UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

EVALUATION OF GEOTECHNICAL PROPERTIES AND SLOPE STABILITY OF A CALCAREOUS OOZE ON THE SOUTH-WEST SLOPE OFF OAHU, HAWAII

by

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Open-File Report

82-468B

Menlo Park, California

May 1982

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I. INTRODUCTION

The Oahu Ocean Thermal Energy Conversion (O'OTEC) site is located offshore and to the southwest of Kahe Point, Oahu on a 3^{o} to more than 40^{o} slope that extends to depths greater than 2700 m (Figure 1). The site is being considered as the location for an ocean thermal energy conversion plant that will use the temperature difference between surface and deep (1000m) water in the production of usable energy. This specific area was selected because of accessibility to existing onshore power distribution systems and favorable climatic and oceanic conditions. A geological and geophysical survey was conducted by the U.S. Geological Survey in January 1981 utilizing the University of Hawaii's R/V KANA KEOKI. Normark and others (1982) discuss the navigation and geologic findings of this survey, and the regional bathymetry in a companion open-file report.

Gravity coring was attempted at eight stations during the survey but only four of the attempts produced samples suitable for geotechnical analysis. These four core samples (Table 1, Figure 1) ranging in length from 1.75 to 5.50 m, are the subject of this report. The core samples were tested within a framework of analysis that was developed to evaluate regional offshore slope stability (Lee and others, 1981). The results are suitable for roughly specifying the regional variation in geotechnical properties for use in the preliminary design of anchors and foundations for the O'OTEC project.

Twenty-four static triaxial, twelve cyclic triaxial, and nineteen consolidation tests were performed. In addition, Atterberg limits, water content, grain density, bulk density, grain size, and vane shear tests and determinations were run. An evaluation was made of the slope stability at the four stations. The stability analysis incorporated an estimate of the in-situ

undrained shear strength, S_u. Determination of S_u required sediment parameters that were obtained from triaxial tests. The triaxial testing program, in turn, utilized the results from consolidation experiments.

II. PURPOSE AND FRAMEWORK OF ANALYSIS

The geotechnical laboratory testing was performed to obtain parameters to describe the sediment and predict its engineering behavior. The critical geotechnical property measured was the undrained shear strength (the strength that is mobilized in a short period of time with no porewater drainage). If failure occurs, it will typically follow a mobilization of the undrained shearing strength during short term wave, earthquake, or structural loading. Much of the testing was directed toward eliminating the effects of disturbance as well as allowing limited extrapolation to depths below the level of sampling. The procedure used was the normalized strength parameter (NSP) approach of Ladd and Foott (1974). The basic assumption of this approach is that sediment strength behavior primarily depends on three factors: (1) the general character of the sediment (grain size, mineralogy, etc.), (2) the stress state (overburden pressure) and (3) the overconsolidation ratio (ratio of greatest stress the sediment has ever experienced to the present overburden stress). The maximum past stress and overconsolidation ratio of the sampled material were measured in the standard one-dimensional consolidation test. The relation between stress state, overconsolidation ratio and undrained shear strength was established through triaxial shear testing. Samples were placed at known, elevated stress levels with artificially induced levels of overconsolidation. The measured strength parameters were normalized in terms of the applied consolidation stresses. The same normalized parameters were

assumed to apply to the in-situ low stress levels of the samples. A strength profile corrected for disturbance was then calculated over the depth sampled. By estimating the consolidation state of deeper materials and assuming the same basic sediment characteristics, it was possible to extrapolate the strength profile below the level of sampling.

The following sections present the results of consolidation, triaxial and index property testing conducted primarily to define a profile of undrained shear strength variation with depth. Other parameters derived as byproducts of this testing are tabulated as well. In the discussion section these results are applied to a regional slope stability analysis and tentative conclusions regarding the general stability of the area are presented.

III. PROPERTY MEASUREMENTS

1. Index Properties

a. Classification

Sediment at stations 1, 2, 6 and 8 consists predominantly of light olive gray, 5Y 5/2 and 5Y 6/1, (Goddard, 1970) biogenic carbonate remains (tests) of small marine organisms including foraminifers. Calcium carbonate contents above 30% classify sediment as calcareous ooze (Sverdrup and others, 1942, p. 972). In the four cores carbonate contents ranged from 69.5% to 86.9%, as determined from a LECO model WR-12 carbon determinator connected to an acid digestor and an induction furnace. Small quantities of siliceous diatoms and radiolarians are present, and terrigenous minerals are scarce (determined from smear-slide analysis). The tests of many marine microfossils are hollow and somewhat fragile, i.e., they crush at lower pressures than are required to break most terrigenous soil grains (Valent, 1979, pp.31-33). This property

affects sediment behavior at high stresses.

b. Water content and Atterberg limits

Water content, Atterberg limits, grain size, bulk density and grain specific gravity were determined at many locations within the cores (Table 2, Figure 2). The water content (w) [(weight of sea water assuming a salinity of 35 parts per thousand)/(weight of solid sediment particles)] of the sediment varies between 31 and 102 percent. A decrease in w with subbottom depth is typically observed. However, the water content values vary considerably down-core and increase with depth in parts of all cores. The relative position of w in relation to the Atterberg limits indicates whether the remolded material behaves as a liquid, plastic, or solid. The liquid limit (LL) and plastic limit (PL) were determined according to the procedures of Lambe (1951, pp. 22-28). The difference between the liquid limit and the plastic limit is the plasticity index (PI). The PI expresses the range of water content over which the sediment behaves in a plastic manner; plastic behavior increases with PI. In O'OTEC cores, zones of plastic sediment are often interspersed with zones of non-plastic material. The non-plastic behaving sediment is typically coarser grained than the sediment exhibiting plastic behavior.

On a plot of liquid limit versus plasticity index (Figure 3), all of the points except two lie in the high compressibility (LL > 50) region. The sediment is classified in the Unified Soil Classification System as MH: inorganic silts, micaceous or diamomaceous fine sandy or silty soils (Peck and others, 1974, p. 28). Although the points are scattered, they roughly define a straight line that is parallel to the A line [PI = 0.73(LL-20)]. This trend is typical for different soil samples of similar geologic origin (Terzaghi and Peck, 1967, p. 34). Most of the non-plastic sediment is classified as SM:

silty sand.

The liquidity index (LI) is defined as (w - PL)/(LL - PL). When the index is a negative number, the remolded sediment will act as a solid; a LI between 0 and 1.0 indicates plastic behavior; and a liquidity index greater than 1.0 suggests that the sediment will behave as a viscous fluid upon remolding (Bowles, 1979, p.36). The LI's range between 0.96 and 4.01, with most values between 1.0 and 2.0. The high LI values suggest that the sediment is slightly quick to very quick ($8 < S_t < 40$) (Bjerrum, 1954) where S_t is the sensitivity of the sediment (undrained shear strength/remolded undrained shear strength). However, Atterberg limits and liquidity indices are somewhat suspect in calcareous ooze because some water is contained within shells and does not influence the sediment behavior, but it does affect determination of the limits (Nacci and others, 1975, pp. 390-391). Figure 2 illustrates the relationships between Atterberg limits and natural water content.

c. Grain size distribution

Grain size has a marked effect on the behavior of the sediment; fine grained sediment tends to be more plastic in behavior. Grain size distributions were determined from pipette analyses according to the procedures of Carver (1971). Using the Udden-Wentworth size classification (Blatt and others, 1972, p. 46), most of the sediment is a sandy-clayey silt or a silty-clayey sand according to the classification of Gorsline (1960) (Figure 4). Cores 2G and 8G each had one sample with coarse (> 2 mm) material. The grain size distributions vary irregularly with subbottom depth in all cores (Figure 2).

d. Bulk density and grain density

Bulk densities were determined using two methods: (1) inserting a thin

walled piston sampler, with an inside diameter of 2.46 cm, into the core and weighing the known volume of sediment extruded from the sampler; and (2) weighing known volumes of triaxial and consolidation test samples. The measured bulk densities range between 14.62 and 17.08 kN/m^3. Grain densities, determined with an air comparison pycnometer, vary between 2.56 and 2.90 g/cm^3 with an average value of 2.73 g/cm^3. Valent (1979) reports grain densities between 2.66 and 2.71 g/cm^3 for calcareous ooze samples obtained from the Venezuelan Basin in the Caribbean Sea.

e. Stratigraphy

Visual examination of the sediment reveals a complex depositional history. Well defined transitions exist between coarse-grained non-plastic and finer grained plastic sediment, e.g., at 257 cm in core 6G and at 197 cm in 1G. Layers (typically 1 cm thick) of large (greater than 2 mm) shell fragments occur at many depths, e.g., at 97 and 103 cm in core 2G and at 374 cm in 8G. A piece of shallow reef coral, Astreopora, (dimensions: 5 cm x 3 cm x 2 cm), was discovered in core 8G at 471 cm. The processes responsible for these variations are not known at this time. Further study in the area, with sedimentological analysis of longitudinally split stratigraphic cores, is warranted.

2. Consolidation Properties

a. Maximum past stress and primary compression index

Knowledge of the maximum past vertical stress, σ'_{vm}, a consolidation characteristic of the in-situ calcareous ooze, is required to perform triaxial shear tests within the normalized strength parameter framework. Nineteen consolidation tests were performed: eighteen in a Wykeham-Farrance front end

loading oedometer according to the procedures of Lambe (1951); and one within a triaxial cell using a constant rate of strain loading technique (Wissa and others, 1971). In the oedometer, loads were applied twice a day through a lever arm system and deformations were measured at predetermined times between load applications. Resultant data are reduced using deformation versus log of time curves (Figure 5), for each load increment. The two straight line segments of the curve intersect at t_{100} and d_{100}, respectively, the time and deformation at which 100% of the excess pore pressure is dissipated. If the void ratio, e, (volume of voids/volume of soil grains) of the sediment at d_{100} is plotted versus the log of the vertical stress, a curve similar to the top graph in Figure 6 is commonly produced. Notice that the right side of the curve defines a straight line. The slope of this virgin part, the compression index, C_c, indicates the amount of void ratio change for a tenfold increase in vertical stress above σ'_{vm}. By extending the straight virgin curve to the upper left and using the Casagrande (1936) graphical technique, the maximum past stress may be determined. However, many of the void ratio versus log of effective stress curves for the calcareous ooze continued to curve downward without a straight line segment (lower graph in Figure 6). A maximum past pressure should not be determined from these curves using standard techniques as the resultant σ'_{vm} will be excessively high and misleading. We believe that grain crushing of the fossil remains at higher stresses is responsible for this behavior.

The σ'_{vm} and C_c results are presented in Table 3. Figure 7 graphs σ'_e, the difference between σ'_{vm} and the in-situ vertical effective stress, versus depth. This parameter will be used in the next section as a measure of the consolidation state of the sediment. The σ'_e values increase linearly with

depth in cores 2G and 8G. This trend is not apparent in cores 1G or 6G, however, results from additional consolidation tests would probably define similar behavior.

The fact that some void ratio-log stress curves contain straight virgin parts and other sediment in the same core produces continuously curved lines further illustrates the variability of sediment down-core. Coarser material is probably more susceptible to grain crushing, which may in turn lead to greater settlements in the field than predicted from C_c. Grain crushing can also reduce the strength of the sediment.

b. Coefficient of consolidation

The coefficient of consolidation c_v, a parameter that defines the rate of consolidation for each load increment, may be determined from the deformation-log time curves, e.g., Figure 5, (Lambe, 1951, pp. 82-83). However, many of the deformation-log time curves, e.g., Figure 8, did not contain two well defined straight line segments. They could not be used to evaluate the appropriate parameter, t_{50}, the time to 50% consolidation. Leonards and Altschaeffl (1964) attribute this behavior to a low stress increment ratio ($\Delta\sigma/\sigma$). The stress increment ratio in the present testing program was increased from 1 to 2 (as suggested by Valent, 1979), but neither the deformation-log time nor the void ratio-log stress curves substantially improved with this change. Table 3 lists the range of c_v and the average c_v for each consolidation test. The c_v values are relatively high, indicating that rapid consolidation is likely to occur in the field.

