"	"	340
J-048	342	"	"	"	"	384
J-050	343	"	"	"	"	252
J-052	344	"	"	"	"	296
J-054	345	"	"	"	"	516
J-056	346	"	"	"	"	0
J-058	347	"	"	"	"	421
J-060	348	"	"	"	"	113
J-062	349	"	"	"	"	6
J-064	350	"	"	"	"	6
J-066	351	"	"	"	"	0
J-068	352	"	"	"	"	0
J-070	353	"	"	"	"	0
L-030	394	008049	"	"	008027	0
L-032	395	"	"	"	"	0
L-034	396	"	"	"	"	0
L-036	397	"	"	"	"	143
L-038	398	"	"	"	"	0

TABLE 8 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
L-040	399	008049	008038	008037	008027	0
L-042	400	"	"	"	"	202
L-044	401	"	"	"	"	423
L-046A	402A	"	"	"	"	1050
L-046B	402B	"	"	"	"	0
L-048	403	"	"	"	"	650
L-050	404	"	"	"	"	72
L-052	405	"	"	"	"	403
L-054A	406A	"	"	"	"	475
L-054B	406B	"	"	"	"	1280
L-056	407	"	"	"	"	1630
L-058	408	"	"	"	"	306
L-060	409	"	"	"	"	280
L-062	410	"	"	"	"	468
L-064	411	"	"	"	"	254
L-066	412	"	"	"	"	0
L-068	413	"	"	"	"	0
L-070	414	"	"	"	"	0
N-030	455	008042	008035	008034	008031	0 * RAIN WRINKLED
N-032	456	" ONE	SLIDE BROKEN		"	0 THE CELLOPHANE
N-034	457	"	008035	008034	"	805
N-036	458	"	"	"	"	82
N-038	459	"	"	"	"	0
N-040	460	"	"	"	"	94
N-042	461	"	"	"	"	862
N-044	462	"	"	"	"	157
N-046	463	"	"	"	"	6 * PLANCHET INCORRECT-
N-048	464	"	"	"	"	674 LY BOXED BUT RECTIFIED
N-050	465	"	"	"	MISSING	
N-052	466	"	"	"	008031	0
N-054	467	"	"	"	"	6
N-056	468	"	"	"	"	0
N-058	469	"	"	"	"	0
N-060	470	*	"	"	"	19 * CELLOPHANE LOOSE ON
N-062	471	"	"	"	"	57 ONE SIDE, DOUBLE
N-064	472	"	"	"	"	25 ACETATE USED
N-066A	473	"	"	"	"	13
N-066B	474	"	"	"	"	0
N-068	475	"	"	"	"	6
N-070	476	"	"	"	"	13
P-030	516	008045	"	"	008032	0
P-032	517	"	"	"	"	147
P-034	518	"	"	"	"	398
P-036	519	"	"	"	"	86
P-038	520	"	"	"	"	711
P-040	521	"	"	"	"	129

TABLE 8 CON

STATION NO.	C
P-042	
P-044	
P-046A	
P-046B	
P-048	
P-050	
P-052	
P-054A	
P-054B	
P-056	
P-058	
P-060	
P-062	
P-064	
P-066	
P-068	
P-070	
R-030	
R-032	
R-034	
R-036	
R-038	
R-040	
R-042	
R-044	
R-046	
R-048	
R-050	
R-052	
R-054	
R-056	
R-058	
R-060	
R-062	
R-064	
R-066A	
R-066B	
R-068	
R-070	

TABLE 8 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
P-042	522	008045	008035	008034	008032	208
P-044	523	"	"	"	"	374
P-046A	524A	"	"	"	"	12
P-046B	524B	"	"	"	"	25
P-048	525	"	"	"	"	0
P-050	526	"	"	"	"	141
P-052	527	"	"	"	"	0
P-054A	528A	"	"	"	"	12
P-054B	528B	"	"	"	"	37
P-056	529	"	"	"	"	37
P-058	530	"	"	"	"	31
P-060	531	"	"	"	"	67
P-062	532	"	"	"	"	12
P-064	533	"	"	"	"	0
P-066	534	"	"	"	"	6
P-068	538	"	"	"	"	37
P-070	536	"	"	"	"	0
R-030	577	008044	"	"	008033	56
R-032	578	"	"	"	"	0
R-034	579	"	"	"	"	38
R-036	580	"	"	"	"	150
R-038	581	"	"	"	"	69
R-040	582	"	"	"	"	739
R-042	583	"	"	"	"	19
R-044	584	"	"	"	"	44
R-046	585	"	"	"	"	19
R-048	586	"	"	"	"	13
R-050	587	"	"	"	"	0
R-052	588	"	"	"	"	0
R-054	589	"	"	"	"	25
R-056	590	"	"	"	"	19
R-058	591	"	"	"	"	0
R-060	592	"	"	"	*	38 * PLANCHET UPSIDE
R-062	593	"	"	"	"	0 DOWN IN BOX
R-064	594	"	"	"	"	0
R-066A	595A	"	"	"	"	88
R-066B	595B	"	"	"	*	6 * PLANCHET UPSIDE
R-068	596	"	"	"	"	31 DOWN IN BOX
R-070	597	"	"	"	"	0

TABLE 9 RADIOASSAY OF PLANCHETS FROM DUPLICATE STATIONS, ALL EVENTS

Double Tracks		Clean Slate 1		Clean Slate 2		Clean Slate 3	
Station No.	Alpha DPM	Station No.	Alpha DPM	Station No.	Alpha DPM	Station No.	Alpha DPM
CO-07.2A	7	CO-07.2A	27	CM-07.0A	36,300	CM-07.0A	2,170
CO-07.2B	7	CO-07.2B	40	CM-07.0B	36,300	CM-07.0B	1,320
CO-07.4A	0	CO-07.4A	13	CO-09.0A	9,410	CO-09.0A	702
CO-07.4B	7	CO-07.4B	0	CO-09.0B	9,480	CO-09.0B	540
B-064A	678			D-066A	664	B-036A	582
B-064B	112			D-066B	830	B-036B	1,390
B-072A	509			E-036A	1,380	B-056A	515
B-072B	348			E-036B	917	B-056B	515
F-046A	3,490			J-036A	281	C-026A	16,900
F-046B	37			J-036B	140	C-026B	12,800
F-054A	18					C-046A	40
F-054B	6					C-046B	87
H-066A	18					D-066A	124
H-066B	18					D-066B	91
L-046A	1,050					D-076A	154
L-046B	0					D-076B	120

TABLE 9 CONTINUED

Double Tracks		Clean Slate 1		Clean Slate 2		Clean Slate 3	
Station No.	Alpha DPM	Station No.	Alpha DPM	Station No.	Alpha DPM	Station No.	Alpha DPM
L-054A	475					E-036A	12,400
L-054B	1,280					E-036B	11,800
N-066A	13					E-056A	111
N-066B	0					E-056B	7
P-046A	12					F-066A	46
P-046B	25					F-066B	143
P-054A	12					F-076A	39
P-054B	37					F-076B	117
R-066A	88					H-026A	65
R-066B	6					H-026B	0
						H-046A	267
						H-046B	780
						J-036A	2,150
						J-036B	1,690
						J-056A	33
						J-056B	27

TABLE 10 INTEGRAL FALLOUT COLLECTOR BACKGROUND SAMPLES, CLEAN SLATE 1

Station No.	Planchet & Slide Code No.	Tracerlab Sample Handling Record Number		
		Film	Planchet	Slide
BO-08*	2-23-BO-08-BKG	008089	008088	008090
B-028	2-23-B-028-BKG	"	"	"
D-090	2-23-D-090-BKG	"	"	"
F-030	2-23-F-030-BKG	"	"	"
H-090	2-23-H-090-BKG	"	"	"
J-030	2-23-J-030-BKG	"	"	"
L-090	2-23-L-090-BKG	"	"	"
N-030	2-23-N-030-BKG	"	"	"
O-090	2-23-O-090-BKG	"	"	"
P-030	2-23-P-030-BKG	"	"	"

* BO-08 Film Missing

TABLE 11

Station No.
CO-03.0
CO-03.1
CO-03.2
CO-03.3
CO-03.4
CO-05.0
CO-05.1
CO-05.2
CO-05.3
CO-05.4
CO-07.0
CO-07.1
CO-07.2A
CO-07.2B
CO-07.3
CO-07.4A
CO-07.4B
CO-09.0
CO-09.1
CO-09.2
CO-09.3
CO-09.4
CO-11.0
CO-11.1
CO-11.2
CO-11.3
CO-11.4
CO-13.0
CO-13.1
CO-13.2
CO-13.3
CO-13.4
CO-15.0
CM-13.0
CM-11.4
CM-11.3
CM-11.2
CM-11.1
CM-11.0
CM-09.4
CM-09.3
CM-09.2
CM-09.1
CM-09.0
CM-07.4
CM-07.3
CM-07.2
CM-07.1
CM-07.0

TABLE 11 INTEGRAL FALLOUT COLLECTOR SAMPLES, CLEAN SLATE 1

Station No.	Code No.	Tracerlab Handling Record No.				Planchet α DPM
		Film	Slides		Planchet	
			US	UK		
CO-03.0	623	008120	008080	008081	008065	0
CO-03.1	624	"	"	"	"	0
CO-03.2	625	"	"	"	"	0
CO-03.3	626	"	"	"	"	0
CO-03.4	627	"	"	"	"	0
CO-05.0	628	"	"	"	"	0
CO-05.1	629	"	"	"	"	0
CO-05.2	630	"	"	"	"	17,300
CO-05.3	631	"	"	"	"	2,420
CO-05.4	632	"	"	"	"	482
CO-07.0	633	"	"	"	"	94
CO-07.1	634	"	"	"	"	47
CO-07.2A	635A	"	"	"	"	27
CO-07.2B	635-B	"	"	"	"	40
CO-07.3	636	"	"	"	"	94
CO-07.4A	637-A	"	"	"	"	13
CO-07.4B	637-B	"	"	"	"	0
CO-09.0	638	"	"	"	"	7
CO-09.1	639	"	"	"	"	33
CO-09.2	640	"	"	"	"	74
CO-09.3	641	"	"	"	"	0
CO-09.4	642	"	"	"	"	0
CO-11.0	643	"	"	"	"	0
CO-11.1	644	"	"	"	"	0
CO-11.2	645	"	"	"	"	0
CO-11.3	646	"	"	"	"	0
CO-11.4	647	"	"	"	"	0
CO-13.0	648	"	"	"	"	0
CO-13.1	649	"	"	"	"	0
CO-13.2	650	"	"	"	"	7
CO-13.3	651	"	"	"	"	0
CO-13.4	652	"	"	"	"	7
CO-15.0	653	"	"	"	"	0
CM-13.0	654	008121	"	"	008066	0
CM-11.4	655	"	"	"	"	7
CM-11.3	656	"	"	"	"	0
CM-11.2	657	"	"	"	"	20
CM-11.1	658	"	"	"	"	20
CM-11.0	659	"	"	"	"	33
CM-09.4	660	"	"	"	"	0
CM-09.3	661	"	"	"	"	7
CM-09.2	662	"	"	"	"	0
CM-09.1	663	"	"	"	"	0
CM-09.0	664	"	"	"	"	0
CM-07.4	665	"	"	"	"	27
CM-07.3	666	"	"	"	"	455
CM-07.2	667	"	"	"	"	1,010
CM-07.1	668	"	"	"	"	3,000
CM-07.0	669	"	"	"	"	18,000

TABLE 11 CONTINUED

Station No.	Code No.	Tracerlab Handling Record No.				Planchet α DPM
		Film	Slides		Planchet	
			US	UK		
CM-05.4	670	008121	008080	008081	008066	27
CM-05.3	671	"	"	"	"	0
CM-05.2	672	"	"	"	"	0
CM-05.1	673	"	"	"	"	0
CM-05.0	674	"	"	"	"	0
BO-00.0	675	"	"	"	008067	0
BO-01	676	"	"	"	"	0
BO-02	677	"	"	"	"	0
BO-03	678	"	"	"	"	0
BO-04	679	"	"	"	"	3,800
BO-05	680	"	"	"	"	43,400
BO-06	681	"	"	"	"	13,900
BO-07	682	"	"	"	"	133
BO-08	683	"	"	"	"	326
BO-09	684	"	"	"	"	206
BO-10	685	"	"	"	"	0
BO-11	686	"	"	"	"	13
BO-12	687	"	"	"	"	86
BO-13	688	"	"	"	"	7
BO-14	689	"	"	"	"	0
BO-15	690	"	"	"	"	0
BO-16	691	"	"	"	"	33
BM-16	692	"	"	"	"	0
BM-14	693	"	"	"	"	0
BM-13	694	"	"	"	"	0
BM-12	695	"	"	"	"	20
BM-11	696	"	"	"	"	33
BM-10	697	"	"	"	"	167
BM-09	698	"	"	"	"	221
BM-08	699	"	"	"	"	569
BM-07	700	"	"	"	"	15,100
BM-06	701	"	"	"	"	26,600
BM-05	702	"	"	"	"	13,200
BM-04	703	"	"	"	"	0
BM-03	704	"	"	"	"	0
BM-02	705	"	"	"	"	0
BM-00	706	"	"	"	"	0
BK-00	707	008122	"	"	008069	0
BK-02	708	"	"	"	"	7
BK-04	709	"	"	"	"	7
BH-04	710	"	"	"	"	0
BH-02	711	"	"	"	"	7
BH-00	712	"	"	"	"	0
BF-02	713	"	"	"	"	0
BE-04	714	"	"	"	"	0
BD-06	715	"	"	"	"	0
BC-08	716	"	"	"	"	0
BD-10	717	"	"	"	"	0
BE-12	718	"	"	"	"	7

TABLE

Station
BF-14
BH-16
BH-14
BH-12
BK-12
BK-14
BK-16
B-000
B-004
B-008
B-012
B-016
B-020
B-024
B-028
B-032
B-036
B-040
B-044
B-048
B-052
B-056
B-060
D-000
D-002
D-004
D-006
D-008
D-010
D-01
D-01
D-01
D-01
D-02
D-02
D-02
D-02
D-02
D-03
D-03
D-03
D-03
D-03
D-04
D-04
D-04
D-04
D-04
D-0

TABLE 11 CONTINUED

Station No.	Code No.	Tracerlab Handling Record No.				Planchet α DPM
		Film	Slides		Planchet	
			US	UK		
BF-14	719	008122	008080	008081	008069	0
BH-16	720	"	"	"	"	0
BH-14	721	"	"	"	"	0
BH-12	722	"	"	"	"	0
BK-12	723	"	"	"	"	7
BK-14	724	"	"	"	"	Missing
BK-16	725	"	"	"	"	7
B-000	726	008123	"	"	008075	Not Counted
B-004	727	"	"	"	"	Not Counted
B-008	728	"	"	"	"	Not Counted
B-012	729	"	"	"	"	Not Counted
B-016	730	"	"	"	008070	0
B-020	731	"	"	"	"	990
B-024	732	"	"	"	"	6,890
B-028	733	"	"	"	"	4,540
B-032	734	"	"	"	"	74
B-036	735	"	"	"	"	67
B-040	736	"	"	"	"	0
B-044	737	"	"	"	008075	Not Counted
B-048	738	"	"	"	"	Not Counted
B-052	739	"	"	"	"	Not Counted
B-056	740	"	"	"	"	Not Counted
B-060	741	"	"	"	"	Not Counted
D-000	757	"	"	"	"	Not Counted
D-002	758	"	"	"	"	Not Counted
D-004	759	"	"	"	"	Not Counted
D-006	760	"	"	"	"	Not Counted
D-008	761	"	"	"	"	Not Counted
D-010	762	"	"	"	"	Not Counted
D-012	763	"	"	"	"	Not Counted
D-014	764	"	"	"	"	Not Counted
D-016	765	"	"	"	008070	0
D-018	766	"	"	"	"	0
D-020	767	"	"	"	"	74
D-022	768	"	"	"	"	836
D-024	769	"	"	"	"	1,220
D-026	770	"	"	"	"	2,310
D-028	771	"	"	"	"	4,800
D-030	772	"	"	"	"	10,000
D-032	773	"	"	"	"	1,340
D-034	774	"	008082	008083	"	7
D-036	775	"	"	"	"	60
D-038	776	"	"	"	"	20
D-040	777	"	"	"	"	0
D-042	778	"	"	"	008075	Not Counted
D-044	779	"	"	"	"	Not Counted
D-046	780	"	"	"	"	Not Counted
D-048	781	"	"	"	"	Not Counted
D-050	782	"	"	"	"	Not Counted

TABLE 11 CONTINUED

Station No.	Code No.	Tracerlab Handling Record No. Film	Slides US	Slides UK	Planchet	Planchet α DPM
D-052	783	008123	008082	008083	008075	Not Counted
D-054	784	"	"	"	"	Not Counted
D-056	785	"	"	"	"	Not Counted
D-058	786	"	"	"	"	Not Counted
D-060	787	"	"	"	"	Not Counted
F-000	818	008124	"	"	008076	Not Counted
F-002	819	"	"	"	"	Not Counted
F-004	820	"	"	"	"	Not Counted
F-006	821	"	"	"	"	Not Counted
F-008	822	"	"	"	"	Not Counted
F-010	823	"	"	"	"	Not Counted
F-012	824	"	"	"	"	Not Counted
F-014	825	"	"	"	"	Not Counted
F-016	826	"	"	"	008071	0
F-018	827	"	"	"	"	7
F-020	828	"	"	"	"	7
F-022	829	"	"	"	"	100
F-024	830	"	"	"	"	187
F-026	831	"	"	"	"	300
F-028	832	"	"	"	Missing	-
F-030	833	"	"	"	008071	8,230
F-032	834	"	"	"	"	268
F-034	835	"	"	"	"	54
F-036	836	"	"	"	"	7
F-038	837	"	"	"	"	0
F-040	838	"	"	"	"	0
F-042	839	"	"	"	008076	Not Counted
F-044	840	"	"	"	"	Not Counted
F-046A	841-A	"	"	"	"	Not Counted
F-046B	841-B	"	"	"	"	Not Counted
F-048	842	"	"	"	"	Not Counted
F-050	843	"	"	"	"	Not Counted
F-052	844	"	"	"	"	Not Counted
F-054A	845-A	"	"	"	"	Not Counted
F-054B	845-B	"	"	"	"	Not Counted
F-056	846	"	"	"	"	Not Counted
F-058	847	"	"	"	"	Not Counted
F-060	848	"	"	"	"	Not Counted
H-000	879	"	"	"	"	Not Counted
H-002	880	"	"	"	"	Not Counted
H-004	881	"	"	"	"	Not Counted
H-006	882	"	"	"	"	Not Counted
H-008	883	"	"	"	"	Not Counted
H-010	884	"	"	"	"	Not Counted
H-012	885	"	"	"	"	Not Counted
H-014	886	"	"	"	"	Not Counted
H-016	887	"	"	"	"	Not Counted
H-018	888	"	"	"	"	Not Counted
H-020	889	"	"	"	008071	7

TABLE 11 CONTINUED

Station No.	Code No.	Tracerlab Handling Record No.				Planchet α DPM
		Film	Slides		Planchet	
			US	UK		
H-022	890	008124	008082	008083	008071	7
H-024	891	"	"	"	"	54
H-026	892	"	"	"	"	127
H-028	893	"	"	"	"	1,360
H-030	894	"	"	"	"	783
H-032	895	"	"	"	"	555
H-034	896	"	"	"	"	33
H-036	897	"	"	"	"	7
H-038	898	"	"	"	"	33
H-040	899	"	"	"	"	7
H-042	900	"	"	"	"	0
H-044	901	"	"	"	"	0
H-046	902	"	"	"	008076	Not Counted
H-048	903	"	"	"	"	Not Counted
H-050	904	"	"	"	"	Not Counted
H-052	905	"	"	"	"	Not Counted
H-054	906	"	"	"	"	Not Counted
H-056	907	"	"	"	"	Not Counted
H-058	908	"	"	"	"	Not Counted
H-060	909	"	"	"	"	Not Counted
J-000	940	008125	"	"	008077	Not Counted
J-002	941	"	"	"	"	Not Counted
J-004	942	"	"	"	"	Not Counted
J-006	943	"	"	"	"	Not Counted
J-008	944	"	"	"	"	Not Counted
J-010	945	"	"	"	"	Not Counted
J-012	946	"	"	"	"	Not Counted
J-014	947	"	"	"	"	Not Counted
J-016	948	"	"	"	"	Not Counted
J-018	949	"	"	"	"	Not Counted
J-020	950	"	"	"	008072	7
J-022	951	"	"	"	"	7
J-024	952	"	"	"	"	0
J-026	953	"	"	"	"	0
J-028	954	"	"	"	"	2,100
J-030	955	"	"	"	"	1,810
J-032	956	"	"	"	"	273
J-034	957	"	"	"	"	86
J-036	958	"	"	"	"	20
J-038	959	"	"	"	"	40
J-040	960	"	"	"	"	0
J-042	961	"	"	"	"	7
J-044	962	"	"	"	"	13
J-046	963	"	"	"	008077	Not Counted
J-048	964	"	"	"	"	Not Counted
J-050	965	"	"	"	"	Not Counted
J-052	966	"	"	"	"	Not Counted
J-054	967	"	"	"	"	Not Counted
J-056	968	"	"	"	"	Not Counted

TABLE 11 CONTINUED

Station No.	Code No.	Tracerlab Handling Record No.				Planchet α DPM
		Film	Slides		Planchet	
			US	UK		
J-058	969	008125	008082	008083	008077	Not Counted
J-060	970	"	"	"	"	Not Counted
L-000	1001	"	"	"	"	Not Counted
L-002	1002	"	"	"	"	Not Counted
L-004	1003	"	"	"	"	Not Counted
L-006	1004	"	"	"	"	Not Counted
L-008	1005	"	"	"	"	Not Counted
L-010	1006	"	"	"	"	Not Counted
L-012	1007	"	"	"	"	Not Counted
L-014	1008	"	"	"	"	Not Counted
L-016	1009	"	"	"	"	Not Counted
L-018	1010	"	"	"	"	Not Counted
L-020	1011	"	"	"	"	Not Counted
L-022	1012	"	"	"	008072	0
L-024	1013	"	"	"	"	7
L-026	1014	"	"	"	"	0
L-028	1015	"	"	"	"	206
L-030	1016	"	"	"	"	3,280
L-032	1017	"	"	"	"	1,420
L-034	1018	"	"	"	"	446
L-036	1019	"	"	"	"	133
L-038	1020	"	"	"	"	13
L-040	1021	"	"	"	"	7
L-042	1022	"	"	"	"	7
L-044	1023	"	"	"	"	113
L-046-A	1024-A	"	"	"	"	7
L-046-B	1024-B	"	"	"	008077	Not Counted
L-048	1025	"	"	"	"	Not Counted
L-050	1026	"	"	"	"	Not Counted
L-052	1027	"	"	"	"	Not Counted
L-054-A	1028-A	"	"	"	"	Not Counted
L-054-B	1028-B	"	"	"	"	Not Counted
L-056	1029	"	"	"	"	Not Counted
L-058	1030	"	008084	008085	"	Not Counted
L-060	1031	"	"	"	"	Not Counted
L-062	1032	"	"	"	"	Not Counted
N-000	1062	008126	"	"	008078	Not Counted
N-002	1063	"	"	"	"	Not Counted
N-004	1064	"	"	"	"	Not Counted
N-006	1065	"	"	"	"	Not Counted
N-008	1066	"	"	"	"	Not Counted
N-010	1067	"	"	"	"	Not Counted
N-012	1068	"	"	"	"	Not Counted
N-014	1069	"	"	"	"	Not Counted
N-016	1070	"	"	"	"	Not Counted
N-018	1071	"	"	"	"	Not Counted
N-020	1072	"	"	"	"	Not Counted
N-022	1073	"	"	"	008073	0
N-024	1074	"	"	"	"	0

TABLE 11 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
N-026	1075	008126	008084	008085	008073	0
N-028	1076	"	"	"	"	765
N-030	1077	"	"	"	"	851
N-032	1078	"	"	"	"	113
N-034	1079	"	"	"	"	485
N-036	1080	"	"	"	"	1091
N-038	1081	"	"	"	"	106
N-040	1082	"	"	"	"	0
N-042	1083	"	"	"	"	27
N-044	1084	"	"	"	"	0
N-046	1085	"	"	"	008078	NOT COUNTED
N-048	1086	"	"	"	"	"
N-050	1087	"	"	"	"	"
N-052	1088	"	"	"	"	"
N-054	1089	"	"	"	"	"
N-056	1090	"	"	"	"	"
N-058	1091	"	"	"	"	"
N-060	1092	"	"	"	"	"
0-000	1123	"	"	"	"	"
0-002	1124	"	"	"	"	"
0-004	1125	"	"	"	"	"
0-006	1126	"	"	"	"	"
0-008	1127	"	"	"	"	"
0-010	1128	"	"	"	"	"
0-012	1129	"	"	"	"	"
0-014	1130	"	"	"	"	"
0-016	1131	"	"	"	"	"
0-018	1132	"	"	"	"	"
0-020	1133	"	"	"	008073	0
0-022	1134	"	"	"	"	0
0-024	1135	"	"	"	"	0
0-026	1136	"	"	"	"	0
0-028	1137	"	"	"	"	47
0-030	1138	"	"	"	"	1160
0-032	1139	"	"	"	"	1280
0-034	1140	"	"	"	"	53
0-036	1141	"	"	"	"	93
0-038	1142	"	"	"	"	226
0-040	1143	"	"	"	"	33
0-042	1144	"	"	"	"	7
0-044	1145	"	"	"	"	452
0-046A	1146A	"	"	"	008078	NOT COUNTED
0-046B	1146B	"	"	"	"	"
0-048	1147	"	"	"	"	"
0-050	1148	"	"	"	"	"
0-052	1149	"	"	"	"	"
0-054A	1150A	"	"	"	"	"
0-054B	1150B	"	"	"	"	"
0-056	1151	"	"	"	"	"

TABLE 11 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
0-058	1152	008126	008084	008085	008078	"
0-060	1153	"	"	"	"	"
P-012	1190	008127	"	"	008079	NOT COUNTED
P-014	1191	"	"	"	"	"
P-016	1192	"	"	"	"	"
P-018	1193	"	"	"	"	"
P-020	1194	"	"	"	008074	0
P-022	1195	"	"	"	"	0
P-024	1196	"	"	"	"	0
P-026	1197	"	"	"	"	0
P-028	1198	"	"	"	"	0
P-030	1199	"	"	"	"	559
P-032	1200	"	"	"	"	858
P-034	1201	"	"	"	"	532
P-036	1202	"	"	"	"	135
P-038	1203	"	"	"	"	0
P-040	1204	"	"	"	"	33
P-042	1205	"	"	"	"	339
P-044	1206	"	"	"	"	27
P-046	1207	"	"	"	008079	NOT COUNTED
P-048	1208	"	"	"	"	"
P-050	1209	"	"	"	"	"
P-052	1210	"	"	"	"	"
P-054	1211	"	"	"	"	"
P-056	1212	"	"	"	"	"
P-058	1213	"	"	"	"	"
P-060	1214	"	"	"	"	"

TABLE 12 IN

STATION NO.
CO-03.0
CO-03.1
CO-03.2
CO-03.3
CO-03.4
CO-05.0
CO-05.1
CO-05.2
CO-05.3
CO-05.4
CO-07.0
CO-07.1
CO-07.2
CO-07.3
CO-07.4
CO-09.0A
CO-09.0B
CO-09.1
CO-09.2
CO-09.3
CO-09.4
CO-11.0
CO-11.1
CO-11.2
CO-11.3
CO-11.4
CO-13.0
CO-13.1
CO-13.2
CO-13.3
CO-13.4
CO-15.0
CM-13.0
CM-11.4
CM-11.3
CM-11.2
CM-11.1
CM-11.0
CM-09.4
CM-09.3
CM-09.2
CM-09.1
CM-09.0
CM-07.4
CM-07.3
CM-07.2
CM-07.1
CM-07.0A
CM-07.0B
CM-05.4

TABLE 12 INTEGRAL FALLOUT COLLECTOR SAMPLES, CLEAN SLATE 2

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
CO-03.0	1245	008107	MISSING	MISSING	008059	21
CO-03.1	1246	"	"	"	"	42
CO-03.2	1247	"	"	"	"	2550
CO-03.3	1248	MISSING	"	"	"	10000
CO-03.4	1249	008107	"	"	"	27300
CO-05.0	1250	"	"	"	"	33000
CO-05.1	1251	"	"	"	"	35100
CO-05.2	1252	"	"	"	"	43000
CO-05.3	1253	"	"	"	"	45400
CO-05.4	1254	"	"	"	"	25700
CO-07.0	1255	"	"	"	"	22800
CO-07.1	1256	"	"	"	"	20000
CO-07.2	1257	"	"	"	"	18100
CO-07.3	1258	"	"	"	"	14800
CO-07.4	1259	"	"	"	"	9270
CO-09.0A	1260A	"	"	"	"	9410
CO-09.0B	1260B	"	"	"	"	9480
CO-09.1	1261	"	"	"	"	5170
CO-09.2	1262	"	"	"	"	2600
CO-09.3	1263	"	"	"	"	1520
CO-09.4	1264	"	"	"	"	657
CO-11.0	1265	"	"	"	"	1850
CO-11.1	1266	"	"	"	"	1070
CO-11.2	1267	"	"	"	"	934
CO-11.3	1268	"	"	"	"	817
CO-11.4	1269	"	"	"	"	650
CO-13.0	1270	"	"	"	"	623
CO-13.1	1271	"	"	"	"	477
CO-13.2	1272	"	"	"	"	547
CO-13.3	1273	"	"	"	"	401
CO-13.4	1274	"	"	"	"	422
CO-15.0	1275	"	"	"	"	270
CM-13.0	1276	008108	"	"	008062	743
CM-11.4	1277	"	"	"	"	883
CM-11.3	1278	"	"	"	"	1400
CM-11.2	1279	"	"	"	"	1340
CM-11.1	1280	"	"	"	"	2670
CM-11.0	1281	MISSING	"	"	"	1770
CM-09.4	1282	008108	"	"	"	2170
CM-09.3	1283	MISSING	"	"	"	1930
CM-09.2	1284	"	"	"	"	2760
CM-09.1	1285	008108	"	"	"	3320
CM-09.0	1286	"	"	"	"	7690
CM-07.4	1287	"	"	"	"	14500
CM-07.3	1288	"	"	"	"	18800
CM-07.2	1289	MISSING	"	"	"	15500
CM-07.1	1290	008108	"	"	"	17500
CM-07.0A	1291A	"	"	"	"	36300
CM-07.0B	1291B	"	"	"	"	36300
CM-05.4	1292	"	"	"	"	42700

TABLE 12 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
CM-05.3	1293	008108	MISSING	MISSING	008062	30500
CM-05.2	1294	"	"	"	"	20700
CM-05.1	1295	MISSING	"	"	"	37100
CM-05.0	1296	008108	"	"	"	3430
BO-00	1297	"	"	"	008061	3890
BO-01	1298	"	"	"	"	14500
BO-02	1299	"	"	"	"	26000
BO-03	1300	MISSING	"	"	"	30100
BO-04	1301	"	"	"	"	34300
BO-05	1302	"	"	"	"	26000
BO-06	1303	"	"	"	MISSING	
BO-07	1304	008108	"	"	INVALID	
BO-08	1305	"	"	"	008061	6420
BO-09	1306	"	"	"	"	11000
BO-10	1307	"	"	"	"	9200
BO-11	1308	"	"	"	"	6600
BO-12	1309	"	"	"	"	7890
BO-13	1310	"	"	"	"	7200
BO-14	1311	MISSING	"	"	"	5870
BO-15	1312	008108	"	"	"	5850
BO-16	1313	"	"	"	"	3190
BM-16	1314	"	"	"	"	2790
BM-14	1315	"	"	"	"	4310
BM-13	1316	"	"	"	"	10300
BM-12	1317	"	"	"	"	18200
BM-11	1318	"	"	"	"	19700
BM-10	1319	"	"	"	"	14900
BM-09	1320	"	"	"	"	14900
BM-08	1321	MISSING	"	"	"	12000
BM-07	1322	008108	"	"	008061	20700
BM-06	1323	"	"	"	"	25500
BM-05	1324	"	"	"	"	21700
BM-04	1325	MISSING	"	"	"	20800
BM-03	1326	008108	"	"	"	32900
BM-02	1327	"	"	"	"	10300
BM-00	1328	"	"	"	"	1400
BK-00	1329	008109	"	"	008063	BROKEN
BK-02	1330	"	"	"	008063	10200
BK-04	1331	"	"	"	"	7960
BH-04	1332	MISSING	"	"	"	3280
BH-02	1333	008109	"	"	"	1880
BH-00	1334	"	"	"	"	281
BF-02	1335	"	"	"	"	2560
BE-04	1336	"	"	"	"	375
BO-06	1337	MISSING	"	"	"	3100
BC-08	1338	"	"	"	"	790
BD-10	1339	008190	"	"	"	1990
BE-12	1340	MISSING	"	"	"	642
BF-14	1341	008190	"	"	"	214

TABLE 12 C

STATION NO.
BH-16
BH-14
BH-12
BK-12
BK-14
BK-16
B-000
B-004
B-008
B-012
B-016
B-020
B-024
B-028
B-032
B-036A
B-036B
B-040
B-044
B-048
B-052
B-056A
B-056B
B-060
B-064
B-068
B-072
B-076
B-080
B-084
B-088
B-092
B-096
B-100
B-104
B-108
C-000
C-002
C-004
C-006
C-008
C-010
C-012
C-014
C-016
C-018
C-020
C-022
C-024

'ABLE 12 CONTINUED

TATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
H-16	1342	008109	MISSING	MISSING	008063	1500
H-14	1343	MISSING	"	"	"	7090
H-12	1344	008109	"	"	"	18300
K-12	1345	MISSING	"	"	"	33300
K-14	1346	008109	"	"	"	5270
K-16	1347	"	"	"	"	2940
-000	1348	008110	"	"	MISSING	
-004	1349	MISSING	"	"	"	
-008	1350	008110	"	"	"	
-012	1351	"	"	"	"	
-016	1352	MISSING	"	"	"	
-020	1353	"	"	"	"	
-024	1354	"	"	"	"	
-028	1355	"	"	"	"	
-032	1356	"	"	"	008057	27600[a]
-036A	1357A	"	"	"	"	17200[a]
-036B	1357B	008110	"	"	MISSING	
-040	1358	MISSING	"	"	008057	12900[a]
-044	1359	"	"	"	"	10900[a]
-048	1360	008110	"	"	MISSING	
-052	1361	"	"	"	008057	7830[a]
-056A	1362A	"	"	"	MISSING	
-056B	1362B	"	"	"	"	
-060	1363	MISSING	"	"	"	
-064	1364	"	"	"	"	
-068	1365	"	"	"	"	
-072	1366	008110	"	"	"	
-076	1367	"	"	"	"	
-080	1368	"	"	"	"	
-084	1369	"	"	"	"	
-088	1370	"	"	"	"	
-092	1371	"	"	"	"	
-096	1372	"	"	"	"	
-100	1373	"	"	"	"	
-104	1374	"	"	"	"	
-108	1375	"	"	"	"	
-000	1379	MISSING	"	"	"	
-002	1380	"	"	"	"	
-004	1381	008111	"	"	"	
-006	1382	"	"	"	"	
-008	1383	"	"	"	"	
-010	1384	"	"	"	"	
-012	1385	"	"	"	"	
-014	1386	MISSING	"	"	"	
-016	1387	"	"	"	"	
-018	1388	"	"	"	"	
-020	1389	"	"	"	"	
-022	1390	"	"	"	"	
-024	1391	"	"	"	"	

TABLE 12 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
C-026A	1392A	MISSING	MISSING	MISSING	MISSING	
C-026B	1392B	"	"	"	"	
C-028	1393	"	"	"	"	
C-030	1394	"	"	"	"	
C-032	1395	008111	"	"	"	
C-034	1396	MISSING	"	"	"	
C-036	1397	008111	"	"	"	
C-038	1398	"	"	"	"	
C-040	1399	"	"	"	"	
C-042	1400	"	"	"	"	
C-044	1401	"	"	"	"	
C-046A	1402A	"	"	"	"	
C-046B	1402B	"	"	"	"	
C-048	1403	"	"	"	"	
C-050	1404	"	008101	008102	008057	MISSING
C-052	1405	"	"	"	"	4030
C-054	1406	"	"	"	"	1760
C-056	1407	"	"	"	"	2970
C-058	1408	"	"	"	"	2540
C-060	1409	"	"	"	"	1120
C-062	1410	MISSING	"	"	"	1030
C-064	1411	008111	"	"	"	2630
C-066	1412	"	"	"	"	1680
C-068	1413	"	"	"	"	903
C-070	1414	"	"	"	"	2250
C-072	1415	"	"	"	"	1430
C-074	1416	"	"	"	"	1760
C-076	1417	"	"	"	"	1160
C-078	1418	"	"	"	"	1280
C-080	1419	"	"	"	"	709
C-082	1420	"	"	"	"	1050
C-084	1421	"	"	"	"	729
C-086	1422	"	"	"	"	314
C-088	1423	"	"	"	"	301
C-090	1424	"	"	"	"	321
C-092	1425	"	"	"	"	475
C-094	1426	"	"	"	"	201
C-096	1427	"	"	"	"	636
C-098	1428	"	"	"	"	301
C-100	1429	"	"	"	"	227
C-102	1430	"	"	"	"	248
C-104	1431	"	"	"	"	161
C-106	1432	"	"	"	"	221
C-108	1433	"	"	"	"	355
C-110	1434	"	MISSING	MISSING	"	154
C-112	1435	"	"	"	"	154
C-114	1436	"	"	"	"	140

TABLE 12 C

STATION NO.
D-000
D-002
D-004
D-006
D-008
D-010
D-012
D-014
D-016
D-018
D-020
D-022
D-024
D-026
D-028
D-030
D-032
D-034
D-036
D-038
D-040
D-042
D-044
D-046
D-048
D-050
D-052
D-054
D-056
D-058
D-060
D-062
D-064
D-066A
D-066B
D-068
D-070
D-072
D-074
D-076A
D-076B
D-078
D-080
D-082
D-084
D-086
D-088
D-090

TABLE 12 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO.				PLANCHET α DPM
		FILM	SLIDES		PLANCHET	
			US	UK		
D-000	1440	008112	008101	008102	008064	0
D-002	1441	"	"	"	"	7
D-004	1442	"	"	"	"	7
D-006	1443	"	"	"	"	0
D-008	1444	"	"	"	"	0
D-010	1445	"	"	"	"	374
D-012	1446	"	"	"	"	913
D-014	1447	"	"	"	"	2850
D-016	1448	"	"	"	"	3080
D-018	1449	"	"	"	"	4770
D-020	1450	"	"	"	"	5960
D-022	1451	"	"	"	"	5230
D-024	1452	"	"	"	"	6390
D-026	1453	"	"	"	"	6990
D-028	1454	"	"	"	"	4060
D-030	1455	"	"	"	"	3050
D-032	1456	"	"	"	"	3240
D-034	1457	"	"	"	"	2670
D-036	1458	"	"	"	"	2290
D-038	1459	"	"	"	"	2120
D-040	1460	"	"	"	"	1430
D-042	1461	"	"	"	"	2330
D-044	1462	"	"	"	"	1690
D-046	1463	"	"	"	"	851
D-048	1464	"	"	"	"	1360
D-050	1465	"	"	"	"	1010
D-052	1466	"	"	"	"	1180
D-054	1467	"	"	"	"	1290
D-056	1468	"	"	"	"	837
D-058	1469	"	"	"	"	1120
D-060	1470	"	"	"	"	1210
D-062	1471	"	"	"	"	900
D-064	1472	"	"	"	"	1390
D-066A	1473A	"	"	"	"	664
D-066B	1473B	"	"	"	"	830
D-068	1474	"	"	"	"	706
D-070	1475	"	"	"	008091	783
D-072	1476	"	"	"	"	803
D-074	1477	"	"	"	"	1180
D-076A	1478A	"	"	"	"	1120
D-076B	1478B	"	"	"	"	789
D-078	1479	"	"	"	"	749
D-080	1480	"	"	"	"	896
D-082	1481	"	"	"	"	636
D-084	1482	"	"	"	"	856
D-086	1483	"	"	"	"	582
D-088	1484	"	"	"	"	401
D-090	1485	"	"	"	"	508