3. Strength Properties

a. Estimation of in-situ undrained shear strength

The field undrained shear strength was estimated using the normalized strength parameter (NSP) approach discussed in section II. The NSP analysis incorporated sediment parameters derived from laboratory triaxial tests. The test program and data analysis modeled field conditions without the complications of sample disturbance, i.e., the change in the geometric arrangement of the soil particles and the inter-particle stresses between them, imparted to the sediment during the coring and handling operations.

Lee and others (1981) present an approach useful in estimating S_u at any depth based on certain constant soil parameters. In order to use this procedure, however, two assumptions have to be made: the sediment type does not change appreciably with depth; and the consolidation state of the sediment at any depth may be estimated from consolidation results from short cores. Although varied index properties were measured in the short cores, variability in deeper sediment is probably similar, i.e., plastic and non-plastic, fine and coarse sediment alternate in the same fashion as in the upper few meters. Consolidation properties probably change in the same manner. Triaxial test results did not vary significantly at different core intervals, unlike consolidation and index properties.

The undrained shear strength (under earthquake loading) may be estimated at any depth in the soil strata by the following equation (Lee and others, 1980):

$$S_u = \sigma'_v \; S_{nc} \left(\frac{\sigma'_v + \sigma'_e}{\sigma'_v} \right)^{\Lambda_o} A_c \, A_d \qquad (1)$$

where: S_u = the in-situ undrained shear strength at a particular subbottom depth;

σ'_v = the effective vertical stress at the depth in question;

σ'_e = the excess effective stress at a particular depth, equal to $\sigma'_{vm} - \sigma'_v$;

S_{nc} = the normally consolidated normalized strength of the sediment. By the NSP approach, this factor is a constant for the same sediment, equal to the measured S_u for a normally consolidated sediment divided by σ'_v.

Λ_o = a normalized strength behavior parameter, this factor is constant for similar sediment, it is the same for various consolidation states;

A_c = a factor to correct isotropically consolidated triaxial test results to agree with the anisotropic stress state in the field;

A_d = a cyclic strength correction factor, used to account for strength degradation from cyclic earthquake loading. The static strength would be given by the above equation with $A_d = 1$.

The vertical effective stress, σ'_v, at a particular depth was calculated by estimating the buoyant weight of the overlying material. Unit weights at depth were calculated from the equation:

$$\gamma' = \frac{(G_s + G_w\, e)}{1 + e} - \gamma_{sw} \qquad (2)$$

where: γ' = buoyant unit weight of sediment at a particular depth;

G_s = the grain density;

G_w = the density of seawater;

e = void ratio at depth, determined from the e-log p' consolidation curves;

γ_{sw} = the unit weight of salt water;

The excess effective stress, σ'_e, was determined for the upper few meters from the results of consolidation tests. At depths below the level of sampling, σ'_e was estimated using two different assumptions: (1) overconsolidation effects were assumed to have been caused by erosion. Therefore, σ'_e is constant at depth and equal to the average σ'_e measured from the consolidation tests (weighted toward the tests that better defined σ'_{vm}); and (2) the material is assumed to be normally consolidated at depth, $\sigma'_e = 0$. Assumption 2 is conservative and presumes that measured σ'_e values are an artifact of shallow sediment. A transition zone exists between the shallow sediment that was tested in the laboratory and the deep sediment that behaves according to the above assumptions. The estimated values of σ'_e for the shallow, transition, and deep sediment are listed in Table 4.

For each sediment core, S_{nc} was determined by dividing S_u obtained from a normally consolidated undrained triaxial test by the consolidation stress.

The normalized strength behavior constant, Λ_o, was calculated for each sediment core from Figure 9. The overconsolidated normalized strength (S_{uoc}/σ'_v)/S_{nc} was plotted versus the overconsolidation ratio on a log log scale

(Mayne, 1980). The slope of each line is equal to Λ_o for that particular sediment.

A_c was calculated by first dividing S_u obtained from an anisotropically consolidated triaxial test by its vertical consolidation stress, σ'_v. Next this ratio was divided by S_{nc} for isotropic consolidation to yield A_c.

A_d was determined from Figure 10, which presents data obtained from isotropically consolidated cyclic triaxial tests. The ordinate is the average single amplitude cyclic shear stress applied to the test sample with nearly full stress reversal as a percentage of the static strength. The abscissa is the log of the number of cycles required to reach 20% strain during the cyclic test. A straight line fit of the data points was constructed and the ordinate corresponding to 10 cycles of loading was taken as the cyclic loading strength reduction factor, A_d, for normally consolidated sediment. An A_d factor was also calculated, in the same manner, for sediment with an induced OCR of 6 that approximately represents the consolidation state of shallow in-situ material. Ten cycles were selected somewhat arbitrarily to represent the number of major loading cycles in a typical earthquake.

The above parameters, used to determine S_u (cyclic and static) at various depths, are presented in Table 4. Plots of the estimated in-situ cyclic undrained shear strength with depth are presented in Figure 11. This information is used to assess the slope stability under earthquake loading conditions at the four station locations.

b. Laboratory triaxial test program

The derivation of soil parameters that enabled the estimation of the in-situ undrained shear strength, S_u, was the primary purpose of the laboratory triaxial test program. The process used to estimate in-situ undrained cyclic

shear strength has been discussed. The required parameters relied heavily on the results of laboratory undrained triaxial shear tests. The locations, test types, and results of the static and cyclic triaxial tests are presented in Tables 5 and 6. The locations of all tests are also presented in Figure 2.

The central component of the triaxial test device was a pressurized cell containing a trimmed cylindrical sediment sample (typical sample dimensions were 3.6 cm in diameter and 7.6 cm in height). Pore pressure lines led to the top and bottom of the test specimen. They allowed porewater drainage during consolidation or porewater pressure measurement during undrained shear. During static shear, the top of the sample was moved at a constant rate (approximately 0.3 cm/hr) toward the stationary bottom of the sample. Pore pressures, axial deformation, and axial loads were measured and recorded at specified intervals. The same procedures applied to the cyclic triaxial test except that the sample was loaded with a 0.1 Hz sinusoidal wave form. Both compression and tension were applied at a certain percentage of the static strength.

Certain field stress states were applied to the laboratory samples. Anisotropic consolidation was induced by applying a vertical stress that was twice the lateral stress. Overconsolidation effects were induced by first isotropically consolidating the sample and allowing drainage of pore water. Next the confining stress was reduced to a lower value and rebound was allowed. Coring disturbance was removed by consolidating each sample to a stress equal to four times σ'_{vm} as recommended in the NSP approach (Ladd and Foott, 1974). A description of the storage and handling techniques, X-ray radiograph logs and an assessment of the overall condition of the cores was presented by Winters (1981). Testing was accomplished using recommendations

suggested in Bishop and Henkel (1964).

Twenty-four statically sheared and twelve cyclically sheared triaxial tests were performed. The test types are listed below:

Static Tests:

T-3 = Isotropic normally consolidated (OCR=1) undrained shear. Results from this test are used to determine S_{nc} (6 tests performed);

T-4 = Isotropic overconsolidated (OCR=6) undrained shear. Results are used to determine Λ_o (4 performed);

T-8 = Isotropic overconsolidated (OCR=3) undrained shear. Results are also used to calculate Λ_o (4 performed);

T-7 = Anisotropic (vertical consolidation stress is twice the lateral stress) normally consolidated (OCR=1) undrained shear, used to calculate A_c (4 performed);

T-1 = Unconsolidated undrained shear, results are used to determine a lower bound S_u value (4 performed);

T-3D = Isotropic normally consolidated (OCR=1) drained shear, performed to evaluate the drained friction angle (ϕ') (2 performed).

Cyclic Tests:

T-5 = Isotropic normally consolidated (OCR=1) undrained shear. Average cyclic shear stress ($\tau_{cyc.ave.}$) is approximately equal to 75% of the static strength. Results are used to evaluate the static strength degradation factor due to cyclic loading, A_d (4 performed);

T-6 = Isotropic normally consolidated (OCR=1) undrained shear, cyclic shear stress ($\tau_{cyc.ave.}/S_u$) is approximately 50%. Results are used in the same way as T-5 tests (4 performed);

T-9 = Isotropic overconsolidated (OCR=6) undrained shear, cyclic shear stress($\tau_{cyc.ave.}/S_u$) is approximately 75%. Results are used to evaluate static strength degradation for overconsolidated samples (2 performed);

T-10 = Isotropic overconsolidated (OCR=6) undrained shear, $\tau_{cyc.ave.}/S_u$ is approximately 50% (2 performed).

All of the reduced test data and test plots for the static and cyclic tests are contained in Appendices B and C, respectively. Selected test cycles are presented in some graphs to make the cyclic plots clearer. Figures 12 and 13 present in graphical form all of the undrained static shear triaxial test data. The three graphs for each test represent the behavior of the sediment during shear. The following parameters need to be defined before the plots can be interpreted:

$q = (\sigma'_1 - \sigma'_3)/2$, S_u is usually equal to the highest q;

$p' = (\sigma'_1 + \sigma'_3)/2$;

Dev. Stress = axial stress minus the lateral stress;

Delta u = change in pore pressure;

σ'_1 = the major principal effective stress at any point in the loading cycle (for axial compressive loading σ'_1 = the vertical effective stress);

σ'_3 = the minor principal effective stress at any point in the loading cycle (for axial compressive loading σ'_3 = the horizontal effective stress).

The series of points on the p'-q plots (Lambe, 1967) define stress paths. Each point represents (at a particular time during the test) the highest shear stress, q, and its comparable effective normal stress, p', on a

plane within the test sample inclined at a 45° angle from the horizontal; and each point also represents the highest point on a Mohr circle. The shape of the stress path provides information on sample behavior. If the curve bends to the left it indicates contractive behavior or a development of positive excess pore pressure during shear. If it bends to the right, dilatant (expansive) response is observed accompanied by a development of negative excess pore pressure.

The friction angle (ϕ') determined from a particular static test may be calculated by:

$$\phi' = \sin^{-1} [(\text{highest } q)/p'] \qquad (3)$$

As the test progresses, the stress paths of normally consolidated sediment typically follow and define a line, the k_f line, which passes through or close to the origin (Lambe and Whitman, 1969). Stress paths for comparable sediment with the same OCR should be similar. For example, tests 24, 36, and 37 (Figure 12) all define nearly identical friction angles even though all three were consolidated to different stress levels (initial, and usually lowest p') before shear. This indicates that up to stress levels of approximately 380 kPa for the sediment in core 8G, grain crushing is not significant. Valent (1979, p. 152) reports a decrease in ϕ' from 34.5° to 28° due to crushing, beginning at a consolidation stress of 30 kPa for a Caribbean Sea calcareous ooze.

Pore pressures tend to be positive initially then decrease and become negative for OCR=6 samples, which indicates contractive then dilatant behavior. This behavior is typical of many overconsolidated soils (Terzaghi

and Peck, 1967, p. 96). Samples with a smaller OCR, however, exhibited continuous positive pore pressures. Overall, the sediment in the four cores behaved similarly, for the same type of test.

IV. DISCUSSION

With a knowledge of the estimated, in place undrained shear strength profile, modified for cyclic loading and anisotropy, the slope stability at each of the four coring stations can be evaluated. The basis of the evaluation technique is explained in greater detail by Lee and others (1981). Basically, we assume that most natural failures in these relatively great water depths will be earthquake induced. An infinite slope model (continuous, non-undulating with a constant declivity, Morgenstern, 1967) is used because the slope investigated roughly represents this situation, and the measured parameters are imprecise and do not justify a more sophisticated approach. The basic equation for analyzing undersea slopes subjected to earthquake loading is:

$$\frac{S_u}{\sigma'_v} = \frac{\sin 2\alpha}{2} + k\left(\frac{\gamma}{\gamma'}\right)\cos^2\alpha \qquad (4)$$

where:

$\frac{S_u}{\sigma'_v}$ = undrained shear strength-overburden pressure ratio (estimated from the NSP approach, modified for cyclic loading and stress anisotropy Table 4);

α = slope angle;

k = pseudo-static horizontal earthquake acceleration (expressed as a

percentage of gravity) required to cause failure;

γ,γ' = Average total and buoyant sediment unit weights.

For small angles this equation may be solved for k as follows:

$$k = \left(\frac{S_u}{\sigma'_v} - \sin\alpha \right) \frac{\gamma'}{\gamma} \qquad (5)$$

The earthquake k factor required to cause failure was calculated as a function of depth. The factor is approximately a constant for a given site although it becomes large near the surface as a result of overconsolidation effects. The k factor represents a steady earthquake acceleration applied over a relatively long period of time. Because earthquake accelerations are irregular and of short duration, a slope with a given k factor probably can withstand peak accelerations greater than that value of k. Therefore, the calculated results cannot be used directly with design earthquake records to determine stability. However, if failure has occurred at one of the stations, the relative stability at the others can be calculated.

Table 7 shows the k factors at the four coring stations calculated for sub-bottom depths of 1, 3, 5, 10, 30, and 50 m and for assumptions 1 and 2 regarding the variation of consolidation state with depth. The shallower values are greater than the 50 m values for assumption one indicating that deep seated failures probably will be more common. The value for core 1G (0.06g by assumption 1) is lower than the values for the other three cores (0.08 - 0.09g by assumption 1). Assumption 2 yielded the same ranking of the k factors for the four cores although the specific values differ somewhat. In the sediment distribution map of Normark and others (1982), core 1G is shown

to lie within an area of discontinuous reflectors, whereas the other three are located in areas of wavy and parallel reflectors. Normark and others (1982) tentatively state that the discontinuous reflectors may be indicative of material that has undergone mass movement or slumping. Sediment with wavy and parallel reflectors is probably bedded and intact with the waviness resulting from bedform migration. The qualitative description of subbottom reflectors is consistant with our geotechnical analysis. On this basis we may conclude that k factors of about 0.06 (calculated by assumption 1) are associated with sediment instability whereas factors greater than 0.08 are not.

Additional studies are needed to better define the regional variation of the seismic k factor and relative stability. With more analysis it may be possible to correlate some of the more sophisticated geotechnical properties with index properties so that better coverage can be obtained with less effort. This type of correlation is not possible at present with only four core samples.

Table 7 also shows the static factor of safety (F) calculated for the four stations by the equation:

$$F = (S_u/\sigma'_v) \;/\; \sin \alpha \qquad (6)$$

The static factor of safety is defined as the static resisting force divided by the static gravitational force. A factor of safety of 1 would indicate an incipient failure condition. Because the factors of safety are all high (3.5 to 5.5), the possibility of a natural static slope failure appear to be remote. The earlier emphasis on earthquake induced instability as the principal natural hazard of the area appears to be justified. However,

the steepness of the slopes does generate shearing stresses in the sediment which, if coupled with large structural loads, might lead to localized failures around foundations or anchors. In designing support facilities for the O'OTEC structures, these ambient gravity induced shear stresses should be considered.

The combination of gravity, structural and earthquake loads probably will be most critical and control the final design of the support structure for the O'OTEC plant. Even the stable areas (cores 26, 6G and 8G) have earthquake k factors that are only 30 to 50% above the factor for 1G which is assumed to define the natural failure condition for this region. Structural loads could easily exceed this margin of safety. Numerous low capacity anchors or foundations are probably preferred over a few large capacity supports.

V. CONCLUSIONS AND RECOMMENDATIONS

A preliminary stability analysis using parameters derived from laboratory triaxial tests, and incorporating strength degredation from cyclic loading, indicates that earthquakes are capable of inducing deep-seated instability problems near the O'OTEC site. Station 1, in particular, appears susceptible to instability, possessing 30-50% less resistance to cyclic loading then the other sites; this complements interpretations of acoustic profiles that revealed possible slumping in the vicinity of Station 1 (Normark and others, 1982). All of the sites appear to be stable under static loading conditions and have safety factors ranging between 3.5 and 5.5.

Unique engineering behavior is observed in the carbonate sediment. The shallow material appears to be somewhat overconsolidated; this may be the result of erosion of overlying sediment, some deep-sea induced behavior, or

cementation between carbonate grains. The fragile shells crush under relatively low pressures which produces two engineering-behavior problems: (1) settlement may be greater than predicted from consolidation tests; and (2) shear strengths may be reduced significantly due to a decrease in size and a more unstable shape of the interlocking carbonate grains. The undrained strength may also be lowered by an increase in water content that results from a release of water contained internally within the shells.

This behavior must be accounted for in the design of foundation structures. Gravity structures should not exert concentrated loads on the sediment or grain crushing might result and be accompanied by additional settlement and loss of strength. Foundation schemes that remold the sediment, such as propellant driven anchors or piles, should allow the excess porewater pressure to dissipate before loading of the system commences.

This preliminary study has examined many of the behavioral aspects of calcareous ooze at discrete locations in the study area, but it has been limited by the amount of sediment available to test. In order to better understand the geologic processes in the area, as well as site specific factors, more cores must be obtained. They should sample adjacent sediment up and down slope, in addition to specific tentative foundation sites. Deeper cores should be obtained, possibly by utilizing other forms of coring apparatus (keeping in mind the disturbance factor of some techniques). Sections should not be cut to lengths longer than 1 m and care must be exerted in the handling and storage (particularly to prevent dewatering) of all cores until they reach on-shore testing facilities. In addition to cores taken for shore laboratory testing, replicate cores should be taken and split on board

ship, stratigraphy examined and recorded, and vane shear strengths obtained at intervals down-core.

In-situ testing (such as cone penetration) should be considered at the sites because of sampling disturbance associated with core recovery. Possibly, similar but shallower areas in calcareous ooze may be tested in-place. This would broaden the knowledge associated with carbonate deposits, and the information may be extrapolated to the region in question.

The unique behavior of the sediment warrants further investigation. The grain crushing, strength reduction, creep, and overconsolidation effects are all phenomena that should be better understood in order to adequately design foundation systems in this material.

Environmental factors associated with O'OTEC operation may also influence the type and design of the founding structure. The sediment may be cooled somewhat by the structure, increasing the possibility of sediment dissolution, and changes in the pore fluid pH may have a similar effect.

A similar or model field system should be installed and monitored to ascertain in-situ sediment-structure interaction. The behavior of these calcareous oozes is poorly understood and little practical experience is available. Unforeseen engineering behavior can be expected.

ACKNOWLEDGMENTS AND FUNDING

The authors are grateful to Brian D. Edwards and Monty A. Hampton for their help and comments in reviewing this report. William R. Normark also provided beneficial information and assistance. J. Patrick Spragge, William C. Schwab, Daniel J. Bright, Kris H. Johnson, and Michael E. Torresan are thanked for their contributions and effort in the performance of the laboratory testing. Charlotte Brunner of the Paleontology Department at the University of California (Berkeley) and Paula J. Quinterno of the USGS in Menlo Park, CA provided needed assistance in the interpretation of smear-slides.

Funding was provided by the Department of Energy (Contract No. DE-AP-03-80-SF-11371 A003) through the Ocean Thermal Energy Conversion program. The program is administered by the Marine Sciences Group of the Lawrence Berkeley Laboratory.

REFERENCES

Bishop, A. W. and Henkel, D. J., 1964, The Measurment of Soil Properties in the Triaxial Test: London, Edward Arnold Ltd., 228 p.

Bjerrum, Lauritus, 1954, Geotechnical properties of Norwegian marine clays: Oslo, Norway: Norwegian Geotechnical Institute Publication No. 4, 23 p.

Blatt, Harvey, Middleton, Gerard, and Murray, Raymond, 1972, Origin of Sedimentary Rocks: Englewood Cliffs, NJ., Prentice-Hall, Inc., 634 p.

Bowles, J. E., 1979, Physical and Geotechnical Properties of Soils: New York, McGraw-Hill, Inc., 478p.

Carver, R. E., 1971, Procedures in Sedimentary Petrology: New York, John Wiley and Sons, Inc., 653 p.

Casagrande, Arthur, 1936, The determination of the pre-consolidation load and its practical significance: in Proceedings of the First International Conference of Soil Mechanics and Foundation Engineering Vol. III: Cambridge, MA., pp. 60-64.

Goddard, E. N., 1970, Chairman of the Rock-Color Chart Committee: Boulder, CO, distributed by the Geological Society of America, 10 p.

Gorsline, D. S., 1960, Lecture, University of Texas at Austin: cited in Carver, R. E., 1971, Procedures in Sedimentary Petrology, 653 p.

Ladd, C. C. and Foott, Roger, 1974, New design procedure for stability of soft clays: Journal of the Geotechnical Engineering Division, ASCE, Vol. 100, No. GT7, July, pp. 763-786.

Lambe, T. W., 1951, Soil Testing for Engineers: New York, John Wiley and Sons, Inc., 165 p.

Lambe, T. W., 1967, Stress path method: Journal of the Soil Mechanics and Foundations Division, ASCE, Vol. 93, No. SM6, November, pp. 309-331.

Lambe, T. W. and Whitman, R. V., 1969, Soil Mechanics: New York, John Wiley and Sons, Inc., 553 p.

Lee, H. J., Edwards, B. D., and Field, M. E., 1981, Geotechnical analysis of a submarine slump, Eureka, CA., in Proceedings 13th Offshore Technology Conference, OTC 4125, pp. 53-65.

Leonards, G. A. and Altschaeffl, A. G., 1964, Compressibility of clay: Journal of the Soil Mechanics and Foundations Division, ASCE, Vol. 90, No. SM5, September, pp. 163-185.

Mayne, P. W., 1980, Cam-clay predictions of undrained strength: Journal of the Geotechnical Engineering Division, ASCE, Vol. 106, No. GT11, November, pp. 1219-1242.

Morganstern, N. M., 1967, Submarine slumping and the initiation of turbidity currents: Marine Geotechnique, A. F. Richards (ed.), University of Illinois Press, pp. 189-220.

Nacci, V. A., Wang, M. C., and Demars, K. R., 1975, Engineering behavior of calcareous soils: in Proceedings Civil Engineering in the Oceans III, Volume 1, ASCE, pp. 380-400.

Normark, W. R., Chase, T. E., Wilde, Pat, Hampton, M. A., Gutmacher, C. E., Seekins, B. A., and Johnson, K. H., 1982, Geologic report for the O'OTEC site off Kahe Point, Oahu, Hawaii: U.S.Geological Survey Open-File Report 82-468A, 5 p., 5 maps.

Peck, R. B., Hanson, W. E., and Thornburn, T. H., 1974, Foundation Engineering: New York, John Wiley and Sons, Inc., 514 p.

Schmertmann, J. H., 1955, The undisturbed consolidation behavior of clay: Transactions, ASCE, Vol. 120, pp. 1201-1233.

Sverdrup, H. U., Johnson, M. W., and Fleming, R. H., 1942, The Oceans: Their Physics, Chemistry, and General Biology: Englewood Cliffs, NJ., Prentice-Hall, Inc., 1087 p.

Terzaghi, Karl, and Peck, R. B., 1967, Soil Mechanics in Engineering Practice: New York, John Wiley and Sons, Inc., 729 p.

Valent, P. J., 1979, Engineering Behavior of Two Deep Ocean Calcareous Sediments, Including Influence on the Performance of the Propellant Driven Anchor, Doctor of Philosphy Thesis submitted to the faculty of Purdue University, 343 p.