TABLE 12 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
D-092	1486	008112	008101	008102	008091	361
D-094	1487	"	"	"	"	482
D-096	1488	"	"	"	"	201
D-098	1489	"	"	"	"	134
D-100	1490	"	"	"	"	248
D-102	1491	"	"	"	"	187
D-104	1492	"	"	"	"	288
D-106	1493	"	"	"	"	221
D-108	1494	"	"	"	"	181
D-110	1495	"	"	"	"	154
D-112	1496	"	"	"	"	161
D-114	1497	"	"	"	"	261
E-000	1501	008113	"	"	008092	0
E-002	1502	"	"	"	"	0
E-004	1503	"	"	"	"	0
E-006	1504	"	"	"	"	7
E-008	1505	"	"	"	"	0
E-010	1506	"	"	"	"	0
E-012	1507	"	"	"	"	0
E-014	1508	"	"	"	"	575
E-016	1509	"	"	"	"	3370
E-018	1510	"	"	"	"	7090
E-020	1511	"	"	"	"	6140
E-022	1512	"	"	"	"	10400
E-024	1513	"	"	"	"	9030
E-026	1514	"	"	"	"	1890
E-028	1515	"	"	"	"	2220
E-030	1516	"	"	"	"	3060
E-032	1517	"	"	"	"	2200
E-034	1518	"	"	"	"	1440
E-036A	1519A	"	"	"	"	1380
E-036B	1519B	"	"	"	"	917
E-038	1520	"	"	"	"	1290
E-040	1521	"	"	"	"	1650
E-042	1522	"	"	"	"	1820
E-044	1523	"	"	"	"	1510
E-046	1524	"	"	"	"	2130
E-048	1525	"	"	"	"	1350
E-050	1526	"	"	"	"	1550
E-052	1527	"	"	"	"	1630
E-054	1528	"	"	"	"	1180
E-056A	1529A	"	"	"	"	977
E-056B	1529B	"	"	"	"	856
E-058	1530	"	"	"	"	575
E-060	1531	"	"	"	"	769
E-062	1532	"	"	"	"	723
E-064	1533	"	"	"	"	876
E-066	1534	"	"	"	"	689
E-068	1535	"	"	"	"	589

TABLE 12

STATION NO.
E-070
E-072
E-074
E-076
E-078
E-080
E-082
E-084
E-086
E-088
E-090
E-092
E-094
E-096
E-098
E-100
E-102
E-104
E-106
E-108
E-110
E-112
E-114
F-000
F-002
F-004
F-006
F-008
F-010
F-012
F-014
F-016
F-018
F-020
F-022
F-024
F-026
F-028
F-030
F-032
F-034
F-036
F-038
F-040
F-042
F-044
F-046
F-048

TABLE 12 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
E-070	1536	008113	008101	008102	008093	595
E-072	1537	"	"	"	"	729
E-074	1538	"	"	"	"	709
E-076	1539	"	"	"	"	555
E-078	1540	"	"	"	"	435
E-080	1541	"	"	"	"	381
E-082	1542	"	"	"	"	529
E-084	1543	"	"	"	"	395
E-086	1544	"	"	"	"	355
E-088	1545	"	"	"	"	381
E-090	1546	"	"	"	"	482
E-092	1547	"	"	"	"	341
E-094	1548	"	"	"	"	381
E-096	1549	"	"	"	"	408
E-098	1550	"	"	"	"	268
E-100	1551	"	"	"	"	341
E-102	1552	"	008103	008104	"	335
E-104	1553	"	"	"	"	321
E-106	1554	"	"	"	"	314
E-108	1555	"	"	"	"	154
E-110	1556	"	"	"	"	234
E-112	1557	"	"	"	"	234
E-114	1558	"	"	"	"	207
F-000	1562	008114	MISSING	MISSING	MISSING	
F-002	1563	"	"	"	"	
F-004	1564	"	"	"	"	
F-006	1565	"	"	"	"	
F-008	1566	"	"	"	"	
F-010	1567	"	"	"	"	
F-012	1568	"	"	"	"	
F-014	1569	"	"	"	"	
F-016	1570	"	"	"	"	
F-018	1571	"	"	"	"	
F-020	1572	"	"	"	"	
F-022	1573	MISSING	"	"	"	
F-024	1574	"	"	"	"	
F-026	1575	008114	"	"	"	
F-028	1576	"	"	"	"	
F-030	1577	"	"	"	"	
F-032	1578	"	"	"	"	
F-034	1579	"	""	"	"	
F-036	1580	"	"	"	"	
F-038	1581	"	"	"	"	
F-040	1582	"	"	"	"	
F-042	1583	"	"	"	008094	930 [a]
F-044	1584	"	"	"	"	816 [a]
F-046	1585	"	"	"	"	341 [a]
F-048	1586	"	"	"	"	482 [a]

TABLE 12 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
F-050	1587	008114	MISSING	MISSING	008094	789 [a]
F-052	1588	"	"	"	MISSING	
F-054	1589	"	"	"	"	
F-056	1590	"	"	"	"	
F-058	1591	"	"	"	"	
F-060	1592	"	"	"	"	
F-062	1593	"	"	"	"	
F-064	1594	"	"	"	"	
F-066A	1595A	"	"	"	"	
F-066B	1595B	"	"	"	"	
F-068	1596	"	"	"	"	
F-070	1597	"	"	"	"	
F-072	1598	"	"	"	"	
F-074	1599	"	"	"	"	
F-076A	1600A	"	"	"	"	
F-076B	1600B	"	"	"	"	
F-078	1601	"	"	"	"	
F-080	1602	"	"	"	"	
F-082	1603	"	"	"	"	
F-084	1604	"	"	"	"	
F-086	1605	"	"	"	"	
F-088	1606	"	"	"	"	
F-090	1607	"	"	"	"	
F-092	1608	"	"	"	"	
F-094	1609	"	"	"	"	
F-096	1610	"	"	"	"	
F-098	1611	"	"	"	"	
F-100	1612	"	"	"	"	
F-102	1613	"	"	"	"	
F-104	1614	"	"	"	"	
F-106	1615	"	"	"	"	
F-108	1616	"	"	"	"	
F-110	1617	"	"	"	"	
F-112	1618	"	"	"	"	
F-114	1619	"	"	"	"	
G-000	1623	008115	008103	008104	008095	0
G-002	1624	"	"	"	"	7
G-004	1625	"	"	"	"	0
G-006	1626	"	"	"	"	0
G-008	1627	"	"	"	"	0
G-010	1628	"	"	"	"	NO DATA
G-012	1629	"	"	"	"	0
G-014	1630	"	"	"	"	0
G-016	1631	"	"	"	"	173
G-018	1632	"	"	"	"	1340
G-020	1633	"	"	"	"	5800
G-022	1634	"	"	"	"	5810
G-024	1635	"	"	"	"	8930

TABLE 12 CC

STATION NO.
G-026
G-028
G-030
G-032
G-034
G-036
G-038
G-040
G-042
G-044
G-046
G-048
G-050
G-052
G-054
G-056
G-058
G-060
G-062
G-064
G-066
G-068
G-070
G-072
G-074
G-076
G-078
G-080
G-082
G-084
G-086
G-088
G-090
G-092
G-094
G-096
G-098
G-100
G-102
G-104
G-106
G-108
G-110
G-112
G-114

TABLE 12 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO.				PLANCHET α DPM
		FILM	SLIDES		PLANCHET	
			US	UK		
G-026	1636	008115	008103	008104	008095	4600
G-028	1637	"	"	"	"	3590
G-030	1638	"	"	"	"	1240
G-032	1639	"	"	"	008098	810
G-034	1640	"	"	"	"	623
G-036	1641	"	"	"	"	623
G-038	1642	"	"	"	"	533
G-040	1643	"	"	"	008095	415
G-042	1644	"	"	"	"	291
G-044	1645	"	"	"	"	325
G-046	1646	"	"	"	"	581
G-048	1647	"	"	"	"	270
G-050	1648	"	"	"	"	284
G-052	1649	"	"	"	"	242
G-054	1650	"	"	"	"	401
G-056	1651	"	"	"	"	131
G-058	1652	"	"	"	"	145
G-060	1653	"	"	"	"	381
G-062	1654	"	"	"	"	138
G-064	1655	"	"	"	"	291[a]
G-066	1656	"	"	"	"	381[a]
G-068	1657	"	"	"	"	277[a]
G-070	1658	"	"	"	"	291[a]
G-072	1659	"	MISSING	MISSING	MISSING	
G-074	1660	"	"	"	008095	401[a]
G-076	1661	"	"	"	MISSING	
G-078	1662	"	"	"	"	
G-080	1663	"	"	"	"	
G-082	1664	"	"	"	"	
G-084	1665	"	"	"	"	
G-086	1666	"	"	"	"	
G-088	1667	"	"	"	"	
G-090	1668	"	"	"	"	
G-092	1669	"	"	"	"	
G-094	1670	"	"	"	"	
G-096	1671	"	"	"	"	
G-098	1672	"	"	"	"	
G-100	1673	"	"	"	"	
G-102	1674	"	"	"	"	
G-104	1675	"	"	"	"	
G-106	1676	"	"	"	"	
G-108	1677	"	"	"	"	
G-110	1678	"	"	"	"	
G-112	1679	"	"	"	"	
G-114	1680	"	"	"	"	

TABLE 12 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
H-000	1684	8116	8103	8104	8094	0
H-002	1685	"	"	"	"	0
H-004	1686	"	"	"	"	0
H-006	1687	"	"	"	"	7
H-008	1688	"	"	"	"	0
H-010	1689	"	"	"	"	7
H-012	1690	"	"	"	"	0
H-014	1691	"	"	"	"	0
H-016	1692	"	"	"	"	33
H-018	1693	"	"	"	"	415
H-020	1694	"	"	"	"	3030
H-022	1695	"	MISSING	MISSING	"	6500 [a]
H-024	1696	"	"	"	"	7630 [a]
H-026A	1697A	"	"	"	"	7480 [a]
H-026B	1697B	"	"	"	"	7490 [a]
H-028	1698	"	"	"	"	3100 [a]
H-030-1	1699	"	"	"	MISSING	
H-030-2	1742	"	"	"	"	
H-030-3	1743	"	"	"	"	
H-030-4	1744	"	"	"	"	
H-030-5	1803	"	"	"	"	
H-030-6	1804	"	"	"	"	
H-030-7	1805	"	"	"	"	
H-030-8	1864	"	"	"	"	
H-030-9	1865	"	"	"	"	
H-030-10	1866	"	"	"	"	
H-032	1700	"	"	"	"	
H-034	1701	"	"	"	"	
H-036	1702	"	"	"	"	
H-038	1703	"	"	"	"	
H-040	1704	"	"	"	"	
H-042	1705	"	"	"	"	
H-044	1706	"	"	"	"	
H-046A	1707A	"	"	"	"	
H-046B	1707B	"	"	"	"	
H-048	1708	"	"	"	"	
H-050	1709	"	"	"	"	
H-052	1710	"	"	"	"	
H-054	1711	"	"	"	"	
H-056	1712	"	"	"	"	
H-058	1713	"	"	"	"	
H-060-1	1714	"	"	"	"	
H-060-2	1559	"	"	"	"	
H-060-3	1560	"	"	"	"	
H-060-4	1561	"	"	"	"	
H-060-5	1620	"	"	"	"	
H-060-6	1621	"	"	"	"	
H-060-7	1622	"	"	"	"	
H-060-8	1681	"	"	"	"	

TABLE 12 CC

STATION NO.
H-060-9
H-060-10
H-062
H-064
H-066
H-068
H-070
H-072
H-074
H-076
H-078
H-080
H-082
H-084
H-086
H-088
H-090-1
H-090-2
H-090-3
H-090-4
H-090-5
H-090-6
H-090-7
H-090-8
H-090-9
H-090-10
H-092
H-094
H-096
H-098
H-100
H-102
H-104
H-106
H-108
H-110
H-112
H-114
J-000
J-002
J-004
J-006
J-008
J-010
J-012
J-014
J-016
J-018
J-020

TABLE 12 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
H-060-9	1682	8116	MISSING	MISSING	MISSING	
H-060-10	1683	"	"	"	"	
H-062	1715	"	"	"	"	
H-064	1716	"	"	"	"	
H-066	1717	"	"	"	"	
H-068	1718	"	"	"	"	
H-070	1719	"	"	"	"	
H-072	1720	"	"	"	"	
H-074	1721	"	"	"	"	
H-076	1722	"	"	"	"	
H-078	1723	"	"	"	"	
H-080	1724	"	"	"	"	
H-082	1725	"	"	"	"	
H-084	1726	"	"	"	"	
H-086	1727	"	"	"	"	
H-088	1728	"	"	"	"	
H-090-1	1729	"	"	"	"	
H-090-2	1376	"	"	"	"	
H-090-3	1377	"	"	"	"	
H-090-4	1378	"	"	"	"	
H-090-5	1437	"	"	"	"	
H-090-6	1438	"	"	"	"	
H-090-7	1439	"	"	"	"	
H-090-8	1498	"	"	"	"	
H-090-9	1499	"	"	"	"	
H-090-10	1500	"	"	"	"	
H-092	1730	"	"	"	"	
H-094	1731	"	"	"	"	
H-096	1732	"	"	"	"	
H-098	1733	"	"	"	"	
H-100	1734	"	"	"	"	
H-102	1735	"	"	"	"	
H-104	1736	"	"	"	"	
H-106	1737	"	"	"	"	
H-108	1738	"	"	"	"	
H-110	1739	"	"	"	"	
H-112	1740	"	"	"	"	
H-114	1741	"	"	"	"	
J-000	1745	8117	8103	8104	8096	0
J-002	1746	"	"	"	"	0
J-004	1747	"	"	"	"	0
J-006	1748	"	"	"	"	0
J-008	1749	"	"	"	"	0
J-010	1750	"	"	"	"	0
J-012	1751	"	MISSING	MISSING	"	0
J-014	1752	"	"	"	"	7
J-016	1753	"	"	"	"	7
J-018	1754	"	"	"	"	0
J-020	1755	"	"	"	"	187

TABLE 12 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
J-022	1756	8117	MISSING	MISSING	8096	1020
J-024	1757	"	"	"	"	2880
J-026	1758	"	"	"	"	2230
J-028	1759	"	"	"	"	1340
J-030	1760	"	"	"	"	709
J-032	1761	"	"	"	"	595
J-034	1762	"	"	"	"	462
J-036A	1763A	"	"	"	"	281
J-036B	1763B	"	"	"	"	140
J-038	1764	"	"	"	"	441
J-040	1765	"	"	"	"	207
J-042	1766	"	"	"	"	294
J-044	1767	"	"	"	"	335
J-046	1768	"	"	"	"	281
J-048	1769	"	"	"	"	241
J-050	1770	"	"	"	"	435
J-052	1771	"	"	"	"	147
J-054	1772	"	"	"	"	301
J-056A	1773A	"	"	"	"	114
J-056B	1773B	"	"	"	"	114
J-058	1174	"	"	"	"	268
J-060	1775	"	"	"	"	140
J-062	1776	"	"	"	"	100
J-064	1777	"	"	"	"	74
J-066	1778	"	"	"	"	107
J-068	1779	"	"	"	"	187
J-070	1780	"	"	"	8097	80
J-072	1781	"	"	"	"	67
J-074	1782	"	"	"	"	74
J-076	1783	"	"	"	"	67
J-078	1784	"	"	"	"	67
J-080	1785	"	"	"	"	40
J-082	1786	"	"	"	"	67
J-084	1787	"	"	"	"	54
J-086	1788	"	"	"	"	40
J-088	1789	"	"	"	"	20
J-090	1790	"	"	"	"	40
J-092	1791	"	"	"	"	27
J-094	1792	"	"	"	"	7
J-096	1793	"	"	"	"	33
J-098	1794	"	"	"	"	33
J-100	1795	"	"	"	"	33
J-102	1796	"	"	"	"	47
J-104	1797	"	"	"	"	33
J-106	1798	"	"	"	"	13
J-108	1799	"	"	"	"	20
J-110	1800	"	"	"	"	54
J-112	1801	"	"	"	"	13
J-114	1802	"	"	"	"	13

TABLE 12

STATION NO.
L-000
L-002
L-004
L-006
L-008
L-010
L-012
L-014
L-016
L-018
L-020
L-022
L-024
L-026
L-028
L-030
L-032
L-034
L-036
L-038
L-040
L-042
L-044
L-046
L-048
L-050
L-052
L-054
L-056
L-058
L-060
L-062
L-064
L-066
L-068
L-070
L-072
L-074
L-076
L-078
L-080
L-082
L-084
L-086
L-088
L-090
L-092
L-094
L-096
L-098

TABLE 12 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
L-000	1806	8118	8103	8104	8098	0
L-002	1807	"	"	"	"	0
L-004	1808	"	"	"	"	0
L-006	1809	"	"	"	"	0
L-008	1810	"	"	"	"	0
L-010	1811	"	"	"	"	0
L-012	1812	"	"	"	"	0
L-014	1813	"	"	"	"	0
L-016	1814	"	"	"	"	0
L-018	1815	"	"	"	"	7
L-020	1816	"	"	"	"	0
L-022	1817	"	"	"	"	131
L-024	1818	"	"	"	"	893
L-026	1819	"	"	"	"	1160
L-028	1820	"	"	"	"	381
L-030	1821	"	"	"	"	173
L-032	1822	"	"	"	"	104
L-034	1823	"	"	"	"	215
L-036	1824	"	"	"	"	208
L-038	1825	"	"	"	"	270
L-040	1826	"	"	"	"	180
L-042	1827	"	"	"	"	242
L-044	1828	"	"	"	"	253
L-046	1829	"	"	"	"	118
L-048	1830	"	"	"	"	228
L-050	1831	"	"	"	"	48
L-052	1832	"	"	"	"	118
L-054	1833	"	"	"	"	145
L-056	1834	"	"	"	"	83
L-058	1835	"	"	"	"	48
L-060	1836	"	"	"	"	42
L-062	1837	"	"	"	"	69
L-064	1838	"	"	"	8095	42 a
L-066	1839	"	"	"	"	42 a
L-068	1840	"	"	"	"	111 a
L-070	1841	"	"	"	"	118 a
L-072	1842	"	"	"	MISSING	
L-074	1843	"	MISSING	MISSING	"	
L-076	1844	"	"	"	"	
L-078	1845	"	"	"	"	
L-080	1846	"	"	"	"	
L-082	1847	"	"	"	"	
L-084	1848	"	"	"	"	
L-086	1849	"	"	"	"	
L-088	1850	MISSING	"	"	"	
L-090	1851	8118	"	"	"	
L-092	1852	"	"	"	"	
L-094	1853	"	"	"	"	
L-096	1854	"	"	"	"	
L-098	1855	"	"	"	"	

TABLE 12 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
L-100	1856	8118	MISSING	MISSING	MISSING	
L-102	1857	"	"	"	"	
L-104	1858	"	"	"	"	
L-106	1859	"	"	"	"	
L-108	1860	"	"	"	"	
L-110	1861	"	"	"	"	
L-112	1862	"	"	"	"	
L-114	1863	"	"	"	"	

a: Samples collected during and after rain.