Winters, W. J., 1981, Vane shear strengths and index properties of sediment obtained from R/V KANA KEOKI; January 1981: preliminary report: U.S. Geological Survey Open-File Report 82-144, 25 p.

Wissa, A. E., Christian, J. T., Davis, E. H., and Heiberg, Sigurd, 1971, Consolidation at constant rate of strain: Journal of the Soil Mechanics and Foundations Division, ASCE, Vol. 97, No. SM10, October, pp. 1393-1413.

NOMENCLATURE

A_c - A consolidation condition strength correction factor applied to account for anisotropic consolidation in-situ.

A_d - A cyclic strength correction factor applied to account for strength degradation during cyclic loading.

A_f - The coefficient of pore pressure response at failure during a triaxial test (change in pore pressure at failure/change in deviator stress).

AVG MAX q - Same as $\tau_{cyc\ max}$.

AVG MIN q - Same as $\tau_{cyc\ min}$.

C_c - The compression index, defined as the slope of the linear part of a consolidation curve plotted as a graph of void ratio vs. log of effective stress.

CE - The prefix for a constant rate of strain (CRS) consolidation test number.

cm - Centimeter.

c_v - The coefficent of consolidation, a sediment property that reflects the rate at which consolidation will occur.

$c_{v\ ave}$ - The average of all coefficients of consolidation determined from an oedometer test.

d_{50}, d_{100} - Dial readings at 50 and 100% of consolidation.

D - Same as Damping.

Damping - A dynamic sediment property calculated from a cyclic triaxial test. It represents the amount of energy lost per cycle as a percentage of the energy introduced.

DEL U - Same as Delta u.

Delta u - The change in excess porewater pressure from the beginning of a shear test.

Dev. - Same as Dev. Stress.

Dev. Stress - The deviator stress or difference between the major and minor principal effective stresses ($\sigma'_1 - \sigma'_3$).

E - The modulus of elasticity.

e - The void ratio.

F - Factor of safety (resisting force/driving force).

g - Acceleration due to gravity (9.8 m/sec^2).

G_s - The density of the mineral grains.

G_w - The density of sea water.

Ind. OCR - Induced overconsolidation ratio.

k - A pseudo-static earthquake acceleration necessary to cause a slope failure, used in this report as a sediment or site property.

K_f - The slope of a failure envelope plotted on a graph of q vs. p'.

km - Kilometer.

kPa - KiloPascal, kN/m^2.

LI - The liquidity index [(w-PL)/PI].

LL - The liquid limit (water content that separates plastic and liquid behavior of remolded samples).

LVDT - Linear variable differential transformer, the vertical compression readings obtained during a consolidation test.

m - Meter.

NSP - The normalized strength parameter approach, based on the assumption that strength parameters normalized by their consolidation stress are constant for a given sediment at a given OCR.

Obl - Obliquity, σ'_1 / σ'_3.

OCR - The overconsolidation ratio (σ'_{vm}/σ'_v).

OE - A prefix for oedometer test numbers.

O'OTEC - Oahu Ocean Thermal Energy Conversion.

P - Same as p'.

p' - The average normal effective stress acting on a sample at some point in a triaxial shear test $\frac{\sigma_1' + \sigma_3'}{2}$.

PI - The plasticity index (LL-PL).

PL - The plastic limit (water content that separates solid and plastic behavior of remolded samples).

Q - Same as q.

q - The peak shear stress acting on a sample at some point in a triaxial shear test $\frac{\sigma'_1 - \sigma'_3}{2}$.

SIG $1'_c$ - The major (or vertical) principal stress applied to a triaxial test sample prior to shear.

SIG $3'_c$ - The minor (or horizontal) principal stress applied to a triaxial test sample prior to shear.

S_{nc} - The ratio of the undrained shear strength of a normally consolidated sediment to its consolidation stress.

S_t - The sensitivity (intact shear strength/remolded shear strength).

STATIC q_f - Strength of a sample obtained from a static triaxial test.

Strn - Axial strain.

S_u - The undrained shear strength corrected for cyclic and anisotropic loading conditions if applicable.

S_{uoc} - The undrained shear strength of a sediment in an overconsolidated state.

t - Time after the beginning of a consolidation test increment.

t_{50}, t_{100} - Time required for 50 and 100% of pore pressure dissipation to occur in a consolidation test increment.

TC - Prefix for a cyclic triaxial test number.

TE - Prefix for a static triaxial test number.

U = u - Porewater pressure within a triaxial test sample.

w - Water content expressed as a percent of dry weight.

$w_{sheared}$ - Water content of a sheared triaxial test sample.

° - Symbol for angular degrees.

α - The slope angle.

γ - The total unit weight or density of a sediment.

γ' - The buoyant (submerged) unit weight or density of a sediment.

γ_{sw} - The unit weight of saltwater (10.05 kN/m^3).

$\Delta\sigma/\sigma$ - The pressure increment ratio (change in vertical stress during one loading increment of an oedometer test divided by the vertical stress before the increment).

Λ_o - A normalized strength parameter that relates the normalized strength of an overconsolidated sediment to its OCR.

σ'_1 - The major (or vertical) principal effective stress applied at any point in a triaxial test.

σ'_3 - The minor (or horizontal) principal effective stress applied at any point in a triaxial test.

σ'_c - The consolidation stress exerted on a triaxial test sample.

σ'_e - The excess past consolidation stress ($\sigma'_{vm} - \sigma'_v$).

σ_v - The in-situ vertical total stress exerted by the weight of overburden.

$\sigma'_v = \sigma'_{vo}$ - The in-situ vertical effective stress exerted by the weight of overburden.

σ'_{vm} - The maximum vertical effective stress that a sediment has ever experienced.

ϕ' - The friction angle of a sediment expressed in terms of effective stresses.

τ_{cyc} - The average single amplitude cyclic stress applied to a sample during a cyclic triaxial test.

$\tau_{cyc\ ave\ max} = \tau_{cyc\ max}$ - The average single amplitude cyclic compressive stress applied to a sample during a cyclic triaxial test.

$\tau_{cyc\ min}$ - The average single amplitude cyclic tensile stress applied to a sample during a cyclic triaxial test.

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LIST OF FIGURES

STATION	LATITUDE LONGITUDE	INTERVAL IN CORE (cm)	WATER DEPTH (m)	SLOPE % (degrees)
1	21° 19.78'N 158° 10.20'W	0-55	740	16.0 (9.1)
		55-205		
2	21° 19.91'N 158° 11.61'W	0-25	960	9.0 (5.1)
		25-175		
6	21° 17.23'N 158° 11.96'W	0-41	1110	11.5 (6.6)
		41-191		
		191-341		
		341-491		
8	21° 16.44'N 158° 11.01'W	0-100	1010	14.0 (8.0)
		100-250		
		250-400		
		400-550		

Table 1. Station locations, section intervals, water depths, and slopes.

STATION	DEPTH IN CORE(cm)	VANE SHEAR STRENGTH(kPa)			WATER CONTENT(%)	ATTERBERG LIMITS				BULK DENSITY (kN/m^3)	GRAIN DENSITY (gm/cm^3)	GRAIN SIZE (%)				$CaCO_3$ (%)	Organic Carbon (%)
		INTACT	REMOLDED	SENSITIVITY		LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	LIQUIDITY INDEX			GRAVEL	SAND	SILT	CLAY		
1G	4	*	*	*	101.8	74/70	41/41	33/29	1.84/2.10		2.63/2.59		28.1	59.0	12.9		
	43				69.2					16.48						86.3	1.2
	48				63.9	53	42	11	1.99	16.37	2.70		33.5	39.8	26.7	84.5	1.0
	59	9.2	2.5	3.7	63.3/71.2	60	42	18	1.35/1.62	15.69			20.6	48.2	31.2		
	85				76.7	61	34	27	1.58				34.3	35.2	30.5		
	95				77.8					16.23							
	106				75.7	58	36	22	1.80	16.31	2.68		20.6	45.9	33.4		
	116				81.2					15.55							
	134				91.7	65	43	22	2.21	14.62	2.59		18.5	49.0	32.5		
	143				92.8	67	42	25	2.03				20.6	46.7	32.7		
	152				86.9					15.53							
	164				77.1	56	49	7	4.01	15.02	2.70		34.2	40.7	25.1		
	172				71.6	49	41	8	2.83				39.1	37.2	23.7		
	176				64.3					16.42						81.5	0.8
	184				68.4					15.91							
	190				61.4												
	195				58.9		NP			15.96	2.75		59.0	30.0	11.0		
	199				49.8												

NP = Non-Plastic
* = Unable to perform vane shear test at this location due to disturbance at the top of the core or because the grain size distribution was too coarse.
Note: At some locations two index property values were determined.

Table 2. Index properties.

STATION	DEPTH IN CORE(cm)	VANE SHEAR STRENGTH(kPa) INTACT	REMOLDED	SENSI-TIVITY	WATER CONTENT(%)	ATTERBERG LIMITS LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	LIQUIDITY INDEX	BULK DENSITY (kN/m^3)	GRAIN DENSITY (gm/cm^3)	GRAIN SIZE (%) GRAVEL	SAND	SILT	CLAY	$CaCO_3$ (%)	Organic Carbon (%)
2G	3	*	*	*	76.9	74	44	30	1.10		2.59		24.0	47.3	28.7		
	20				79.0	62	42	20		15.61	2.56		30.2	43.2	26.6		
	28	13.0	3.3	3.9	64.6/63.1	64	44	20	1.03/0.96	15.69			23.9	48.0	28.1		
	36				63.8					16.06							
	58				67.4	58	41	17	1.55	17.00	2.72		19.8	47.7	32.6		
	69				67.5					15.80							
	75				68.4					15.88	2.77		26.3	47.2	26.5		
	80				67.6	57	41	16	1.66		2.62		22.1	48.3	29.7		
	83				60.1												
	88				58.2		NP			16.80	2.65		52.6	29.5	17.9		
	97				52.3		NP				2.84	0.3	79.3	14.7	5.7		
	102				48.5												
	103				56.7/57.1					16.25						75.3	1.1
	105				83.5												
	108				83.1	74/71	47/44	27/27	1.34/1.45		2.66		21.4	48.1	30.5		
	111				65.8												
	116				71.8					16.39							
	120				70.1												
	127				74.0	63	44	19	1.58	15.25	2.59		25.0	48.3	26.7	86.0	--
	138				67.7	58	39	19	1.51	16.29	2.73		25.0	46.9	28.1	86.9	0.7
	145				68.0					16.63							
	156				71.9	60	42	18	1.66	15.48	2.62		21.2	49.4	29.4		
	167				86.4	58	37	21	2.35				29.2	43.5	27.3		

NP = Non-Plastic
* = Unable to perform vane shear test at this location due to disturbance at the top of the core or because the grain size distribution was too coarse.
Note: At some locations two index property values were determined.

Table 2 Continued. Index properties.