TABLE 13 INTEGRAL FALLOUT COLLECTOR BACKGROUND SAMPLES, CLEAN SLATE 3

Station Number	Planchet & Slide Code Number	Planchet Alpha DPM	Tracerlab Sample Handling Record # Film	Planchet	Slide
BO-08	11245	40	008198	008200	008199
B-078	11246	7	"	"	"
C-090	11247	7	"	"	"
D-030	11248	33	"	"	"
E-090	11249	7	"	"	"
F-030	11250	0	"	"	"
G-090	11251	0	"	"	"
H-030	11252	0	"	"	"
J-090	11253	7	"	"	"
L-030	11254	67	"	"	"

TABLE 14 I

STATION NO.
CO-03.0
CO-03.1
CO-03.2
CO-03.3
CO-03.4
CO-05.0
CO-05.1
CO-05.2
CO-05.3
CO-05.4
CO-07.0
CO-07.1
CO-07.2
CO-07.3
CO-07.4
CO-09.0A
CO-09.0B
CO-09.1
CO-09.2
CO-09.3
CO-09.4
CO-11.0
CO-11.1
CO-11.2
CO-11.3
CO-11.4
CO-13.0
CO-13.1
CO-13.2
CO-13.3
CO-13.4
CO-15.0
CM-13.0
CM-11.4
CM-11.3
CM-11.2
CM-11.1
CM-11.0
CM-09.4
CM-09.3
CM-09.2
CM-09.1
CM-09.0
CM-07.4
CM-07.3
CM-07.2
CM-07.1
CM-07.0A
CM-07.0B

TABLE 14 INTEGRAL FALLOUT COLLECTOR SAMPLES, CLEAN SLATE 3

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO.				PLANCHET α DPM
		FILM	SLIDES		PLANCHET	
			US	UK		
CO-03.0	1867	8152	8165	8166	8128	7
CO-03.1	1868	"	"	"	"	7
CO-03.2	1869	"	"	"	"	0
CO-03.3	1870	"	"	"	"	7
CO-03.4	1871	"	"	"	"	5160
CO-05.0	1872	"	"	"	"	44000
CO-05.1	1873	"	"	"	"	21100
CO-05.2	1874	"	"	"	"	13900
CO-05.3	1875	"	"	"	"	9560
CO-05.4	1876	"	"	"	"	5770
CO-07.0	1877	"	"	"	"	3270
CO-07.1	1878	"	"	"	"	1650
CO-07.2	1879	"	"	"	"	1730
CO-07.3	1880	"	"	"	"	1270
CO-07.4	1881	"	"	"	"	735
CO-09.0A	1882A	"	"	"	"	702
CO-09.0B	1882B	"	"	"	"	540
CO-09.1	1883	"	"	"	"	689
CO-09.2	1884	"	"	"	"	709
CO-09.3	1885	"	"	"	"	377
CO-09.4	1886	"	"	"	"	962
CO-11.0	1887	"	"	"	"	494
CO-11.1	1888	"	"	"	"	579
CO-11.2	1889	"	"	"	"	345
CO-11.3	1890	"	"	"	"	228
CO-11.4	1891	"	"	"	"	618
CO-13.0	1892	"	"	"	"	195
CO-13.1	1893	"	"	"	"	91
CO-13.2	1894	"	"	"	"	39
CO-13.3	1895	"	"	"	"	33
CO-13.4	1896	"	"	"	"	7
CO-15.0	1897	"	"	"	"	25
CM-13.0	1898	8153	"	"	8129	394
CM-11.4	1899	"	"	"	"	208
CM-11.3	1900	"	"	"	"	338
CM-11.2	1901	"	"	"	"	481
CM-11.1	1902	"	"	"	"	1130
CM-11.0	1903	"	"	"	"	1500
CM-09.4	1904	"	"	"	"	1520
CM-09.3	1905	"	"	"	"	943
CM-09.2	1906	"	"	"	"	1000
CM-09.1	1907	"	"	"	" *	689 **
CM-09.0	1908	"	"	"	"	1540
CM-07.4	1909	"	"	"	"	644
CM-07.3	1910	"	"	"	"	2810
CM-07.2	1911	"	"	"	"	2940
CM-07.1	1912	"	"	"	"	1120
CM-07.0A	1913A	"	"	"	"	2170
CM-07.0B	1913B	"	"	"	"	1320

** Sample dropped

TABLE 14 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
CM-05.4	1914	8153	8165	8166	8129	8710
CM-05.3	1915	"	"	"	"	10500
CM-05.2	1916	"	"	"	"	37900
CM-05.1	1917	"	"	"	"	25100
CM-05.0	1918	"	"	"	"	11700
BO-00	1919	"	"	"	8130	25700
BO-01	1920	"	"	"	"	22400
BO-02	1921	"	"	"	"	16100
BO-03	1922	"	"	"	"	7540
BO-04	1923	"	"	"	"	670
BO-05	1924	"	"	"	"	832
BO-06	1925	"	"	"	"	1860
BO-07	1926	"	MISSING	MISSING	MISSING	
BO-08	1927	"	8165	8166	8130	1790
BO-09	1928	"	"	"	"	455
BO-10	1929	"	"	"	"	1040
BO-11	1930	"	"	"	"	1140
BO-12	1931	"	"	"	"	4750
BO-13	1932	"	"	"	"	3850
BO-14	1933	"	"	"	"	4490
BO-15	1934	"	"	"	"	566
BO-16	1935	"	"	"	"	247
BM-16	1936	"	"	"	"	85
BM-14	1937	"	"	"	"	2680
BM-13	1938	"	"	"	"	7280
BM-12	1939	"	"	"	"	3550
BM-11	1940	"	"	"	"	4690
BM-10	1941	"	"	"	"	1250
BM-09	1942	"	"	"	"	351
BM-08	1943	"	"	"	"	956
BM-07	1944	"	"	"	"	988
BM-06	1945	"	"	"	"	1530
BM-05	1946	"	"	"	"	436
BM-04	1947	"	"	"	"	1550
BM-03	1948	"	"	"	"	5620
BM-02	1949	"	"	"	"	3990
BM-00	1950	"	"	"	"	14400
BK-02	1952	8165	"	"	8131	23800
BK-04	1953	"	"	"	"	3700
BH-04	1954	"	"	"	"	37400
BH-02	1955	"	"	"	"	7290
BH-00	1956	"	"	"	"	94
BK-00	1951	"	"	"	"	4080
BF-02	1957	"	MISSING	MISSING	"	–
BE-04	1958	"	8165	8166	"	147
BO-06	1959	"	"	"	"	5350
BC-08	1960	"	"	"	"	13
BD-10	1961	"	"	"	"	67
BE-12	1962	"	"	"	"	13

TABLE 14 C

STATION NO.
BF-14
BH-16
BH-14
BH-12
BK-12
BK-14
BK-16
B-000
B-004
B-008
B-012
B-016
B-020
B-024
B-028
B-032
B-036A
B-036B
B-040
B-044
B-048
B-052
B-056A
B-056B
B-060
B-064
B-068
B-072
B-076
B-080
B-084
B-088
B-092
B-096
B-100
B-104
B-108
C-000
C-002
C-004
C-006
C-008
C-010
C-012
C-014
C-016
C-018
C-020
C-022

TABLE 14 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO.				PLANCHET α DPM
		FILM	SLIDES		PLANCHET	
			US	UK		
BF-14	1963	8165	8165	8166	8131	13
BH-16	1964	"	"	"	"	13
BH-14	1965	"	"	"	"	20
BH-12	1966	"	"	"	"	22100
BK-12	1967	"	"	"	"	9030
BK-14	1968	"	"	"	"	2900
BK-16	1969	"	"	"	"	13
B-000	1970	8154	"	"	8132	27
B-004	1971	"	"	"	"	0
B-008	1972	"	"	"	"	0
B-012	1973	"	"	"	"	33
B-016	1974	"	"	"	"	12600
B-020	1975	"	"	"	"	36700
B-024	1976	"	"	"	"	25400
B-028	1977	"	"	"	"	6890
B-032	1978	"	"	"	"	1480
B-036A	1979A	"	"	"	"	582
B-036B	1979B	"	"	"	"	1390
B-040	1980	"	"	"	"	1590
B-044	1981	"	"	"	"	1470
B-048	1982	"	"	"	"	749
B-052	1983	"	"	"	"	789
B-056A	1984A	"	"	"	"	515
B-056B	1984B	"	"	"	"	515
B-060	1985	"	"	"	"	167
B-064	1986	"	"	"	"	187
B-068	1987	"	"	"	"	408
B-072	1988	"	"	"	"	462
B-076	1989	"	"	"	"	529
B-080	1990	"	"	"	"	301
B-084	1991	"	"	"	"	488
B-088	1992	"	"	"	"	248
B-092	1993	"	"	"	"	214
B-096	1994	"	"	"	"	140
B-100	1995	"	"	"	"	127
B-104	1996	"	"	"	"	47
B-108	1997	"	"	"	"	33
C-000	2001	8155	"	"	8133	0
C-002	2002	"	"	"	"	20
C-004	2003	"	"	"	"	7
C-006	2004	"	"	"	"	7
C-008	2005	"	"	"	"	7
C-010	2006	"	"	"	"	40
C-012	2007	"	"	"	"	13
C-014	2008	"	"	"	"	20
C-016	2009	"	"	"	"	7
C-018	2010	"	8167	8168	"	13
C-020	2011	"	"	"	"	2020
C-022	2012	"	"	"	"	11700

TABLE 14 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO.				PLANCHET α DPM
		FILM	SLIDES		PLANCHET	
			US	UK		
C-024	2013	8155	8167	8168	8133	16200
C-026A	2014A	"	"	"	"	16900
C-026B	2014B	"	"	"	"	12800
C-028	2015	"	"	"	"	14500
C-030	2016	"	"	"	"	10700
C-032	2017	"	"	"	"	6430
C-034	2018	"	"	"	"	3140
C-036	2019	"	"	"	"	1050
C-038	2020	"	"	"	"	328
C-040	2021	"	"	"	"	261
C-042	2022	"	"	"	"	167
C-044	2023	"	"	"	"	161
C-046A	2024A	"	"	"	"	40
C-046B	2024B	"	"	"	"	87
C-048	2025	"	"	"	"	100
C-050	2026	"	"	"	"	475
C-052	2027	"	"	"	"	174
C-054	2028	"	"	"	"	221
C-056	2029	"	"	"	"	201
C-058	2030	"	"	"	"	187
C-060	2031	"	"	"	"	361
C-062	2032	"	"	"	"	207
C-064	2033	"	"	"	"	201
C-066	2034	"	"	"	"	201
C-068	2035	"	"	"	"	227
C-070	2036	"	"	"	8134	248
C-072	2037	"	"	"	"	261
C-074	2038	"	"	"	"	80
C-076	2039	"	"	"	"	274
C-078	2040	"	"	"	"	167
C-080	2041	"	"	"	"	100
C-082	2042	"	"	"	"	227
C-084	2043	"	"	"	"	80
C-086	2044	"	"	"	MISSING	-
C-088	2045	"	"	"	8134	127
C-090	2046	"	"	"	"	47
C-092	2047	"	"	"	"	87
C-094	2048	"	"	"	"	67
C-096	2049	"	"	"	"	47
C-098	2050	"	"	"	"	54
C-100	2051	"	"	"	"	33
C-102	2052	"	"	"	"	47
C-104	2053	"	"	"	"	80
C-106	2054	"	"	"	"	13
C-108	2055	"	"	"	"	13
C-110	2056	"	"	"	"	13
C-112	2057	"	"	"	"	7
C-114	2058	"	"	"	"	7

TABLE 14 C

STATION NO.
D-000
D-002
D-004
D-006
D-008
D-010
D-012
D-014
D-016
D-018
D-020
D-022
D-024
D-026
D-028
D-030
D-032
D-034
D-036
D-038
D-040
D-042
D-044
D-046
D-048
D-050
D-052
D-054
D-056
D-058
D-060
D-062
D-064
D-066A
D-066B
D-068
D-070
D-072
D-074
D-076A
D-076B
D-078
D-080
D-082
D-084
D-086
D-088

TABLE 14 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
)-000	2062	008156	8167	8168	008135	0
)-002	2063	"	"	"	"	7
)-004	2064	"	"	"	"	0
)-006	2065	"	"	"	"	7
)-008	2066	"	"	"	"	39
)-010	2067	"	"	"	"	59
)-012	2068	"	"	"	"	7
)-014	2069	"	"	"	"	7
)-016	2070	"	"	"	"	7
)-018	2071	"	"	"	"	7
-020	2072	"	"	"	"	98
-022	2073	"	"	"	"	449
-024	2074	"	"	"	"	2160
-026	2075	"	"	"	"	3070
-028	2076	"	"	"	"	8000
-030	2077	"	"	"	"	13600
-032	2078	"	"	"	"	8190
-034	2079	"	"	"	"	6630
-036	2080	"	"	"	"	3350
-038	2081	"	"	"	"	2030
-040	2082	"	"	"	"	787
-042	2083	"	"	"	"	267
-044	2084	"	"	"	"	403
-046	2085	"	"	"	"	91
-048	2086	"	"	"	"	137
-050	2087	"	"	"	"	52
-052	2088	"	"	"	"	46
-054	2089	"	"	"	"	46
-056	2090	"	"	"	"	124
-058	2091	"	"	"	"	13
-060	2092	"	"	"	"	143
-062	2093	"	"	"	"	59
-064	2094	"	"	"	"	38
-066A	2095A	"	"	"	"	124
-066B	2095B	"	"	"	"	91
-068	2096	"	"	"	"	72
070	2097	"	"	"	008136	227
072	2098	"	"	"	"	207
074	2099	"	"	"	"	140
076A	2100A	"	"	"	"	154
076B	2100B	"	"	"	"	120
078	2101	"	"	"	"	147
080	2102	"	"	"	"	DAMAGED
082	2103	"	"	"	"	DAMAGED
084	2104	"	"	"	"	DAMAGED
086	2105	"	"	"	"	147
088	2106	"	"	"	"	94

TABLE 14 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
D-090	2107	8156	8167	8168	8136	27
D-092	2108	"	"	"	"	80
D-094	2109	"	"	"	"	54
D-096	2110	"	"	"	"	27
D-098	2111	"	"	"	"	27
D-100	2112	"	"	"	"	13
D-102	2113	"	"	"	"	20
D-104	2114	"	"	"	"	20
D-106	2115	"	"	"	"	7
D-108	2116	"	"	"	"	33
D-110	2117	"	"	"	"	7
D-112	2118	"	"	"	"	7
D-114	2119	"	"	"	"	54
E-000	2123	8157	"	"	8137	7
E-002	2124	"	"	"	"	0
E-004	2125	"	"	"	"	0
E-006	2126	"	"	"	"	73
E-008	2127	"	"	"	"	59
E-010	2128	"	"	"	"	7
E-012	2129	"	"	"	"	0
E-014	2130	"	"	"	"	0
E-016	2131	"	"	"	"	7
E-018	2132	"	"	"	"	0
E-020	2133	"	"	"	"	7
E-022	2134	"	"	"	"	0
E-024	2135	"	"	"	"	416
E-026	2136	"	"	"	"	839
E-028	2137	"	"	"	"	4560
E-030	2138	"	"	"	"	11900
E-032	2139	"	"	"	"	16700
E-034	2140	"	"	"	"	10300
E-036A	2141A	"	"	"	"	12400
E-036B	2141B	"	"	"	"	11800
E-038	2142	"	"	"	"	4420
E-040	2143	"	"	"	"	2420
E-042	2144	"	"	"	"	462
E-044	2145	"	"	"	"	429
E-046	2146	"	"	"	"	286
E-048	2147	"	"	"	"	156
E-050	2148	"	"	"	"	59
E-052	2149	"	"	"	"	33
E-054	2150	"	"	"	"	78
E-056A	2151A	"	"	"	"	111
E-056B	2151B	"	"	"	"	7
E-058	2152	"	8169	8170	"	46
E-060	2153	"	"	"	"	26
E-062	2154	"	"	"	"	111
E-064	2155	"	"	"	"	7
E-066	2156	"	"	"	"	59

TABLE 14 CO

STATION NO.
E-068
E-070
E-072
E-074
E-076
E-078
E-080
E-082
E-084
E-086
E-088
E-090
E-092
E-094
E-096
E-098
E-100
E-102
E-104
E-106
E-108
E-110
F-000
F-002
F-004
F-006
F-008
F-010
F-012
F-014
F-016
F-018
F-020
F-022
F-024
F-026
F-028
F-030
F-032
F-034
F-036
F-038
F-040
F-042
F-044
F-046
F-048

TABLE 14 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
E-068	2157	008157	8169	8170	008137	65
E-070	2158	"	"	"	008138	140
E-072	2159	"	"	"	"	74
E-074	2160	"	"	"	"	114
E-076	2161	"	"	"	"	13
E-078	2162	"	"	"	"	100
E-080	2163	"	"	"	"	33
E-082	2164	"	"	"	"	47
E-084	2165	"	"	"	"	87
E-086	2166	"	"	"	"	54
E-088	2167	"	"	"	"	40
E-090	2168	"	"	"	"	20
E-092	2169	"	"	"	"	20
E-094	2170	"	"	"	"	27
E-096	2171	"	"	"	"	13
E-098	2172	"	"	"	"	20
E-100	2173	"	"	"	"	27
E-102	2174	"	"	"	"	7
E-104	2175	"	"	"	"	7
E-106	2176	"	"	"	"	7
E-108	2177	"	"	"	"	13
E-110	2178	"	"	"	"	7
F-000	2184	008158	"	"	008139	0
F-002	2185	"	"	"	"	0
F-004	2186	"	"	"	"	7
F-006	2187	"	"	"	"	21
F-008	2188	"	"	"	"	0
F-010	2189	"	"	"	"	0
F-012	2190	"	"	"	"	7
F-014	2191	"	"	"	"	7
F-016	2192	"	"	"	"	13
F-018	2193	"	"	"	"	7
F-020	2194	"	"	"	"	7
F-022	2195	"	"	"	"	20
F-024	2196	"	"	"	MISSING	0
F-026	2197	"	"	"	008139	7
F-028	2198	"	"	"	"	767
F-030	2199	"	"	"	"	3500
F-032	2200	"	"	"	"	6825
F-034	2201	"	"	"	"	8970
F-036	2202	"	"	"	"	7150
F-038	2203	"	"	"	"	6250
F-040	2204	"	"	"	"	2520
F-042	2205	"	"	"	"	722
F-044	2206	"	"	"	"	176
F-046	2207	"	"	"	"	338
F-048	2208	"	"	"	"	215

TABLE 14 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
F-050	2209	8158	8169	8170	8139	481
F-052	2210	"	"	"	"	195
F-054	2211	"	"	"	"	7
F-056	2212	"	"	"	"	39
F-058	2213	"	"	"	"	72
F-060	2214	"	"	"	"	7
F-062	2215	"	"	"	"	39
F-064	2216	"	"	"	"	26
F-066A	2217A	"	"	"	"	46
F-066B	2217B	"	"	"	"	143
F-068	2218	"	"	"	"	117
F-070	2219	"	"	"	8140	33
F-072	2220	"	"	"	"	26
F-074	2221	"	"	"	"	91
F-076A	2222A	"	"	"	"	39
F-076B	2222B	"	"	"	"	117
F-078	2223	"	"	"	"	52
F-080	2224	"	"	"	"	39
F-082	2225	"	"	"	"	65
F-084	2226	"	"	"	"	52
F-086	2227	"	"	"	"	65
F-088	2228	"	"	"	"	13
F-090	2229	"	"	"	"	13
F-092	2230	"	"	"	"	13
F-094	2231	"	"	"	"	20
F-096	2232	"	"	"	"	13
F-098	2233	"	"	"	"	0
F-100	2234	"	"	"	"	0
F-102	2235	"	"	"	"	7
F-104	2236	"	"	"	"	0
F-106	2237	"	"	"	"	0
F-108	2238	"	"	"	"	0
F-110	2239	"	"	"	"	0
G-000	2245	8159	"	"	8143	0
G-002	2246	"	"	"	"	0
G-004	2247	"	"	"	"	0
G-006	2248	"	"	"	"	0
G-008	2249	"	"	"	"	0
G-010	2250	"	"	"	"	13
G-012	2251	"	"	"	"	27
G-014	2252	"	"	"	"	7
G-016	2253	"	"	"	"	13
G-018	2254	"	"	"	"	0
G-020	2255	"	"	"	"	7
G-022	2256	"	"	"	"	0
G-024	2257	"	"	"	"	7
G-026	2258	"	"	"	"	0

TABLE 14 C

STATION NO.
G-028
G-030
G-032
G-034
G-036
G-038
G-040
G-042
G-044
G-046
G-048
G-050
G-052
G-054
G-056
G-058
G-060
G-062
G-064
G-066
G-068
G-070
G-072
G-074
G-076
G-078
G-080
G-082
G-084
G-086
G-088
G-090
G-092
G-094
G-096
G-098
G-100
G-102
G-104
G-106
G-108
G-110
H-000
H-002
H-004
H-006
H-008
H-010
H-012

TABLE 14 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO.				PLANCHET α DPM
		FILM	SLIDES		PLANCHET	
			US	UK		
G-028	2259	008159	008169	008170	008143	167
G-030	2260	"	"	"	"	716
G-032	2261	"	"	"	"	5640
G-034	2262	"	"	"	"	4940
G-036	2263	"	"	"	"	5420
G-038	2264	"	"	"	"	3290
G-040	2265	"	"	"	"	1820
G-042	2266	"	"	"	"	836
G-044	2267	"	"	"	"	528
G-046	2268	"	"	"	"	348
G-048	2269	"	"	"	"	281
G-050	2270	"	"	"	"	114
G-052	2271	"	"	"	"	167
G-054	2272	"	"	"	"	20
G-056	2273	"	"	"	"	54
G-058	2274	"	"	"	"	13
G-060	2275	"	"	"	"	7
G-062	2276	"	"	"	"	7
G-064	2277	"	"	"	"	20
G-066	2278	"	"	"	"	40
G-068	2279	"	"	"	"	20
G-070	2280	"	"	"	008144	13
G-072	2281	"	"	"	"	33
G-074	2282	"	"	"	"	33
G-076	2283	"	"	"	"	13
G-078	2284	"	"	"	"	52
G-080	2285	"	"	"	"	20
G-082	2286	"	"	"	"	13
G-084	2287	"	"	"	"	7
G-086	2288	"	"	"	"	0
G-088	2289	"	"	"	"	0
G-090	2290	MISSING	"	"	MISSING	-
G-092	2291	008159	"	"	008144	7
G-094	2292	"	"	"	"	0
G-096	2293	"	"	"	"	0
G-098	2294	"	"	"	"	0
G-100	2295	"	"	"	"	7
G-102	2296	"	"	"	"	0
G-104	2297	"	"	"	"	7
G-106	2298	"	"	"	"	7
G-108	2299	"	"	"	"	0
G-110	2300	"	"	"	"	0
H-000	2306	008160	008171	008172	008145	20
H-002	2307	"	"	"	"	0
H-004	2308	"	"	"	"	7
H-006	2309	"	"	"	"	0
H-008	2310	"	"	"	"	0
H-010	2311	"	"	"	"	20
H-012	2312	"	"	"	"	7