STATION	DEPTH IN CORE(cm)	VANE SHEAR STRENGTH(kPa) INTACT	REMOLDED	SENSI-TIVITY	WATER CONTENT(%)	ATTERBERG LIMITS LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	LIQUIDITY INDEX	BULK DENSITY (kN/m^3)	GRAIN DENSITY (gm/cm^3)	GRAIN SIZE (%) GRAVEL	SAND	SILT	CLAY	$CaCO_3$ (%)	Organic Carbon (%)
6G	3	*	*	*	84.9	72	48	24	1.54		2.64		25.1	58.8	16.1		
	44	15.8	3.5	4.6	62.5/60.4	57	44	13	1.42/1.26	16.08			34.9	42.2	22.9		
	60				57.8		NP				2.85		34.0	45.2	20.8		
	63				61.0		NP			16.37	2.72		51.4	32.7	15.9		
	86				62.8		NP						40.1	37.2	22.6		
	105				72.3					16.36							
	116				68.9	61	46	15	1.53	16.33	2.74		20.9	51.3	27.8		
	126				67.9					16.41							
	134				57.0	51	36	15	1.40	17.06	2.78		14.6	57.1	28.3	79.7	1.0
	140				61.6	55	38	17	1.39		2.88		15.6	52.9	31.5		
	148				64.2	55	40	15	1.61	16.51	2.81		15.2	59.7	25.0		
	160				66.5	56	34	22	1.48	15.60	2.77		16.7	54.0	29.2		
	170				70.1					16.54							
	181				72.1					16.29							
	184				59.4												
	185				51.0	48	31	17	1.18		2.71		32.0	41.5	26.5		
	194	17.5	3.3	5.3	50.0/48.1		NP			16.97			54.2	26.7	19.1		
	199				54.5												
	204				77.1	61	40	21	1.77	15.65	2.90/2.72		13.9	50.1	35.9		
	208				70.9												
	215				68.3					15.91							
	237				61.2		NP				2.82		45.7	31.1	23.3		
	253				65.0		NP			16.67	2.65		50.1	35.2	14.7		
	258				75.9	67	47	20	1.45		2.77		25.6	48.6	25.8		
	261				78.8						2.74		30.4	44.3	25.3		
	264				71.7	64	47	17	1.45		2.87		36.0	43.8	20.2		
	269				60.0					16.73							
	292				64.3		NP						78.0	11.3	10.7		
	317				61.0		NP				2.83		61.0	24.2	14.8		
	344	*	*	*	56.5/62.4		NP			16.08			59.9	26.0	14.1		
	360				61.0		NP				2.84		50.1	29.7	20.2		
	384				59.6		NP				2.64		45.9	34.5	19.6		
	453				69.0	69	49	20	1.00				25.3	47.8	26.9		
	457				81.0												
	458				91.8	77	51	26	1.29	15.38	2.73		25.7	59.0	15.3	69.5	0.3
	459				86.1												
	485				77.3	77	40	37	1.01				23.9	41.4	34.7		

NP = Non-Plastic

* = Unable to perform vane shear test at this location due to disturbance at the top of the core or because the grain size distribution was too coarse.

Note: At some locations two index property values were determined.

Table 2 Continued. Index properties.

STATION	DEPTH IN CORE(cm)	VANE SHEAR STRENGTH(kPa) INTACT	REMOLDED	SENSITIVITY	WATER CONTENT(%)	ATTERBERG LIMITS LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	LIQUIDITY INDEX	BULK DENSITY (kN/m^3)	GRAIN DENSITY (gm/cm^3)	GRAIN SIZE (%) GRAVEL	SAND	SILT	CLAY	$CaCO_3$ (%)	Organic carbon (%)
8G	3	*	*	*	88.4	87	50	37	1.04		2.60		15.2	50.3	34.4		
	39				81.4	70	45	25	1.46				13.2	54.2	32.6		
	44				79.0					15.64							
	69				62.3		NP				2.76		32.1	52.6	15.3		
	90				65.3		NP			15.71	2.77		33.9	43.0	23.1		
	103	*	*	*	80.8		NP			15.10			66.8	24.1	9.1		
	119				80.3	68/60	55/41	13/19	1.95/2.07		2.72/2.85		26.6	43.8	29.6		
	123				76.5					15.47							
	143				65.9		NP			16.34	2.69		51.8	34.1	14.1		
	147				67.9		NP			16.22	2.73		57.1	36.7	6.2	70.4	1.8
	151				76.1					16.00	2.72		37.3	43.2	19.5	77.7	0.1
	167				79.3	66	41	25	1.53				24.9	57.1	18.0		
	176				79.9					15.67							
	186				70.0	59	49	10	2.10		2.59		24.7	48.9	26.4		
	196				74.3					15.91							
	205				67.9					16.04							
	213				66.2		NP				2.59		51.0	36.8	12.2		
	222				71.0					15.40							
	242				69.0					16.28							
	253	14.8	3.9	3.7	61.6/65.5		NP			15.98			28.2	56.4	15.4		
	282				68.4	61	44	17	1.44		2.76		22.6	60.6	16.8		
	290				73.6					17.08							
	300				71.0	64	40	24	1.29		2.77		11.2	31.6	57.2		
	322				63.9					15.93							
	328				64.6	53	36	17	1.68	16.76	2.71		17.0	54.7	28.3	85.8	0.6
	337				60.2	53	40	13	1.55	16.01	2.8		17.0	64.5	18.5		
	346				60.2	52	41	11	1.75	16.64	2.73		20.5	54.3	25.2	78.4	0.7
	350				63.0	55	41	14	1.57				19.6	57.5	22.9		
	358				74.9					16.23							
	369				56.2					16.74							
	378				62.9	59	39	20	1.2		2.80		29.1	58.4	12.5		
	403	16.3	4.2	3.9	46.9/30.6		NP			16.87		11.4	57.1	18.1	13.4		
	420				49.8	50	40	10	0.98		2.82		27.0	52.2	20.8		
	450				53.9		NP				2.77		57.3	30.9	11.8		
	470				55.6	56	44	12	0.97		2.74/2.73		23.2	56.8	20.0		
	491				73.4	67	37	30	1.21				12.5	51.2	36.3		
	510				57.6		NP				2.86		48.2	41.2	10.6		
	541				74.1	66	49	17	1.48				27.8	41.5	30.6		

NP = Non-Plastic

* = Unable to perform vane shear test at this location due to disturbance at the top of the core or because the grain size distribution was too coarse.

Note: At some locations two index property values were determined.

Table 2 Continued. Index properties.

Core	Depth (m)	Test No.	σ'_{vo} (kPa)	σ'_{vm} (kPa)	σ'_{e} (kPa)	C_c	$c_v x10^{-2}$ (cm^2/sec) from	to	OCR	$\Delta\sigma/\sigma$	$c_{vave} x10^{-2}$ (cm^2/sec)
1G	0.43	OE20	2.8	51	48	0.389	0.7	2.2	18	1	1.1
	0.48	OE13	3.1	78	75	0.385	0.2	1.6	26	1	0.8
	1.76	OE10	5.8	90	84	0.374	0.1	1.5	8	1	0.8
2G	0.20	OE22	1.1	25	24	0.471	0.02	1.5	23	2	0.9
	0.75	OE25	4.5	54	49	0.430	0.2	1.0	13	2	0.8
	1.03	OE16	6.3	**	**	**	0.3	2.2	**	1	1.2
	1.38	OE14	8.3	90	82	0.407	0.04	1.2	10	1	0.7
6G	0.63	OE28	3.9	**	**	**	0.4	1.4	**	2	1.0
	1.34	OE6	8.6	160	151	0.379	0.2	0.8	17	1	0.5
	1.81	OE26	11.4	52	41	0.499	0.4	1.3	5	2	0.6
	2.69	OE27	17.0	**	**	**	0.1	1.3	**	2	1.0
	4.58	OE5	28.6	170	141	0.714	0.1	1.2	7	1	0.5
8G	0.44	OE23	2.5	13	10	0.417	0.1	1.1	5	2	0.6
	1.23	OE29	6.7	23	16	0.409	0.6	1.5	4	2	0.9
	1.43	OE24	8.0	**	**	**	0.2	1.4	**	2	0.9
	1.47	OE7	8.4	**	**	**	0.1	1.0	**	1	0.4
	1.51	CE6	8.7	**	**	**	0.7	64.8	**	-	--
	3.28	OE21	19.4	72	53	0.412	0.7	1.9	3	1	1.1
	3.46	OE9	20.6	70	49	0.356	0.1	1.6	3	1	0.8

** unable to determine value from consolidation test

Note: C_c values were determined from laboratory e-log p' curves. Field values can be estimated using the method proposed by Schmertmann (1955).

Table 3. Consolidation test results.

Core	Depth (m)	σ'_v (kPa)	σ'_e (kPa) (1)	S_{nc}	Λ_o	A_c	S_u Static (kPa) (1)	A_d	S_u Cyclic (kPa) (1)	σ'_e (kPa) (2)	S_u Static (kPa) (2)	S_u Cyclic (kPa) (2)
1G	1	5.8	70	0.55	0.74	0.68	14.6	0.70	10.2			
	3	17.4	80				21.6	0.70	15.1			
	5	29.0	80				28.9	0.70	20.2			
	10	65.8	74				43.0	0.70	30.1			
	30	205.2	68				94.9	0.70	66.4	0	76.7	53.7
	50	346.0	68				147.7	0.70	103.4	0	129.4	90.6
2G	1	6.0	57	0.49	0.87	0.65	14.7	0.74	10.9			
	3	18.1	80				25.1	0.74	18.6			
	5	30.2	80				29.6	0.74	21.9			
	10	67.2	65				38.6	0.78	30.1			
	30	206.4	51				79.6	0.82	65.3	0	65.7	53.9
	50	350.0	51				125.5	0.82	102.9	0	111.5	91.4
6G	1	6.2	32	0.41	0.83	0.70	8.0	0.81	6.5			
	3	18.7	77				20.7	0.81	16.8			
	5	31.2	124				33.8	0.81	27.4			
	10	64.7	107				41.8	0.85	35.5			
	30	205.2	91				79.9	0.89	71.1	0	58.9	52.4
	50	353.5	91				122.7	0.89	109.2	0	101.5	90.3
8G	1	6.1	11	0.54	0.80	0.70	5.3	0.78	4.1			
	3	18.1	29				14.9	0.78	11.6			
	5	30.2	50				24.9	0.78	19.4			
	10	64.5	41				36.1	0.83	30.0			
	30	202.8	32				86.2	0.89	76.7	0	76.6	68.2
	50	347.0	32				140.8	0.89	125.3	0	131.1	116.7

(1): σ'_e= Assumption 1. (2): σ'_e= Assumption 2.

Table 4. Calculated values of estimated in situ static and cyclic undrained shear strength.

Core	Depth (m)	Test No.	Test Type	w (%)	w sheared (%)	σ_c' (kPa)	A_f	Ind. OCR	Strain at fail. (%)	q at fail. (kPa)	p' at fail. (kPa)	S_u/σ_c'	ϕ' (degrees)
1G	0.95	TE31	T-1	77.8	75.2	0.4	-0.09	-	19.4	6.7	8.4	15.05	<52.8
	1.34	TE40	T-8	91.7	48.8	118.2	0.18	2.9	14.0	131.2	202.7	1.11	<40.3
	1.52	TE41	T-4	86.9	47.5	58.2	-0.03	6.0	15.3	131.2	196.3	2.25	<41.9
	1.64	TE42	T-3	77.1	44.8	355.9	0.60	1.0	15.8	196.7	316.2	0.55	38.5
	1.94	TE43	T-7	58.9	46.0	369.3/182	0.33	1.0	12.7	139.1	228.6	0.38	37.5
2G	0.36	TE52	T-1	63.8	63.1	0.4	-0.15	--	18.4	19.4	25.7	48.5	<49.1
	0.88	TE44	T-3	58.2	45.3	251.0	0.67	1.0	13.2	122.5	209.4	0.49	35.8
	1.16	TE45	T-4	71.8	51.2	49.3	-0.10	6.3	9.5	112.9	184.6	2.29	<37.7
	1.27	TE46	T-8	74.0	49.4	108.7	0.10	3.1	15.8	145.4	225.2	1.34	<40.2
	1.56	TE47	T-7	71.9	45.7	427.5/198	0.37	1.0	5.1	136.5	233.3	0.32	35.8
6G	1.05	TE53	T-3D	72.3	62.6/46	253.1	0.00	1.0	18.7	362.7	615.5	1.43	>36.1
	1.60	TE49	T-3	66.5	47.4	297.5	0.91	1.0	9.8	122.1	197.1	0.41	38.3
	1.70	TE50	T-4	70.1	45.7	57.3	-0.08	5.7	7.1	102.4	175.1	1.79	<35.8
	2.04	TE17	T-1	77.1	76.1	0.2	-0.21	--	19.9	8.9	12.8	42.24	<43.7
	2.53	TE51	T-7	65.0	53.3	417.2/196	0.32	1.0	11.3	161.3	254.7	0.39	39.3
	2.15	TE55	T-8	68.3	48.6	112.9	0.20	3.1	11.7	112.9	181.8	1.00	<38.4
8G	0.90	TE14	T-1	65.3	66.3	0.7	-0.23	--	19.8	18.7	27.9	25.24	<42.0
	1.76	TE48	T-7	79.9	61.3	159/83	0.38	1.0	3.9	59.9	97.0	0.38	38.1
	2.05	TE54	T-3D	67.9	55/48	183.9	0.00	1.0	14.1	253.9	437.5	1.38	>35.5
	2.22	TE25	T-4	71.0	54.6	63.1	-0.08	6.0	10.5	154.8	244.0	2.45	<39.4
	3.22	TE37	T-3	63.9	43.6	380.0	0.82	1.0	12.8	171.1	270.1	0.45	39.3
	3.37	TE24	T-3	60.2	44.9	242.1	0.65	1.0	14.4	129.8	204.1	0.54	39.5
	3.58	TE26	T-8	74.9	51.4	125.1	0.18	3.4	8.9	132.2	210.3	1.06	<38.9
	3.69	TE36	T-3	56.2	45.9	142.5	0.56	1.0	13.0	84.1	132.1	0.59	39.6

Table 5. Static triaxial test results.

Core	Depth (m)	Test No.	Test Type	w (%)	w sheared (%)	σ'_c (kPa)	Induced OCR	τ_{cyc}/S_u (%) max	τ_{cyc}/S_u (%) min	Cycles to failure
1G	1.06	TC4	T-6	75.7	44.5	356.0	1.0	56.7	-47.3	59
	1.16	TC3	T-5	81.2	44.7	354.8	1.0	68.6	-58.2	13
	1.84	TC9	T-10	68.4	40.6	58.3	6.1	51.3	-45.2	130
2G	0.58	TC7	T-6	67.4	47.2	252.8	1.0	56.0	-48.3	187
	0.69	TC6	T-5	67.5	46.8	252.8	1.0	73.5	-69.3	27
	1.45	TC8	T-9	68.0	49.5	44.1	5.7	62.3	-64.0	36
6G	1.16	TC12	T-9	68.9	52.3	52.0	6.1	69.3	-63.7	45
	1.26	TC11	T-5	67.9	48.7	302.7	1.0	85.7	-83.5	16
	1.48	TC10	T-6	64.2	47.4	298.4	1.0	73.1	-64.7	80
8G	1.96	TC17	T-10	74.3	51.6	63.3	6.0	47.3	-47.8	49
	2.42	TC13	T-5	69.0	51.3	243.8	1.0	81.9	-73.2	25
	2.90	TC14	T-6	73.6	53.5	243.2	1.0	79.6	-44.3	33

Table 6. Cyclic triaxial test results.

Core	Depth (m)	σ_v (kPa)	σ'_v (kPa)	α (°)	S_u Cyclic (kPa) (σ'_e=Assump. 1)	k (g's)	S_u Cyclic (kPa) (σ'_e=Assump. 2)	k (g's)	Static Safety Factor (F)
1G	1	15.8	5.8	9.1	10.2	0.60			3.5
	3	47.6	17.4		15.1	0.27			
	5	79.3	29.0		20.2	0.20			
	10	166.3	65.8		30.1	0.12			
	30	506.7	205.2		66.4	0.07	53.7	0.04	
	50	848.5	346.0		103.4	0.06	90.6	0.04	
2G	1	16.1	6.0	5.1	10.9	0.65			5.5
	3	48.3	18.1		18.6	0.35			
	5	80.5	30.2		21.9	0.24			
	10	167.7	67.2		30.1	0.15			
	30	507.9	206.4		65.3	0.09	53.9	0.07	
	50	852.5	350.0		102.9	0.09	91.4	0.07	
6G	1	16.3	6.2	6.6	6.5	0.36			3.6
	3	48.9	18.7		16.8	0.30			
	5	81.5	31.2		27.4	0.30			
	10	165.2	64.7		35.5	0.17			
	30	506.7	205.2		71.1	0.10	52.4	0.06	
	50	856.0	353.5		109.2	0.08	90.3	0.06	
8G	1	16.2	6.1	8.0	4.1	0.21			3.9
	3	48.3	18.1		11.6	0.19			
	5	80.5	30.2		19.6	0.20			
	10	165.0	64.5		30.0	0.13			
	30	504.3	202.8		76.7	0.10	68.2	0.08	
	50	849.5	347.0		125.3	0.09	116.7	0.08	

Table 7. Calculated strength and site parameters corrected for coring disturbance and extrapolated below depth of sampling.

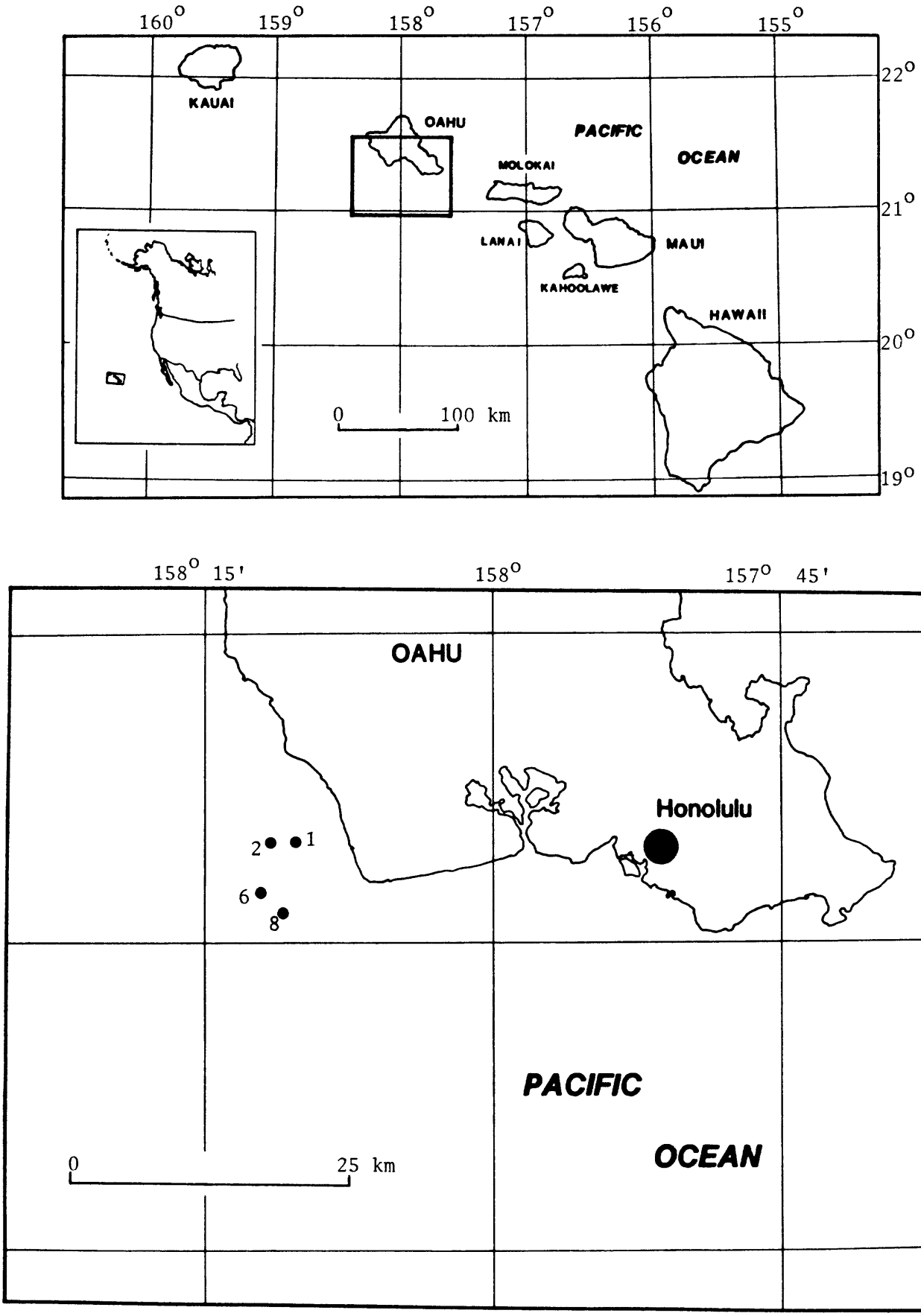


Figure 1. Station location map (after Winters, 1981).

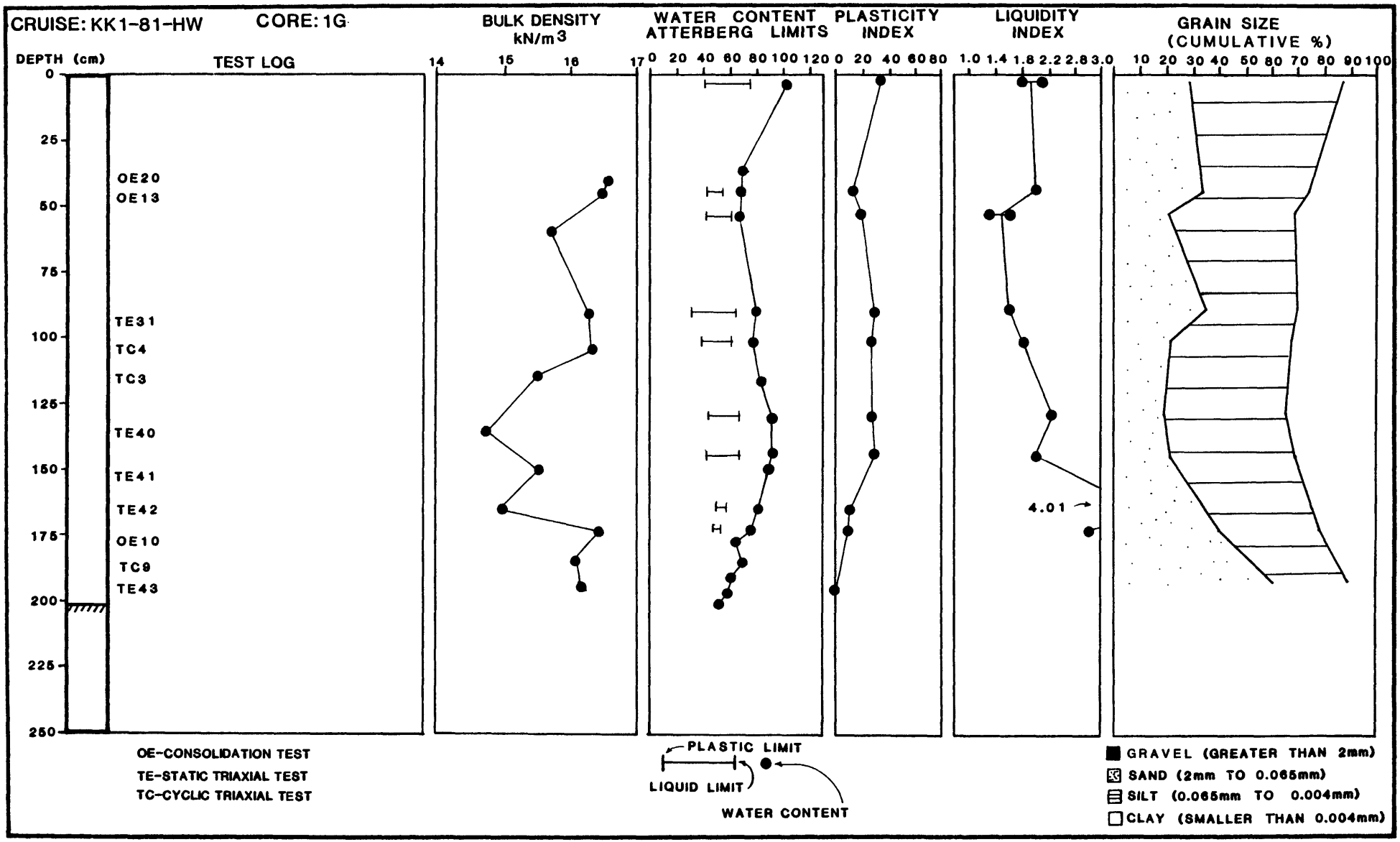


Figure 2. Test log and index properties.