TABLE 14 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
H-014	2313	008160	8171	8172	008145	7
H-016	2314	"	"	"	"	13
H-018	2315	"	"	"	"	7
H-020	2316	"	"	"	"	0
H-022	2317	"	"	"	"	0
H-024	2318	"	"	"	"	0
H-026A	2319A	"	"	"	"	65
H-026B	2319B	"	"	"	"	0
H-028	2320	"	"	"	"	7
H-030-4	2321	"	"	"	008147	816
H-032	2322	"	"	"	008145	2880
H-034	2323	"	"	"	"	6570
H-036	2324	"	"	"	"	6890
H-038	2325	"	"	"	"	5370
H-040	2326	"	"	"	"	3010
H-042	2327	"	"	"	"	1890
H-044	2328	"	"	"	"	839
H-046A	2329A	"	"	"	"	267
H-046B	2329B	"	"	"	"	780
H-048	2330	"	"	"	"	215
H-050	2331	"	"	"	"	267
H-052	2332	"	"	"	"	91
H-054	2333	"	"	"	"	26
H-056	2334	"	"	"	"	7
H-058	2335	"	"	"	"	7
H-060-4	2336	"	"	"	008147	0
H-062	2337	"	"	"	008145	0
H-064	2338	"	"	"	"	33
H-066	2339	"	"	"	"	52
H-068	2340	"	"	"	"	33
H-070	2341	"	"	"	"	26
H-072	2342	"	"	"	"	46
H-074	2343	"	"	"	008146	39
H-076	2344	"	"	"	"	39
H-078	2345	"	"	"	"	20
H-080	2346	"	"	"	"	20
H-082	2347	"	"	"	"	20
H-084	2348	"	"	"	"	7
H-086	2349	"	"	"	"	26
H-088	2350	"	MISSING	MISSING	MISSING	-
H-090-4	2351	"	8171	8172	008147	67
H-092	2352	"	"	"	008146	0
H-094	2353	"	"	"	"	0
H-096	2354	"	"	"	"	0
H-098	2355	"	"	"	"	7
H-100	2356	"	"	"	"	7
H-102	2357	"	"	"	"	0
H-104	2358	"	"	"	"	20
H-106	2359	"	"	"	"	0

TABLE 14 C

STATION NO.
H-108
H-110
J-000
J-002
J-004
J-006
J-008
J-010
J-012
J-014
J-016
J-018
J-020
J-022
J-024
J-026
J-028
J-030
J-032
J-034
J-036A
J-036B
J-038
J-040
J-042
J-044
J-046
J-048
J-050
J-052
J-054
J-056A
J-056B
J-058
J-060
J-062
J-064
J-066
J-068
J-070
J-072
J-074
J-076
J-078
J-080
L-000
L-002
L-004
L-006

TABLE 14 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO.				PLANCHET α DPM
		FILM	SLIDES		PLANCHET	
			US	UK		
H-108	2360	008160	008171	008172	008146	26
H-110	2361	"	"	"	"	0
J-000	2367	008161	"	"	008148	0
J-002	2368	"	"	"	"	0
J-004	2369	"	"	"	"	0
J-006	2370	"	"	"	"	0
J-008	2371	"	"	"	"	7
J-010	2372	"	"	"	"	0
J-012	2373	"	"	"	"	0
J-014	2374	"	"	"	"	7
J-016	2375	"	"	"	"	13
J-018	2376	"	"	"	"	0
J-020	2377	"	"	"	"	0
J-022	2378	"	"	"	"	7
J-024	2379	"	"	"	"	0
J-026	2380	"	"	"	"	0
J-028	2381	"	"	"	"	7
J-030	2382	"	"	"	"	7
J-032	2383	"	"	"	"	341
J-034	2384	"	"	"	"	1460
J-036A	2385A	"	"	"	"	2150
J-036B	2385B	"	"	"	"	1690
J-038	2386	"	"	"	"	2040
J-040	2387	"	"	"	"	769
J-042	2388	"	"	"	"	615
J-044	2389	"	"	"	"	569
J-046	2390	"	"	"	"	221
J-048	2391	"	"	"	"	127
J-050	2392	"	"	"	"	80
J-052	2393	"	"	"	"	147
J-054	2394	"	"	"	"	74
J-056A	2395A	"	"	"	"	33
J-056B	2395B	"	"	"	"	27
J-058	2396	"	"	"	"	7
J-060	2397	"	"	"	"	7
J-062	2398	"	"	"	"	0
J-064	2399	"	"	"	"	13
J-066	2400	"	"	"	"	13
J-068	2401	"	"	"	"	13
J-070	2402	"	"	"	"	13
J-072	2403	"	"	"	"	33
J-074	2404	"	"	"	"	20
J-076	2405	"	"	"	"	20
J-078	2406	"	"	"	"	13
J-080	2407	"	"	"	"	13
L-000	2428	008162	"	"	008149	0
L-002	2429	"	"	"	"	0
L-004	2430	"	"	"	"	40
L-006	2431	"	"	"	"	40

TABLE 14 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
L-008	2432	8162	8171	8172	8149	20
L-010	2433	"	"	"	"	7
L-012	2434	"	"	"	"	7
L-014	2435	"	"	"	"	7
L-016	2436	"	"	"	"	0
L-018	2437	"	"	"	"	60
L-020	2438	"	"	"	"	0
L-022	2439	"	"	"	"	7
L-024	2440	"	"	"	"	0
L-026	2441	"	"	"	"	0
L-028	2442	"	"	"	"	0
L-030	2443	"	"	"	"	13
L-032	2444	"	"	"	"	7
L-034	2445	"	"	"	"	33
L-036	2446	"	"	"	"	917
L-038	2447	"	"	"	"	3120
L-040	2448	"	"	"	"	1510
L-042	2449	"	"	"	"	1200
L-044	2450	"	"	"	"	1260
L-046	2451	"	"	"	"	482
L-048	2452	"	"	"	"	615
L-050	2453	"	"	"	"	281
L-052	2454	"	8173	8174	"	87
L-054	2455	"	"	"	"	54
L-056	2456	"	"	"	"	74
L-058	2457	"	"	"	"	33
L-060	2458	"	"	"	"	0

TABLE 15 STA
COI

STATION NO.
H-030-Y-1
H-030-Y-2
H-030-Y-3
H-030-Y-4
H-030-Y-5
H-030-Y-6
H-030-Y-7
H-030-Y-8
H-030-Y-9
H-030-Y-10
H-060-Y-1
H-060-Y-2
H-060-Y-3
H-060-Y-4
H-060-Y-5
H-060-Y-6
H-060-Y-7
H-060-Y-8
H-060-Y-9
H-060-Y-10
H-090-Y-1
H-090-Y-2
H-090-Y-3
H-090-Y-4
H-090-Y-5
H-090-Y-6
H-090-Y-7
H-090-Y-8
H-090-Y-9
H-090-Y-10

ABLE 15 STAR-SHAPED CLUSTERS OF INTEGRAL FALLOUT COLLECTOR SAMPLES, CLEAN SLATE 3

		TRACERLAB HANDLING RECORD NO.				
TATION NO.	CODE NO.	FILM	SLIDES		PLANCHET	PLANCHET α DPM
			US	UK		
-030-Y-1	1998		8165	8166	008147	769
-030-Y-2	1999		"	"	"	609
-030-Y-3	2000		"	"	"	930
-030-Y-4	2321		8171	8172	"	816
-030-Y-5	2059		8167	8168	"	1180
-030-Y-6	2060		"	"	"	1100
-030-Y-7	2061		"	"	"	1080
-030-Y-8	2120		"	"	"	850
-030-Y-9	2121		"	"	"	502
-030-Y-10	2122		"	"	"	1160
-060-Y-1	2181		8169	8170	"	0
-060-Y-2	2182		"	"	"	27
-060-Y-3	2183		"	"	"	0
-060-Y-4	2336		8171	8172	"	0
-060-Y-5	2242		8169	8170	"	0
-060-Y-6	2243		"	"	"	0
-060-Y-7	2244		"	"	"	13
-060-Y-8	2303		8171	8172	"	0
-060-Y-9	2304		"	"	"	13
-060-Y-10	2305		"	"	"	0
-090-Y-1	2364		8171	8172	"	13
-090-Y-2	2365		"	"	"	0
-090-Y-3	2366		"	"	"	7
-090-Y-4	2351		"	"	"	67
-090-Y-5	2425		"	"	"	0
-090-Y-6	2426		"	"	"	33
-090-Y-7	2427		"	"	"	0
-090-Y-8	2486		8173	8174	"	7
-090-Y-9	2487		"	"	"	74
-090-Y-10	2488		"	"	"	13

TABLE 16 INCREMENTAL FALLOUT COLLECTOR SAMPLES, DOUBLE TRACKS

Station No.	Code No.	Tracerlab Handling Record Number: Film	Slides US	Slides UK	Planchet	Planchet Alpha DPM
L-034-3	3125	008049	008038	008037	008036	6
L-034-4	3126	"	"	"	"	0
L-034-5	3127	"	"	"	"	6
L-046-1	3143	"	"	"	"	0
L-046-2	3144	"	"	"	"	0
L-046-3	3145	"	"	"	"	0
L-046-4	3146	"	"	"	"	44
L-046-5	3147	"	"	"	"	0
L-070-1	3118	"	"	"	"	0
L-070-2	3119	"	"	"	"	0
L-070-3	3120	"	"	"	"	0
L-070-4	3121	"	"	"	"	0
L-070-5	3122	"	"	"	"	0

TABLE 17 INCREMENTAL FALLOUT COLLECTOR SAMPLES, CLEAN SLATE 1

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO.: FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
L-022-1	2702	008127	008084	008085	008074	13
L-022-3	2704	"	"	"	"	0
L-026-1	2677	"	"	"	"	0
L-026-3	2679	"	"	"	"	0
L-026-4	2680	"	"	"	"	0
L-030-1	2707	"	"	"	"	86
L-030-2	2708	"	"	"	"	20
L-030-3	2709	"	"	"	"	0
L-030-4	2710	"	"	"	"	0
L-030-5	2711	"	"	"	"	0
L-042-2	2663	"	"	"	"	0
L-042-3	2664	"	"	"	"	7
L-042-4	2665	"	"	"	"	0
L-042-5	2666	"	"	"	"	0
L-046-1	2667	"	"	"	"	0
L-046-2	2668	"	"	"	"	0
L-046-3	2669	"	"	"	"	7
L-046-4	2670	"	"	"	"	0
L-046-5	2671	"	"	"	"	7
L-050-1	2672	"	"	"	"	0
L-050-2	2673	"	"	"	"	0
L-050-3	2674	"	"	"	"	0
L-050-4	2675	"	"	"	"	0
L-050-5	2676	"	"	"	"	0

TABLE 18 INCI

STATION NO.
F-022-1
F-022-2
F-022-3
F-022-4
F-022-5
F-026-1
F-026-2
F-026-3
F-026-4
F-026-5
F-030-1
F-030-2
F-030-3
F-030-4
F-030-5
F-034-2
F-038-1
F-038-2
F-038-3
F-038-4
F-038-5
F-042-1
F-042-2
F-042-3
F-042-4
F-042-5
F-046-1
F-046-2
F-046-3
F-046-4
F-046-5
F-050-1
F-050-2
F-050-3
F-050-4
F-050-5
F-054-1
F-054-2
F-054-3
F-054-4
F-054-5

BLE 18 INCREMENTAL FALLOUT COLLECTOR SAMPLES, CLEAN SLATE 2

ATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
22-1	2612	008119	008102	008104	008099	13
22-2	2613	"	"	"	"	87
22-3	2614	"	"	"	"	174
22-4	2615	"	"	"	"	67
22-5	2616	"	"	"	"	47
26-1	2607	"	"	"	"	13
26-2	2608	"	"	"	"	167
26-3	2609	"	"	"	"	80
026-4	2610	"	"	"	"	13
026-5	2611	"	"	"	"	120
30-1	2602	"	"	"	"	7
30-2	2603	"	"	"	"	7
30-3	2604	"	"	"	"	0
030-4	2605	"	"	"	"	0
30-5	2606	"	"	"	"	180
34-2		"	"	"	"	
38-1	2647	"	008105	008106	"	152
38-2	2648	"	"	"	"	256
38-3	2649	"	"	"	"	35
38-4	2650	"	"	"	"	0
38-5	2651	"	"	"	"	21
42-1	2652	"	"	"	"	136
042-2	2653	"	"	"	"	471
42-3	2654	"	"	"	"	47
42-4	2655	"	"	"	"	62
42-5	2656	"	"	"	"	7
46-1	2642	"	008103	008104	"	97
46-2	2643	"	008105	008106	"	256
46-3	2644	"	"	"	"	187
46-4	2645	"	"	"	"	140
46-5	2646	"	"	"	"	74
050-1	2637	"	008103	008104	008100	83
50-2	2638	"	"	"	"	173
50-3	2639	"	"	"	"	180
50-4	2640	"	"	"	"	69
50-5	2641	"	"	"	"	97
54-1	2632	"	"	"	"	7
54-2	2633	"	"	"	"	48
54-3	2634	"	"	"	"	159
54-4	2635	"	"	"	"	125
54-5	2636	"	"	"	"	152

TABLE 18 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO. FILM	SLIDES US	SLIDES UK	PLANCHET	PLANCHET α DPM
F-058-1	2627	008119	008103	008104	008100	0
F-058-2	2628	"	"	"	"	284
F-058-3	2629	"	"	"	"	360
F-058-4	2630	"	"	"	"	118
F-058-5	2631	"	"	"	"	28
F-062-1	2622	"	"	"	"	0
F-062-2	2623	"	"	"	"	27
F-062-3	2624	"	"	"	"	54
F-062-4	2625	"	"	"	"	100
F-062-5	2626	"	"	"	"	207
F-066-1	2617	"	"	"	"	0
F-066-3	2619	"	"	"	"	33
F-066-4	2620	"	"	"	"	201

TABLE 19 MALFUNCTIONS OF INCREMENTAL FALLOUT COLLECTOR SYSTEMS, CLEAN SLATE 3

STATION	INCREMENT	COMMENTS
F-024	1,2,4 and 5	Samples recovered
	3	Failed to close; mechanical defect
F-050	1,2,4 and 5	Samples recovered
	3	Failed to open; mechanical defect
F-066	1 thru 4	Samples recovered
	5	Failed to open; mechanical defect
F-082	1	Sample recovered
	2	Failed to close; electrical defect
	3 thru 5	Failed to open; electrical defect
F-092	1,2,4 and 5	Samples recovered
	3	Cover failed to close completely: sample recovered
F-098	1 and 3	Failed to close; electrical defect
	2	Failed to open; electrical defect
	4	Cover touched acetate film slightly: sample recovered
	5	Sample recovered

TABLE 20 D

STATION NO.
F-016-1
F-016-2
F-016-3
F-016-4
F-016-5
F-024-1
F-024-2
F-024-4
F-024-5
F-032-1
F-032-2
F-032-3
F-032-4
F-032-5
F-042-1
F-042-2
F-042-3
F-042-4
F-042-5
F-050-1
F-050-2
F-050-4
F-050-5
F-058-1
F-058-2
F-058-3
F-058-4
F-058-5
F-066-2
F-066-3
F-066-4
F-066-5
F-074-1
F-074-2
F-074-3
F-074-4
F-074-5
F-082-1

TABLE 20 INCREMENTAL FALLOUT COLLECTOR SAMPLES, CLEAN SLATE 3

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO.				PLANCHET α DPM
		FILM	SLIDES		PLANCHET	
			US	UK		
F-016-1	2562	8163	8173	8179	8150	7
F-016-2	2563	"	"	"	"	7
F-016-3	2564	"	"	"	"	7
F-016-4	2565	"	"	"	"	7
F-016-5	2566	"	"	"	"	0
F-024-1	2587	"	"	"	"	40
F-024-2	2588	"	"	"	"	13
F-024-4	2590	"	"	"	"	33
F-024-5	2591	"	"	"	"	20
F-032-1	2577	"	"	"	"	27
F-032-2	2578	"	"	"	"	27
F-032-3	2579	"	"	"	"	67
F-032-4	2580	"	"	"	"	60
F-032-5	2581	"	"	"	"	33
F-042-1	2557	"	"	"	"	7
F-042-2	2558	"	"	"	"	0
F-042-3	2559	"	"	"	"	0
F-042-4	2560	"	"	"	"	7
F-042-5	2561	"	"	"	"	0
F-050-1	2547	"	"	"	"	13
F-050-2	2548	"	"	"	"	0
F-050-4	2550	"	"	"	"	7
F-050-5	2551	"	"	"	"	0
F-058-1	2537	"	"	"	"	0
F-058-2	2538	"	"	"	"	0
F-058-3	2539	"	"	"	"	13
F-058-4	2540	"	"	"	"	7
F-058-5	2541	"	"	"	"	7
F-066-2	2573	"	"	"	"	0
F-066-3	2574	"	"	"	"	0
F-066-4	2575	"	"	"	"	13
F-066-5	2576	"	"	"	"	7
F-074-1	2582	"	"	"	8151	20
F-074-2	2583	"	"	"	"	20
F-074-3	2584	"	"	"	"	20
F-074-4	2585	"	"	"	"	33
F-074-5	2586	"	"	"	"	0
F-082-1	2592	"	"	"	"	20

TABLE 20 CONTINUED

STATION NO.	CODE NO.	TRACERLAB HANDLING RECORD NO.				PLANCHET α DPM
		FILM	SLIDES		PLANCHET	
			US	UK		
F-092-1	2567	8163	8173	8174	8151	0
F-092-2	2568	"	"	"	"	13
F-092-3	2569	"	"	"	"	59
F-092-4	2570	"	"	"	"	20
F-092-5	2571	"	"	"	"	26
F-098-4	2555	"	"	"	"	20
F-098-5	2556	"	"	"	"	0
F-104-1	2542	"	"	"	"	7
F-104-2	2543	"	"	"	"	7
F-104-3	2544	"	"	"	"	13
F-104-4	2545	"	"	"	"	13
F-104-5	2546	"	"	"	"	7

Figure 1 Applying resinous solution to integral fallout collector. (DASA 120-02-TTR-63)

Figure 2 Affixing cellulose acetate cover film to integral fallout collector. (DASA 120-03-TTR-63)

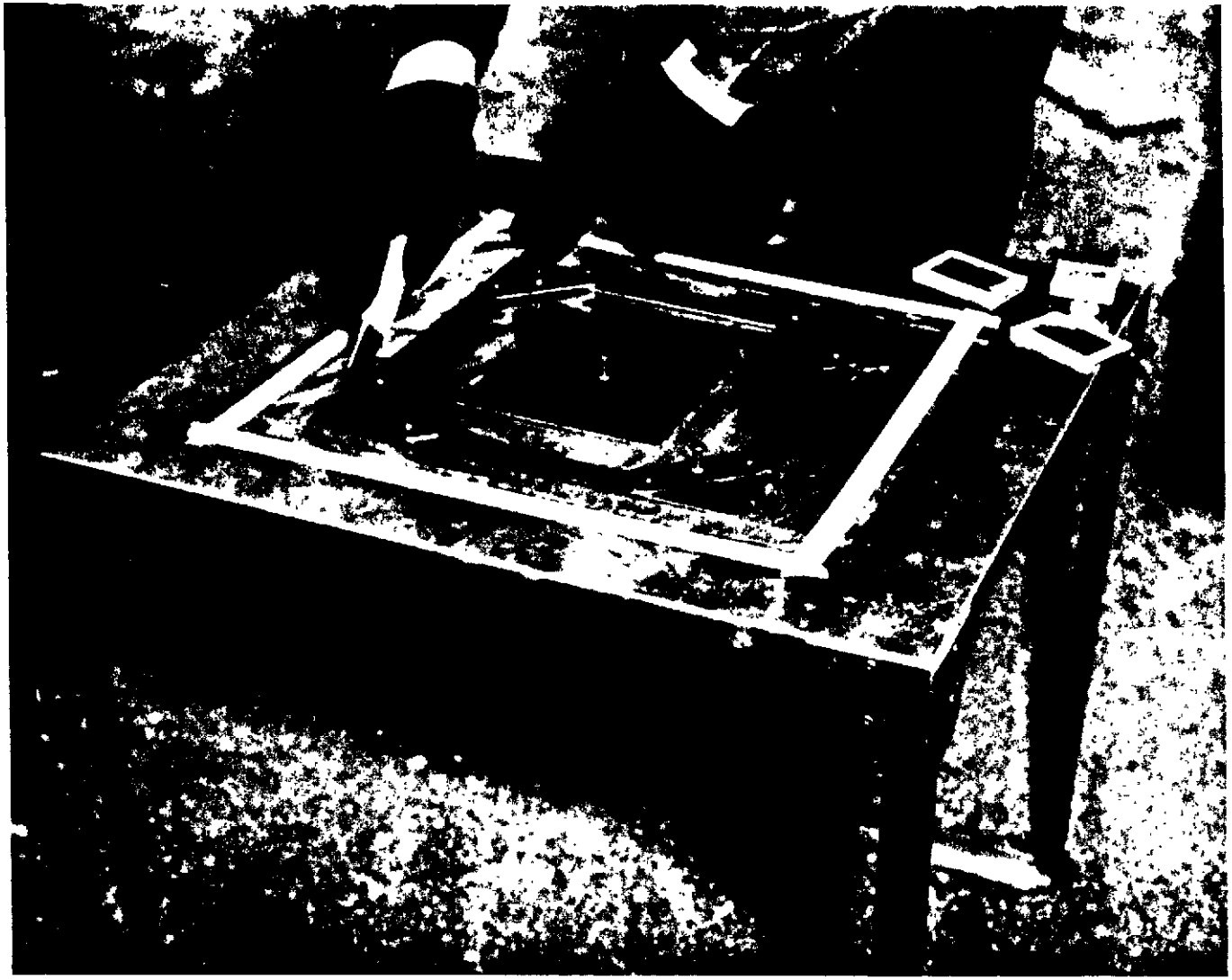


Figure 3 Cutting out 12-inch-square sample. (DASA 120-05-TTR-63)

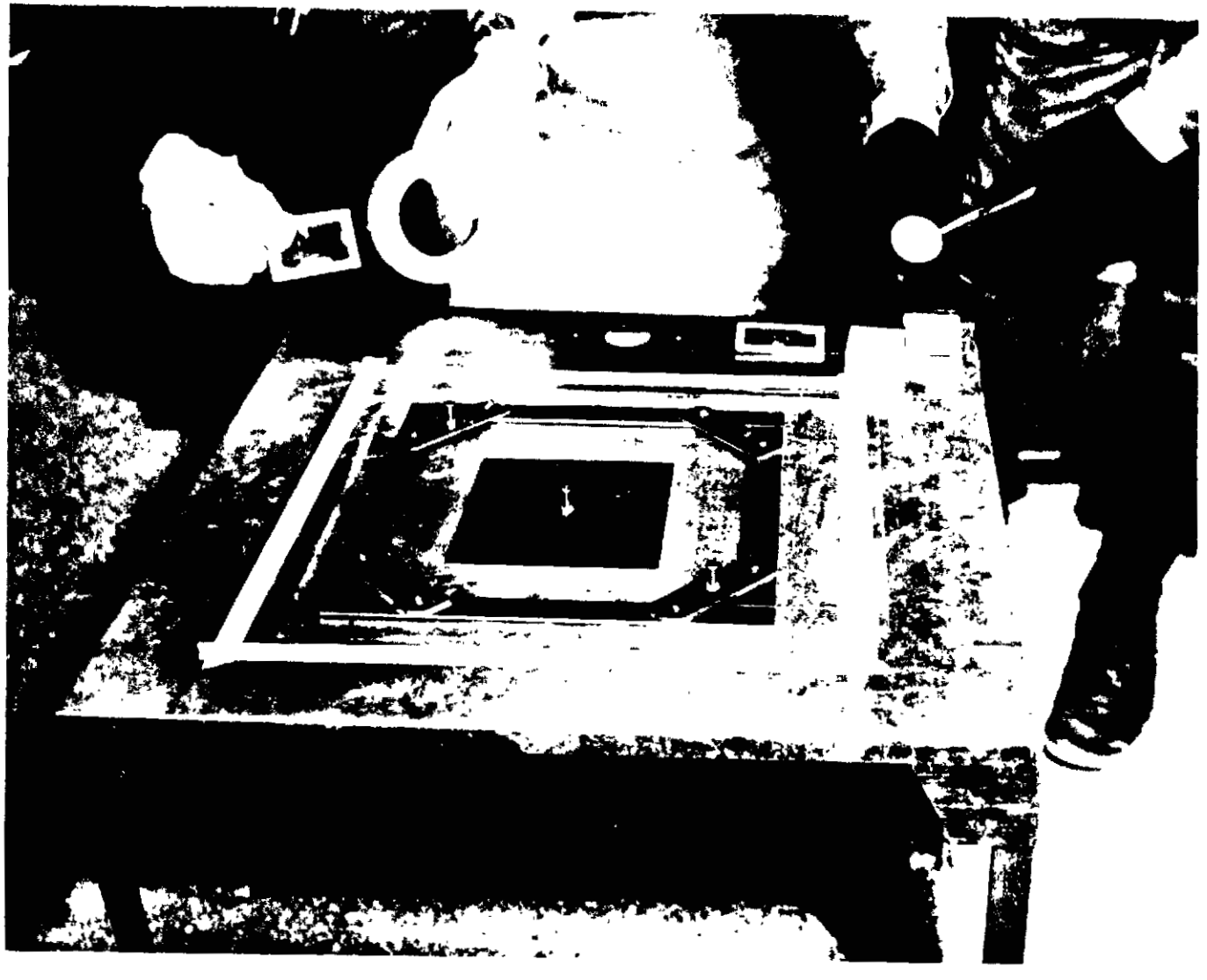


Figure 4 Recovery of planchet and microscope slide. (DASA 120-04-TTR-63)

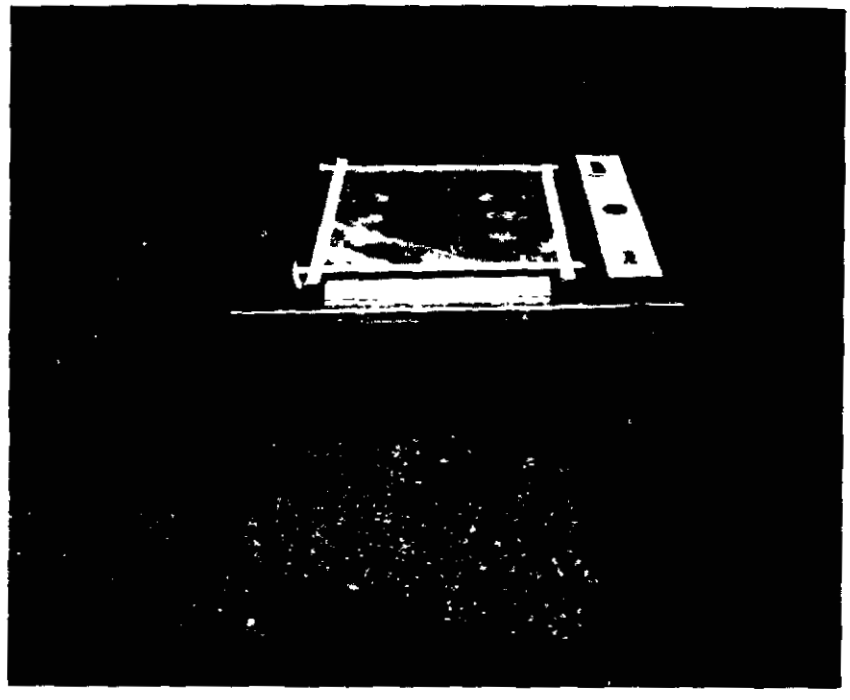


Figure 5 Activated integral fallout collector. (DASA 110-42-TTR-63)

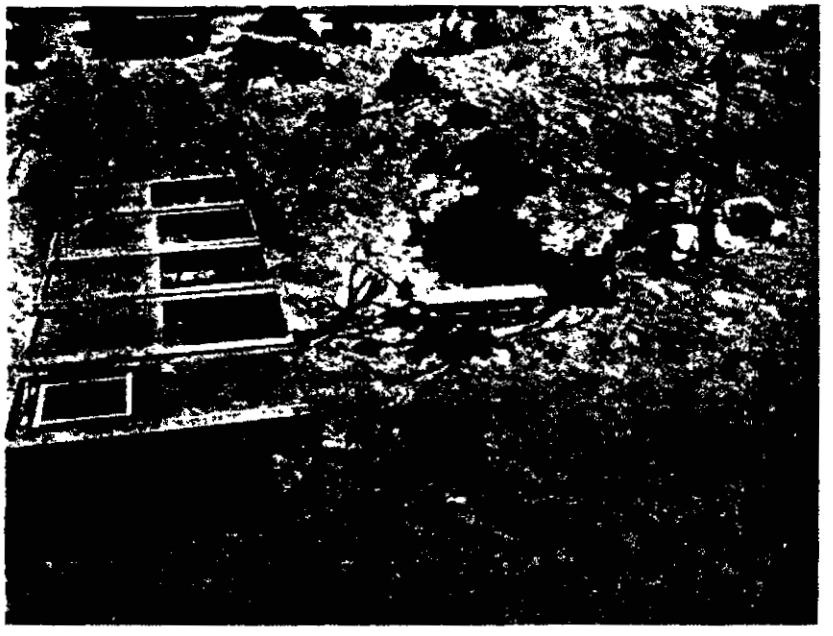


Figure 6 Incremental fallout collector system.
(DASA 110-44-TTR-63)

Figure 7 Trailer-mounted incremental fallout collector system. (DASA 120-08-TTR-63)

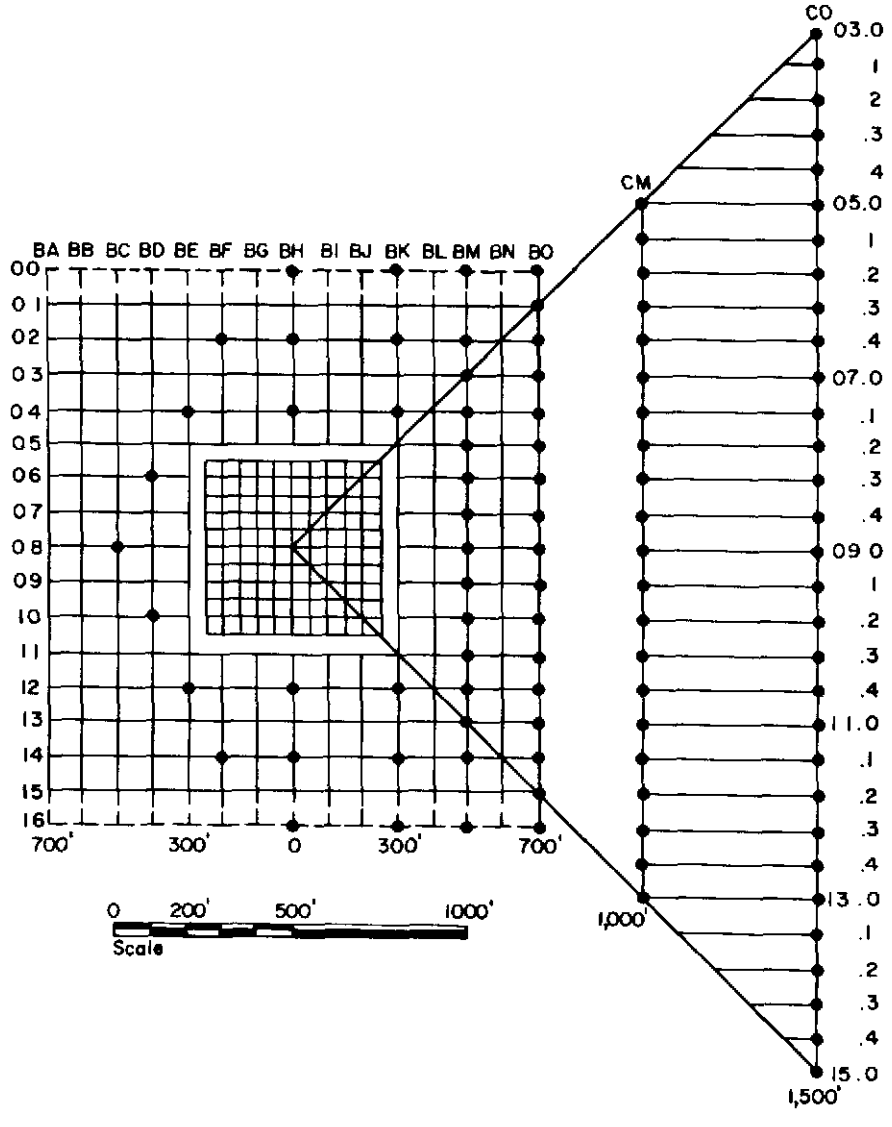
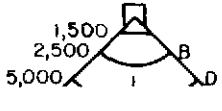


Figure 8 Close-in array of integral fallout collectors, all events.



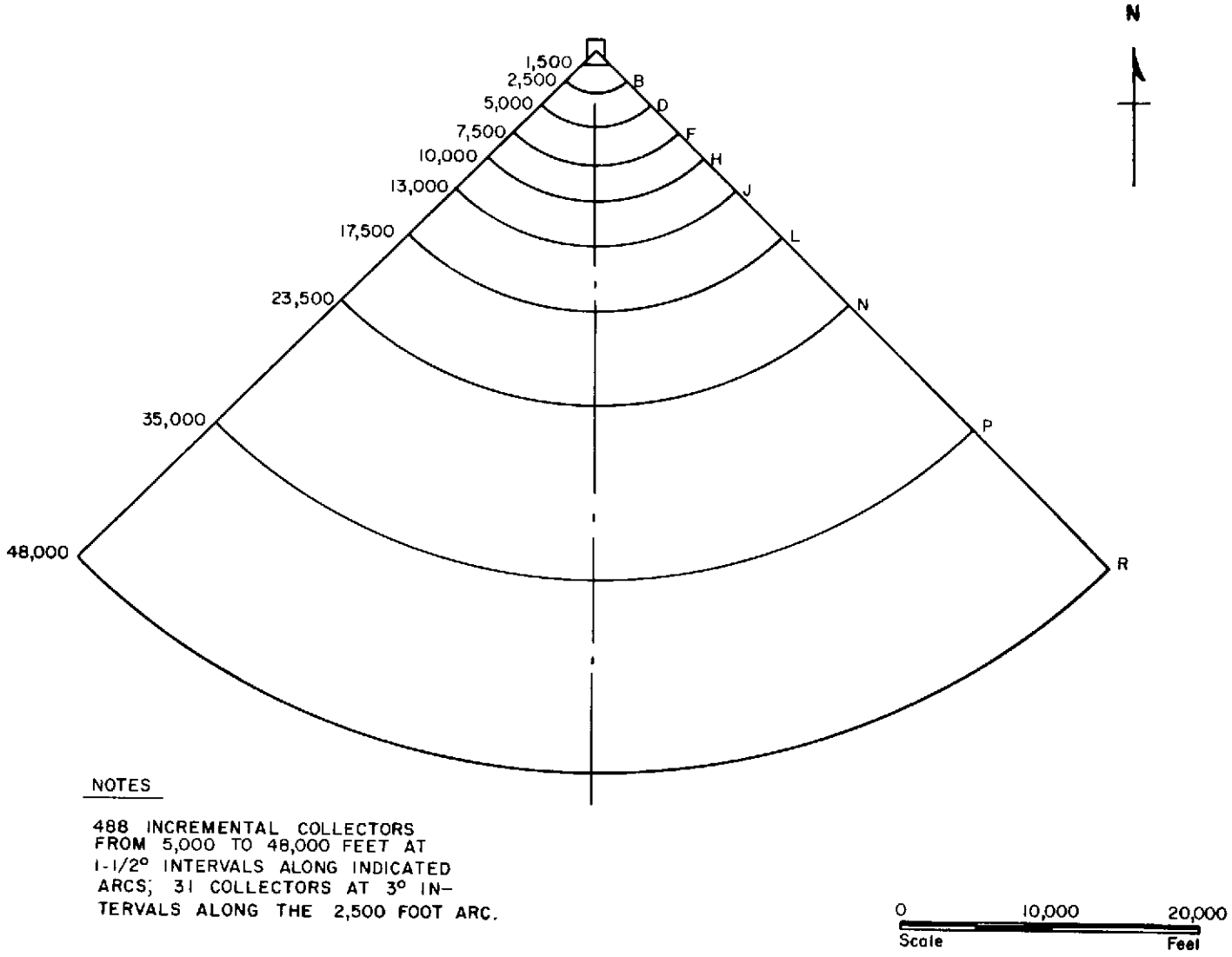
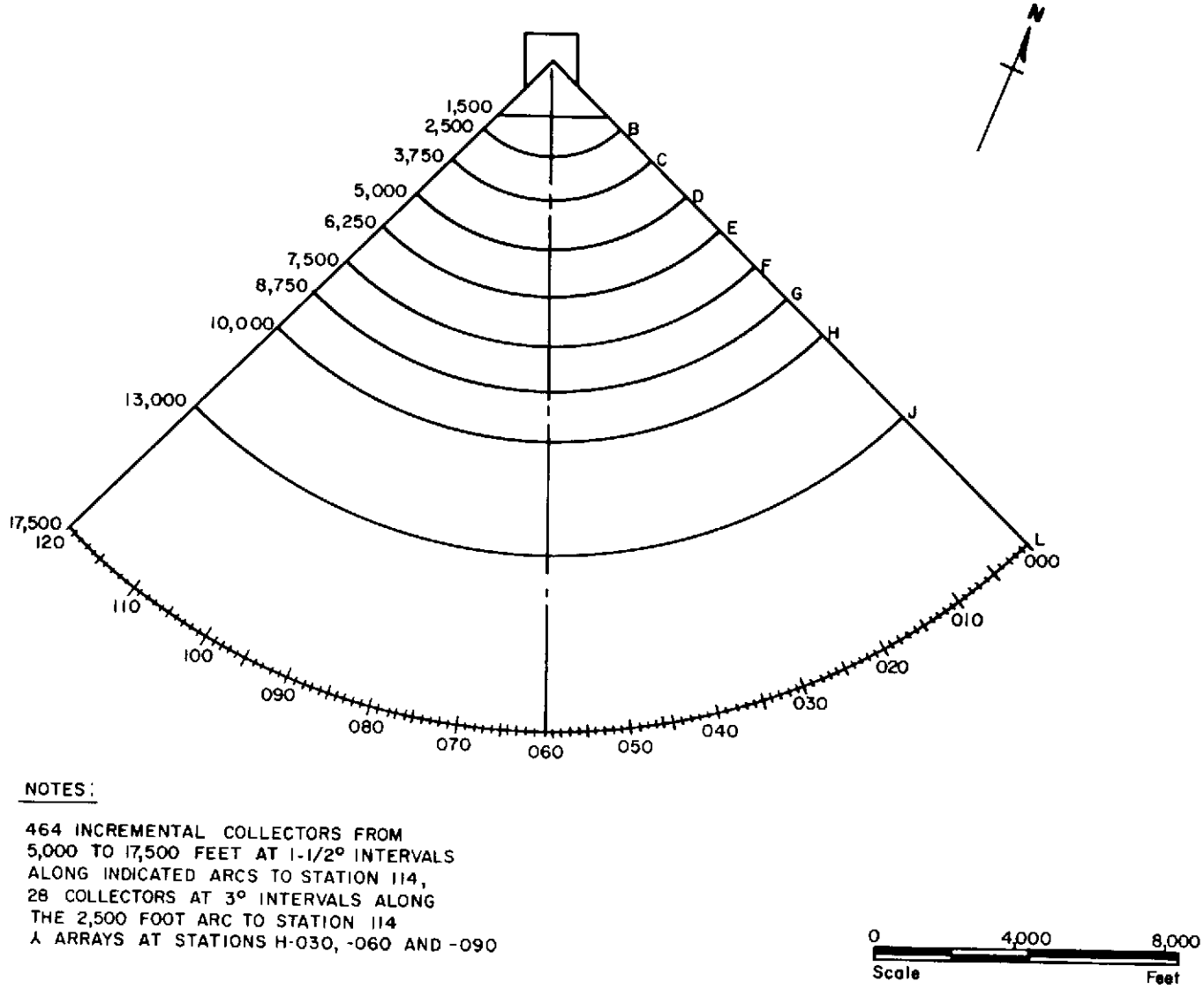


Figure 9 Distant array of integral fallout collectors, Double Tracks.