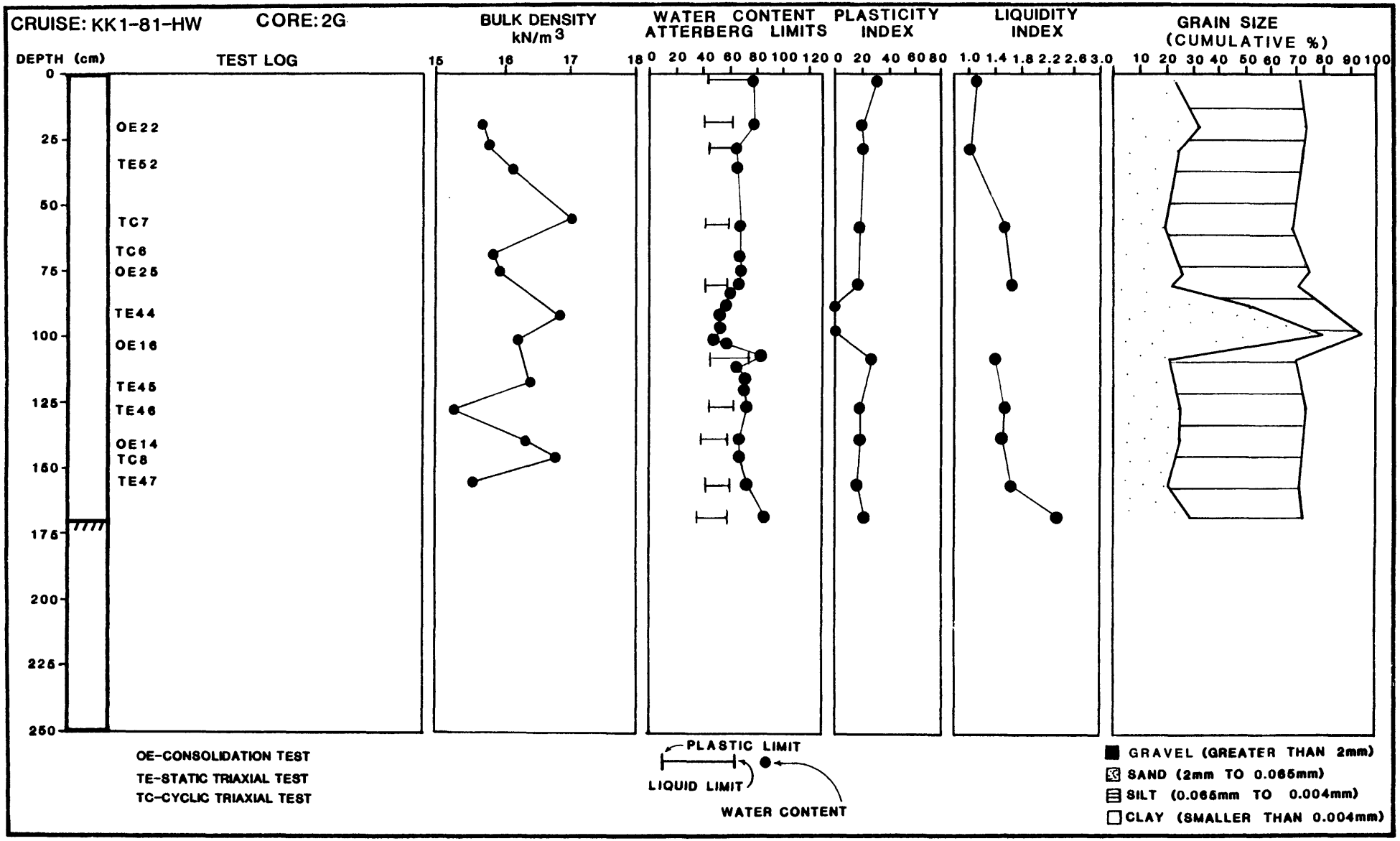


Figure 2 Continued. Test log and index properties.

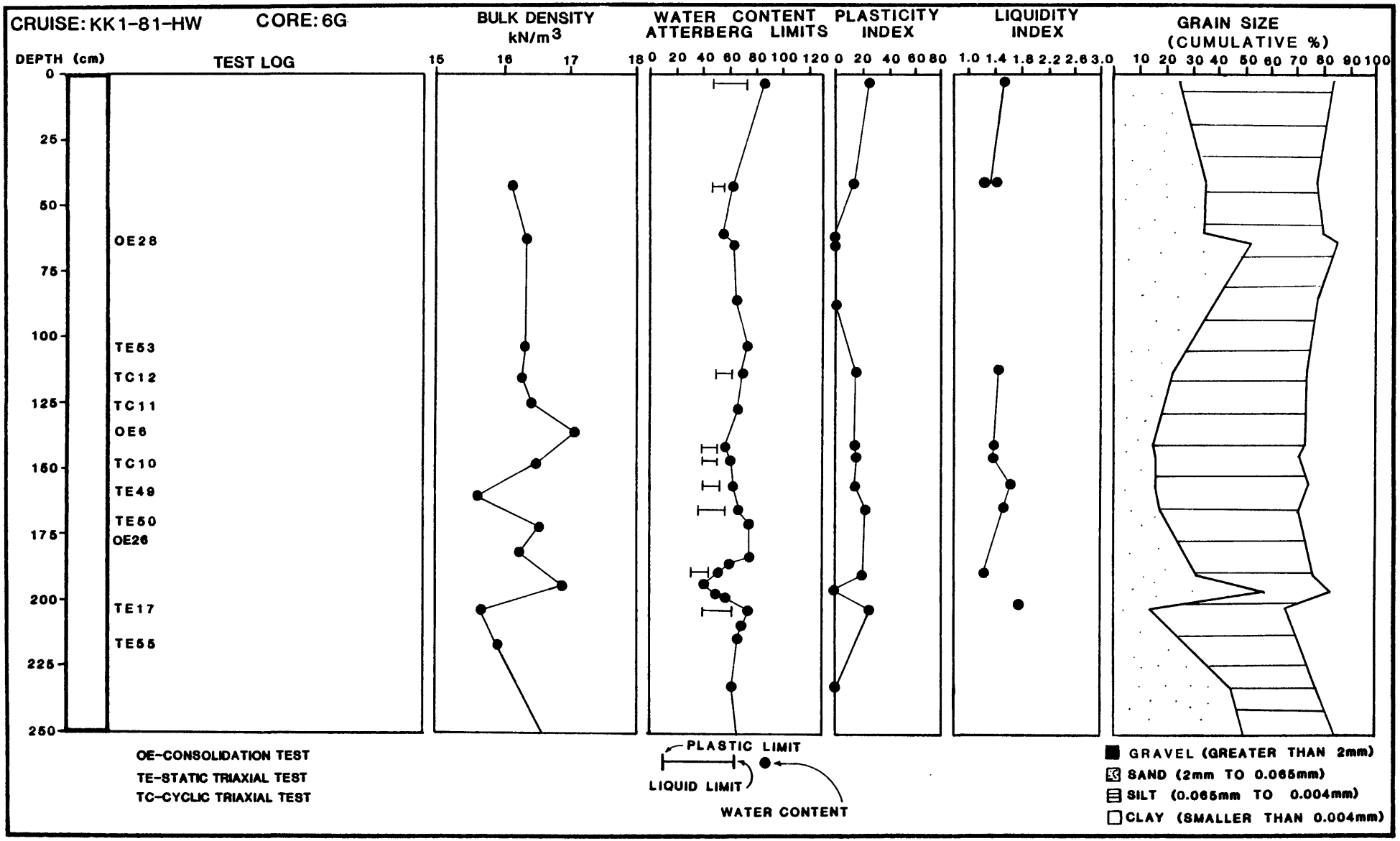


Figure 2 Continued. Test log and index properties.

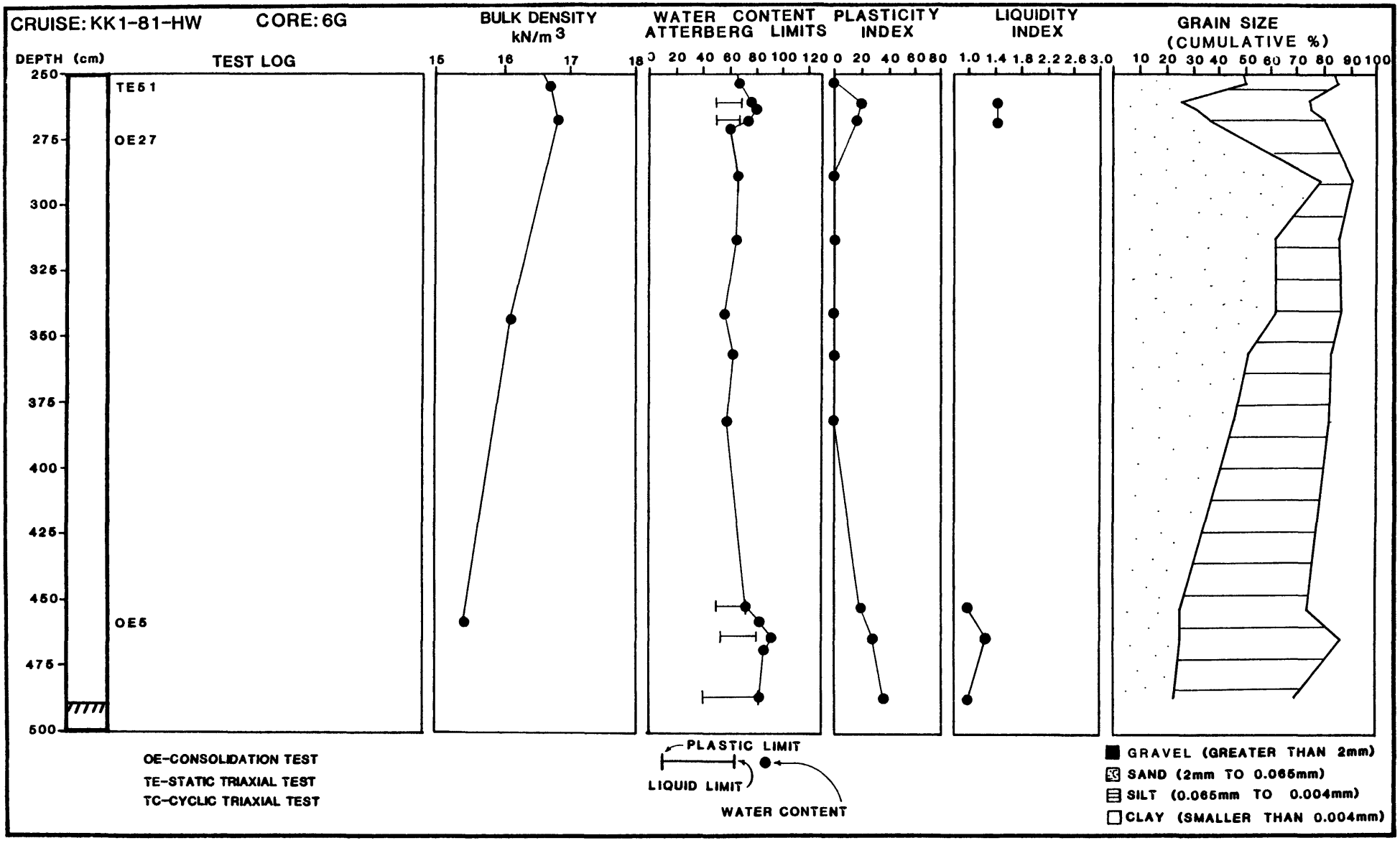


Figure 2 Continued. Test log and index properties.