NOTES:

464 INCREMENTAL COLLECTORS FROM 5,000 TO 17,500 FEET AT 1-1/2° INTERVALS ALONG INDICATED ARCS TO STATION 114, 28 COLLECTORS AT 3° INTERVALS ALONG THE 2,500 FOOT ARC TO STATION 114 & ARRAYS AT STATIONS H-030, -060 AND -090

Figure 10 Distant array of integral fallout collectors, Clean Slate 2.

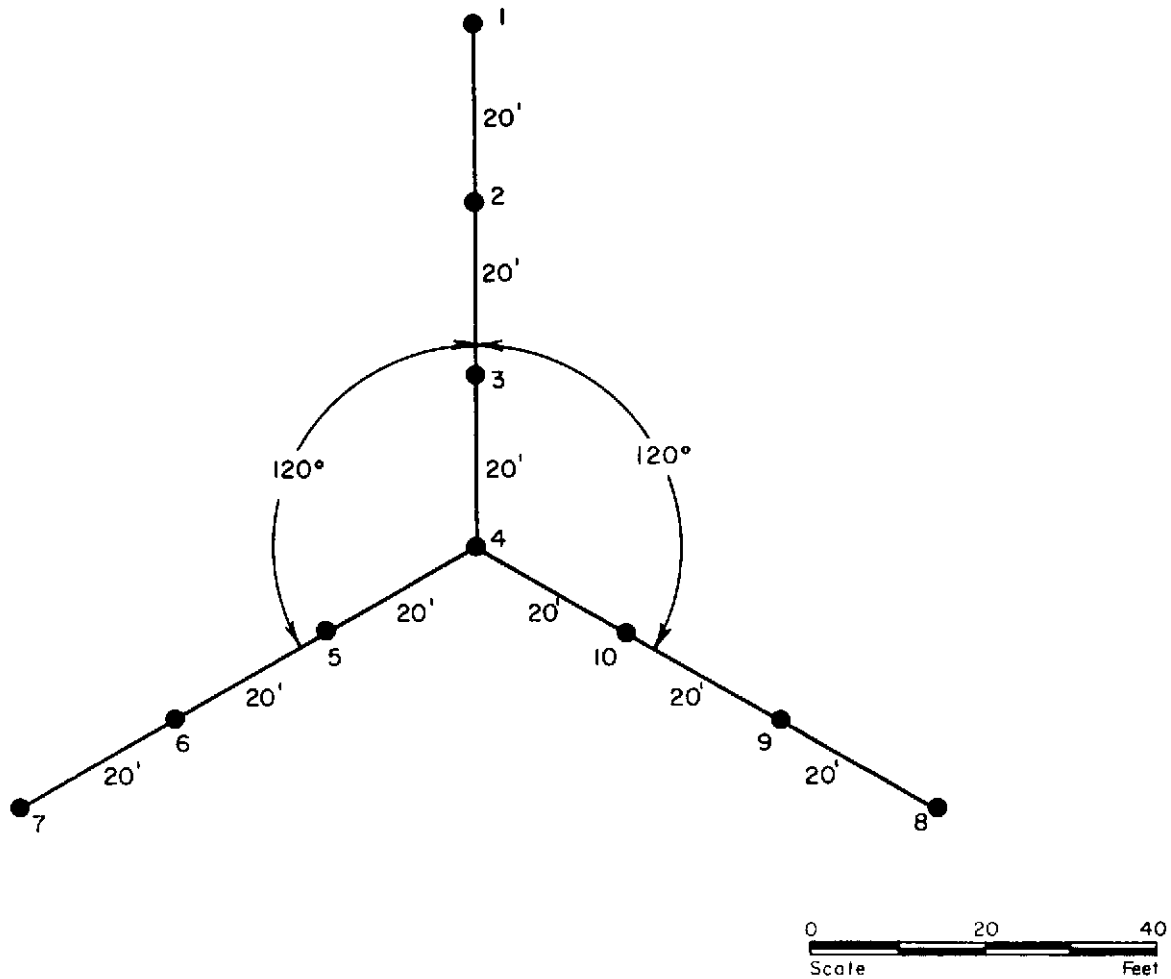


Figure 11 Star-shaped integral fallout collector cluster.

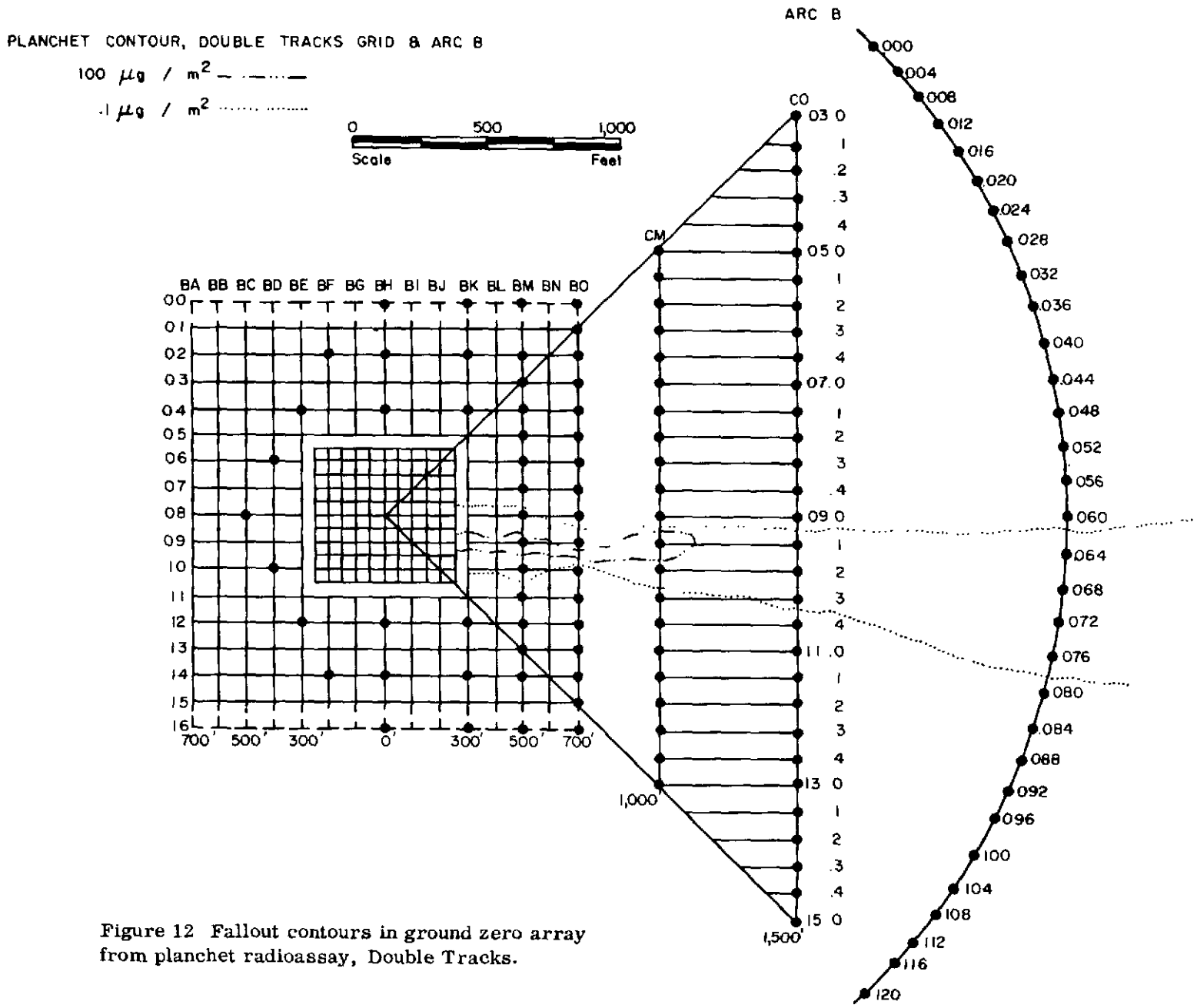


Figure 12 Fallout contours in ground zero array from planchet radioassay, Double Tracks.

PLANCHET CONTOUR, DOUBLE TRACKS

N

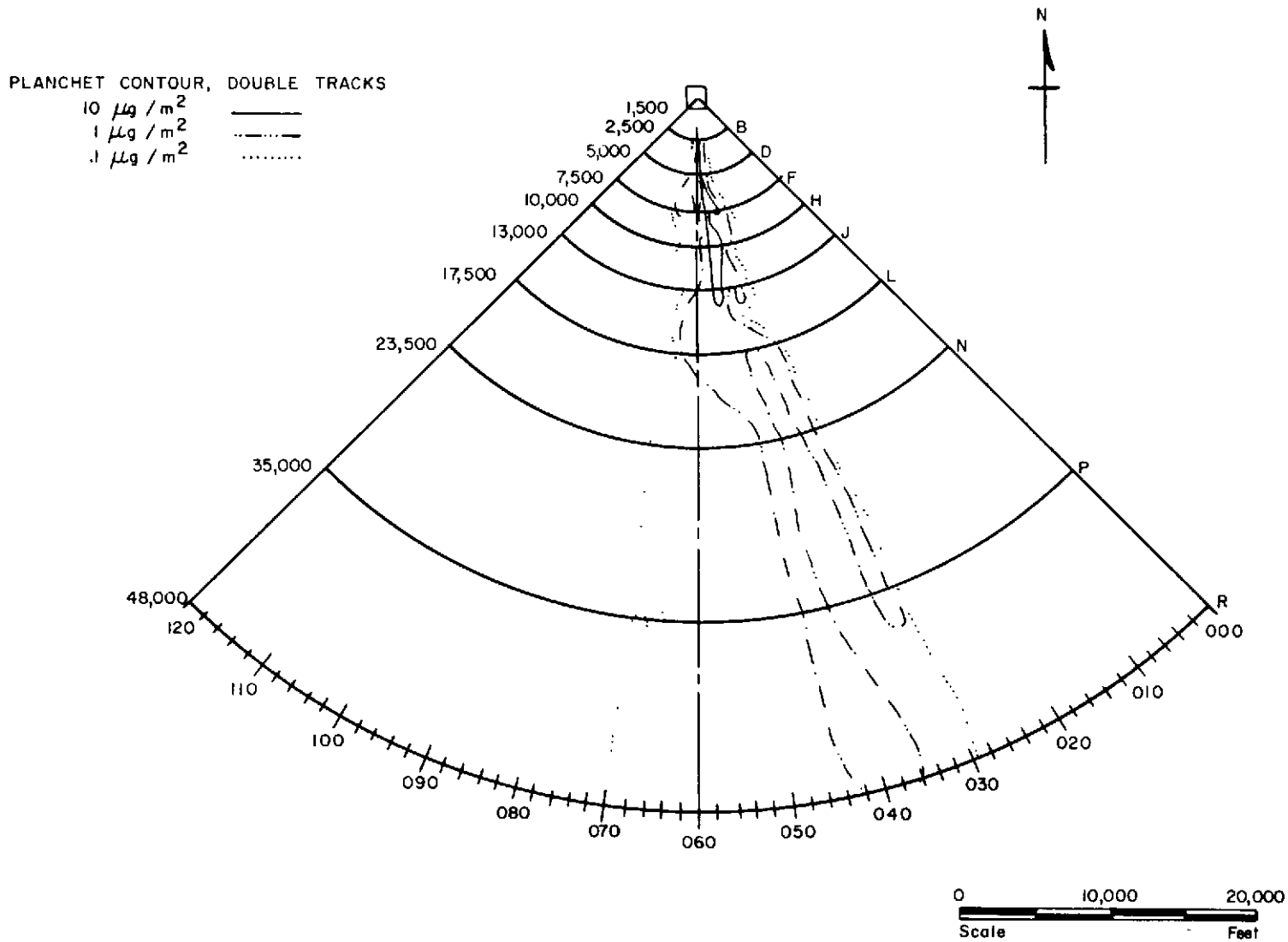


Figure 13 Fallout contours in distant array from planchet radioassay, Double Tracks.

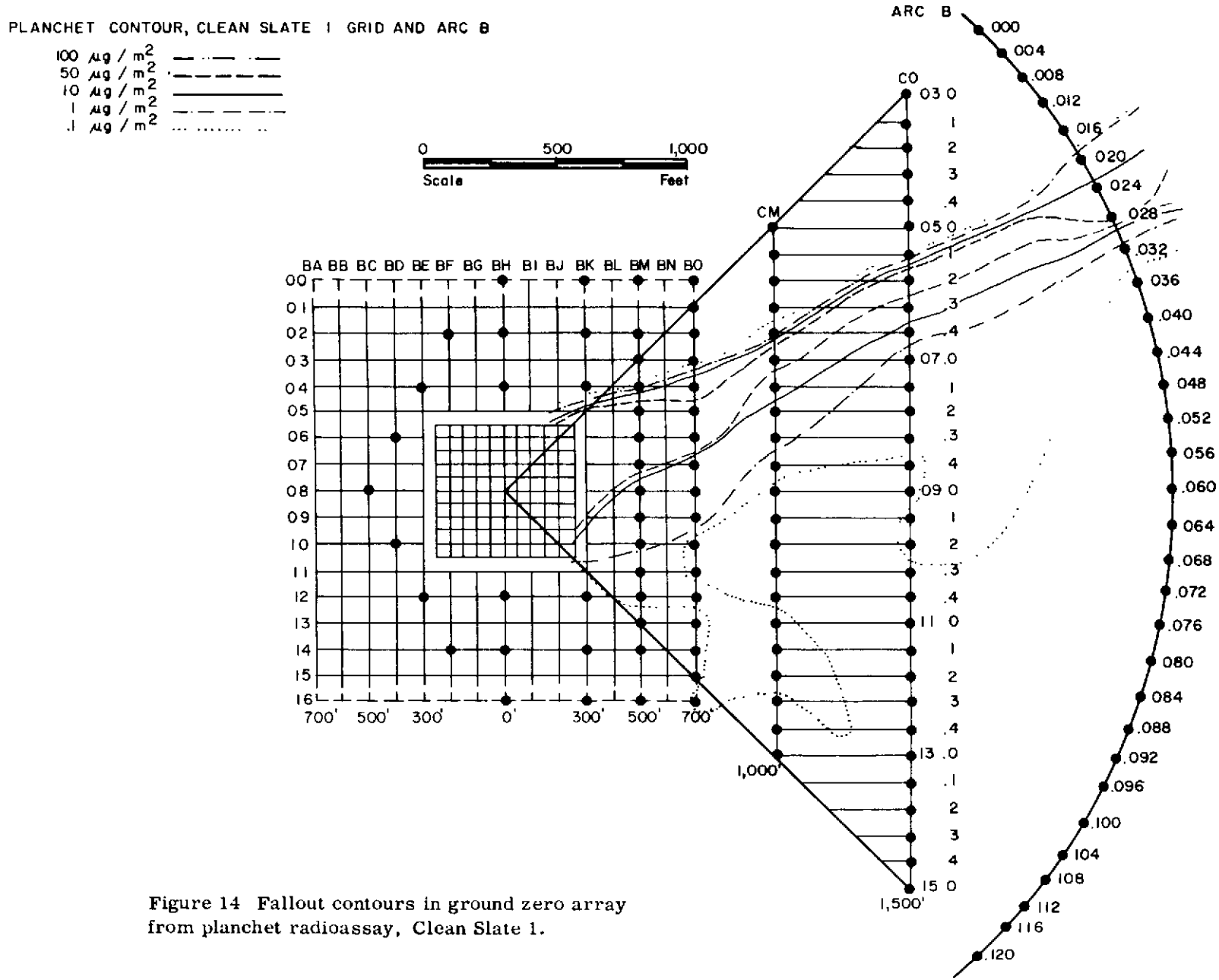


Figure 14 Fallout contours in ground zero array from planchet radioassay, Clean Slate 1.

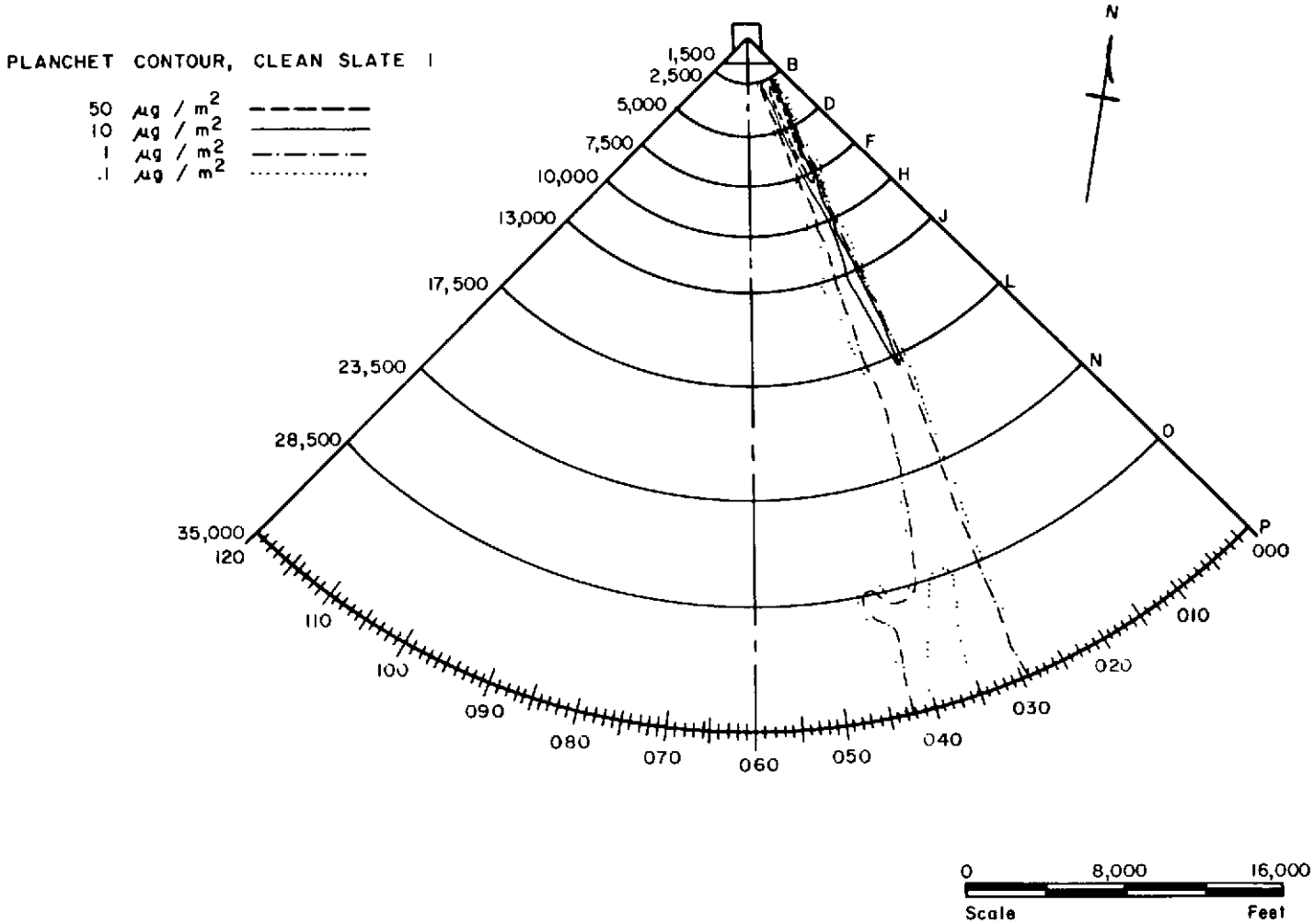


Figure 15 Fallout contours in distant array from planchet radioassay, Clean Slate 1.

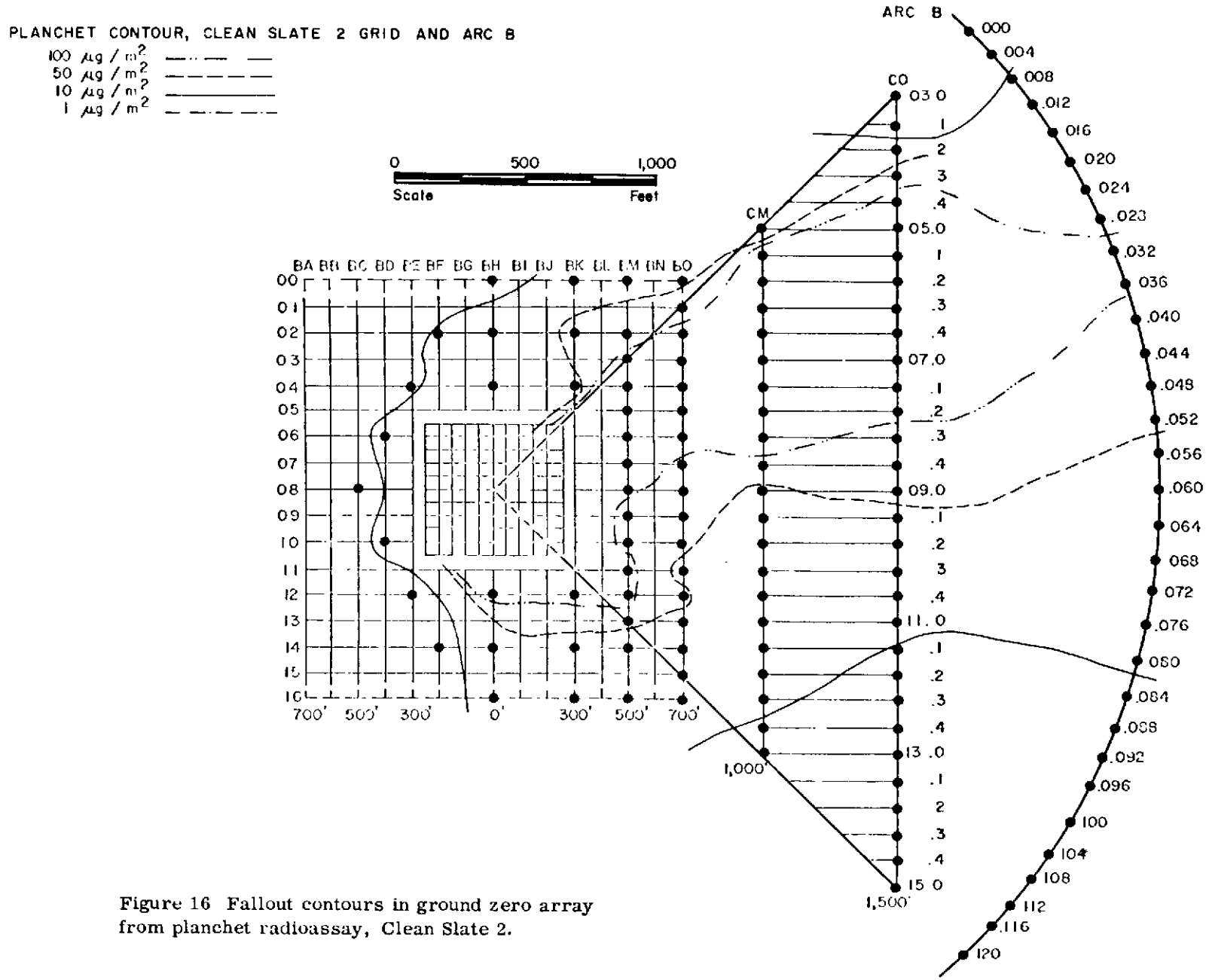


Figure 16 Fallout contours in ground zero array from planchet radioassay, Clean Slate 2.

PLANCHET CONTOUR, CLEAN SLATE 2

50 μg / m2

10 μg / m2

N

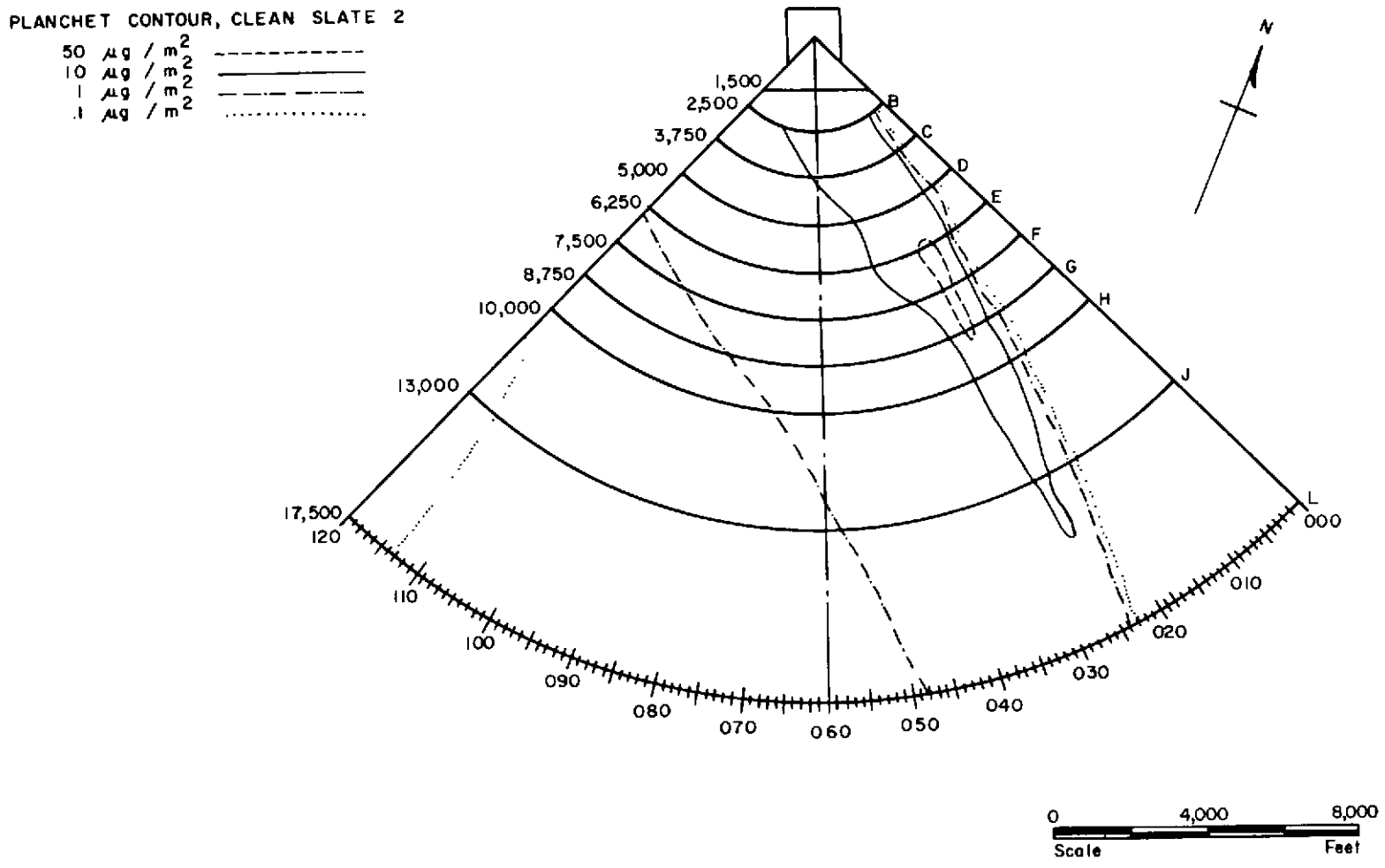


Figure 17 Fallout contours in distant array from planchet radioassay, Clean Slate 2.

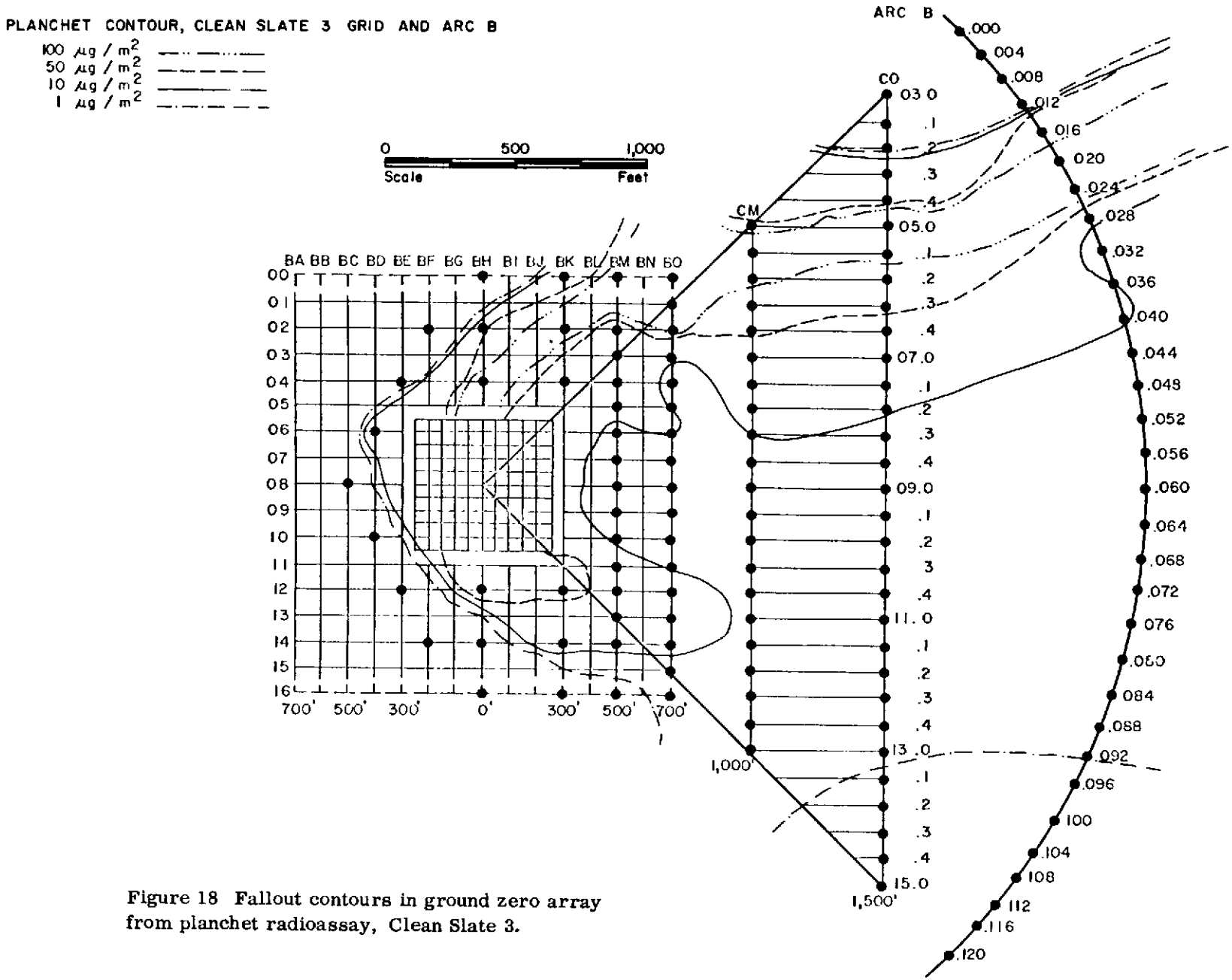


Figure 18 Fallout contours in ground zero array from planchet radioassay, Clean Slate 3.

PLANCHET CONTOUR, CLEAN SLATE 3

100 μg / m2

N

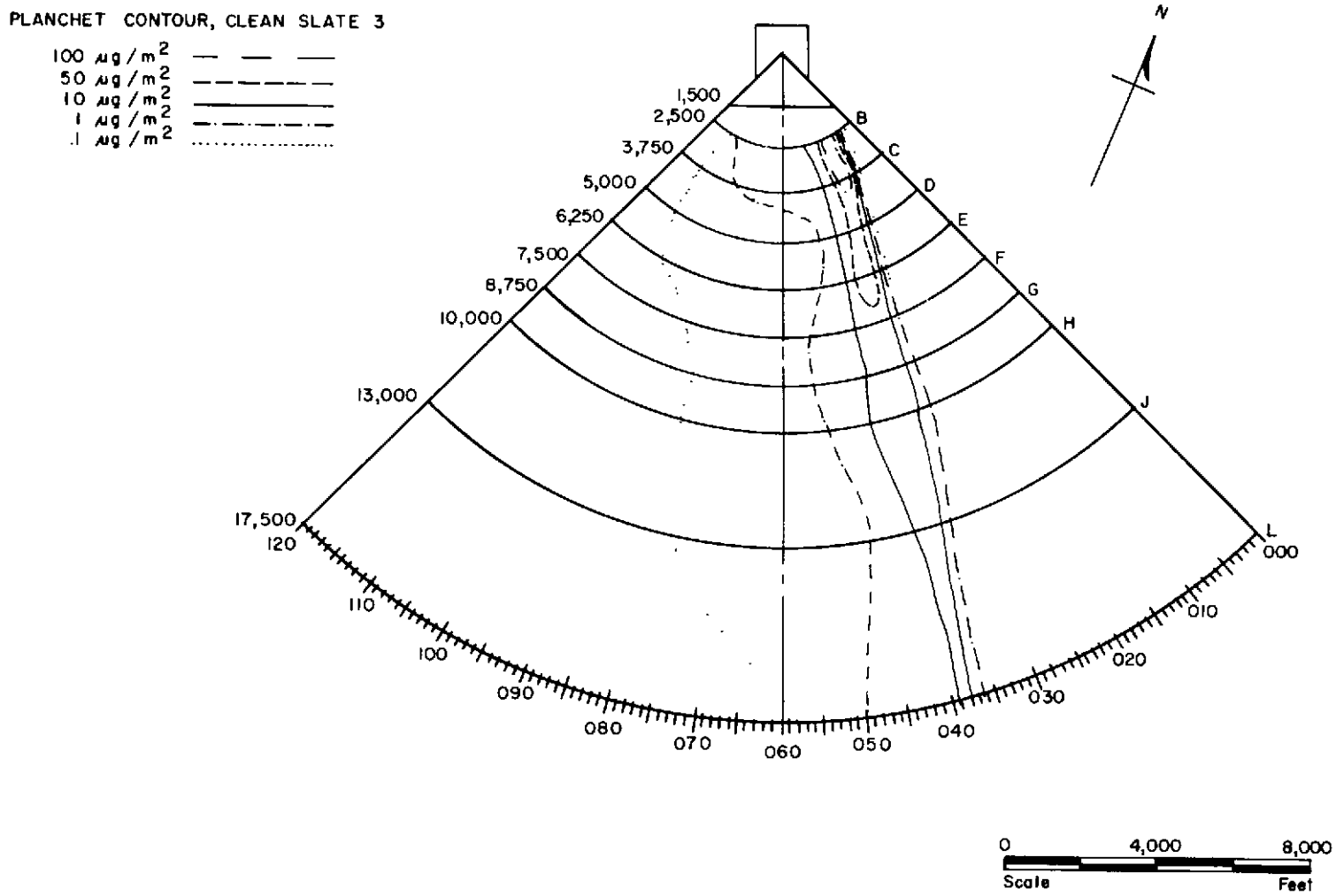


Figure 19 Fallout contours in distant array from planchet radioassay, Clean Slate 3.

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1 COMD.AIR TRAINING COMD.
1 COMD.STRATEGIC AIR COMD.
1 COMD.TACTICAL AIR COMD.
5 AIR FORCE WEAPONS LAB. ATTN WLL-3
1 AIR FORCE WEAPONS LAB. ATTN LT.COL. J.L.DICK WLP
1 AIR FORCE WEAPONS LAB. ATTN COL.I.J.RUSSELL WLRB
2 COMD.OGDEN AIR MATERIEL AREA
2 COMD.SAN ANTONIO AIR MATERIEL AREA

OTHER DEPARTMENT OF DEFENSE ACTIVITIES

20 DIR. DEFENSE ATOMIC SUPPORT AGENCY ATTN OAPA
30 DIR.DEFENSE ATOMIC SUPPORT AGENCY ATTN JAIEG
1 COMD.FIELD COMD. DASA.SANDIA ATTN FCTG5
1 CHIEF.WEAPONS TEST DIV. SANDIA ATTN STWT
1 CHIEF.WEAPONS TEST DIV. SANDIA ATTN WTOP
1 CHIEF.WEAPONS TEST DIV. SANDIA ATTN WTOP-P
3 CHIEF.WEAPONS TEST DIV. SANDIA ATTN WTOP-P2
1 CHIEF.WEAPONS TEST DIV. SANDIA ATTN WTWT-T
40 DEFENSE DOCUMENTATION CENTER
1 CHAIRMAN.ARMED FORCES EXPLOSIVES SAFETY BOARD

CIVILIAN DISTR CAT. C

1 COL.SCHOOL OF MINES RES.FOUND.ATTN DR.F.L.SMITH
1 COL.SCHOOL OF MINES RES.FOUND.ATTN MR.J.K.PERRY
2 HAZELTON NUCLEAR SCIENCE CORP ATTN MR.H.E.MENKER
1 TRACERLAB INC. ATTN MR.A.L.BAIETTI
1 TRACERLAB INC. ATTN MR.WILLIAM MAJOR
1 TRACERLAB INC. ATTN MR.CHARLES D. DUNN
1 EBERLINE INSTRUMENT CORP ATTN MR.ROBERT GALLAGHER
1 EBERLINE INSTRUMENT CORP ATTN MR.WM.S.JOHNSON.SR.
1 EBERLINE INSTRUMENT CORP ATTN MR.JACK C.BENTLEY
1 EBERLINE INSTRUMENT CORP ATTN MR.ERIC GEIGER
2 LOVELACE FOUNDATION ATTN DR.SAM WHITE
2 ISOTOPES INC.ATTN PHILIP W.KREY
2 ISOTOPES INC.ATTN MR.REX D. SHERWOOD
2 ISOTOPES INC.ATTN DR. JAMES P. FRIEND
2 ISOTOPES INC.ATTN MR.RALPH E. FRIED
1 HANFORD ATOMIC PROD.OPERATION ATTN DR.WM.J.BAIR
2 US PUBLIC HEALTH SERVICE ATTN MR.JOHN COOGAN
2 UNIV. OF ROCHESTER AEP ATTN PROF.ROBERT H.WILSON
2 US WEATHER BUREAU USAEC ATTN R.W.TITUS
1 GEN.DYN.CORP.NUC.DESIGN & OPER.DIV.ATTN W.T.PRICE
1 GEN.DYN.CORP.NR&D.NAR FACILITY ATTN DR.N.H.GODBOLD
1 GEN.DYN.CORP.NR&D.NAR FACILITY ATTN MR.ROY HENRY
1 GEN.DYN.CORP.NR&D.NAR FACILITY ATTN MR.J.C.COUCHMAN

ATOMIC ENERGY COMMISSION ACTIVITIES

5 DIR.OF MILITARY APPLICATION USAEC
5 USAEC ATTN DIV.OF OPERATIONAL SAFETY
2 USAEC ATTN DIV. OF BIOLOGY AND MEDICINE
2 USAEC ATTN DIV. OF RADIATION PROTECTION STANDARDS
5 USAEC.NEVADA OPERATIONS OFFICE
5 USAEC SAN FRANCISCO OPERATIONS OFFICE
5 USAEC ALBUQUERQUE
1 USAEC ALBUQUERQUE.ATTN.E.R.MATHEWS.DIV.OPER.SAFETY
1 ASST.TO THE SEC.OF DEFENSE ATOMIC ENERGY
1 CHICAGO OPERATIONS OFFICE.DIV.HEALTH & SAFETY
1 HEALTH AND SAFETY LAB.USAEC.ATTN DR.J.H.HARLEY
1 INDUSTRIAL HYGIENE & SAFETY ANL ATTN DR.J.SEDLET
1 GE CO.HANFORD ATOMIC PROD.ATTN DR.J.M.NIELSEN
1 RADIOACTIVITY SECTION NBS ATTN L.A.CURRIE
3 PRES.SANDIA CORP
1 PRES.SANDIA CORP.ATTN DR.J.D.SHREVE.5414
1 PRES.SANDIA CORP.ATTN DR.B.F.MURPHEY.5410
1 PRES.SANDIA CORP.ATTN MR.H.W.CHURCH.5414
1 PRES.SANDIA CORP.ATTN DR.T.B. COOK.5400
1 PRES.SANDIA CORP.ATTN MR.L.C.GUYNES.3415
2 SANDIA CORP.LIVERMORE
5 DIR.LAWRENCE RADIATION LAB.
5 DIR.LOS ALAMOS SCIENTIFIC LAB.
1 DIR.LOS ALAMOS SCIENTIFIC LAB.ATTN DR.M.F.MILLIGAN
30 DIV.OF TECH. INFORMATION EXTENSION