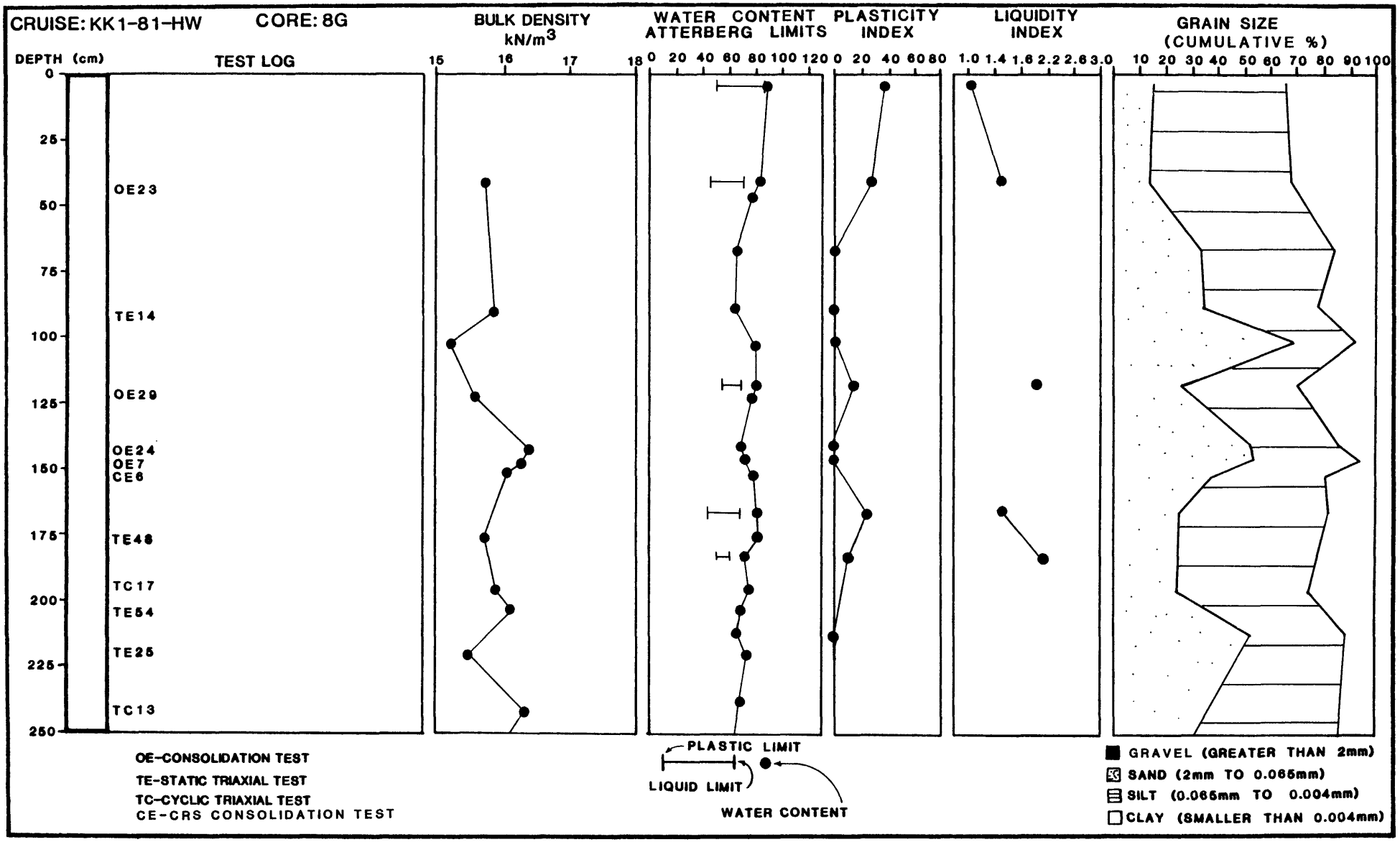


Figure 2 Continued. Test log and index properties.

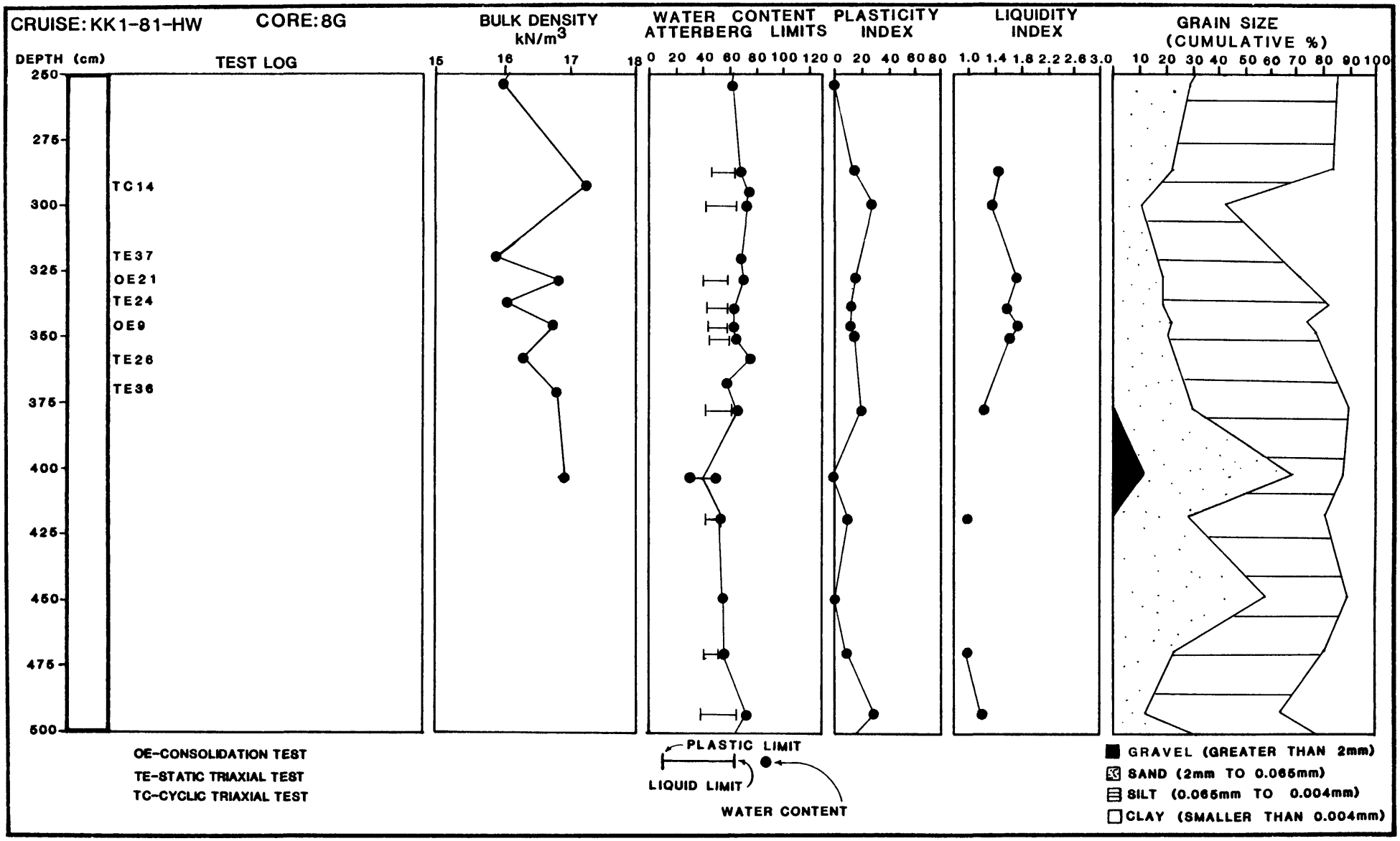


Figure 2 Continued. Test log and index properties.

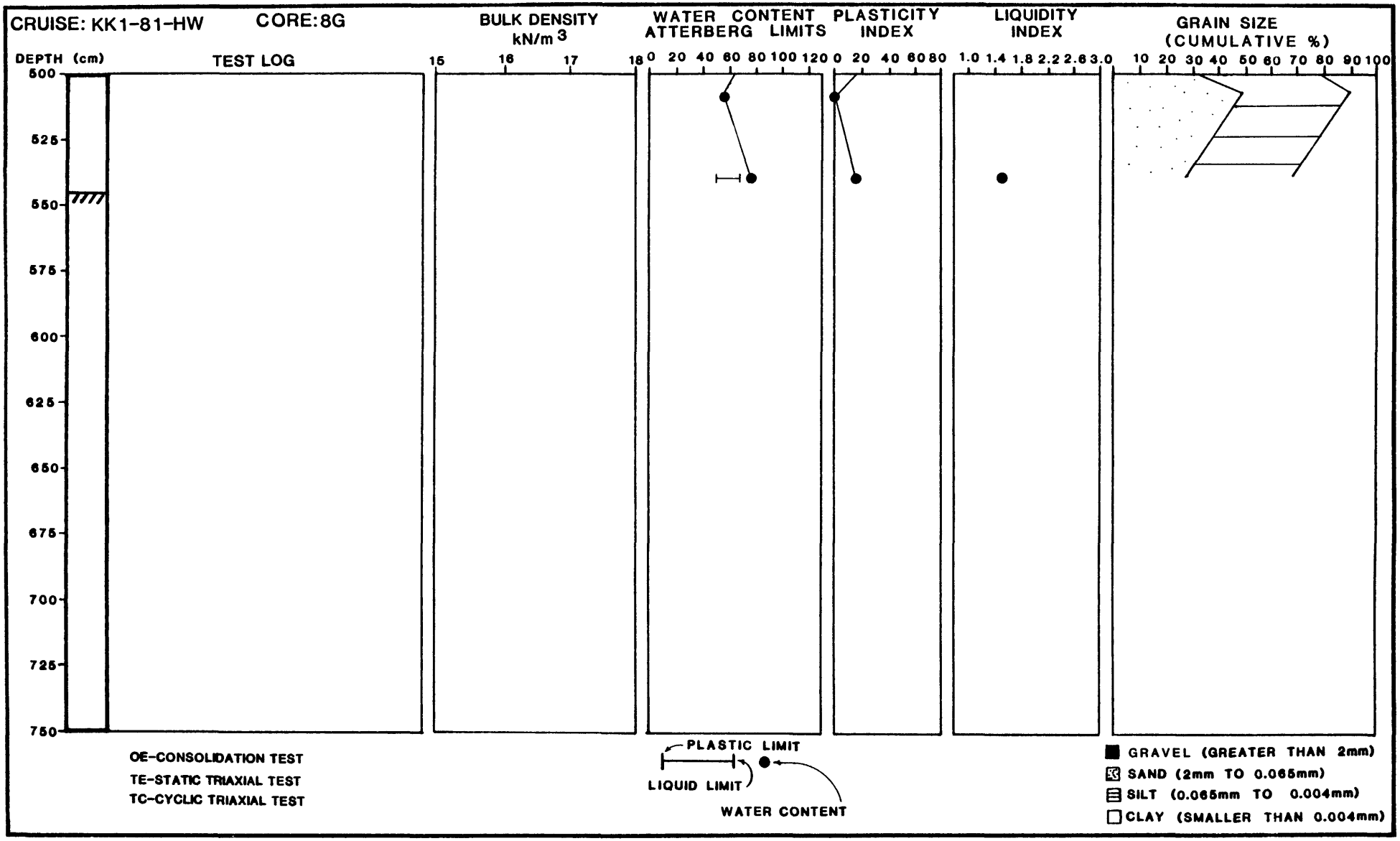


Figure 2 Continued. Test log and index properties.

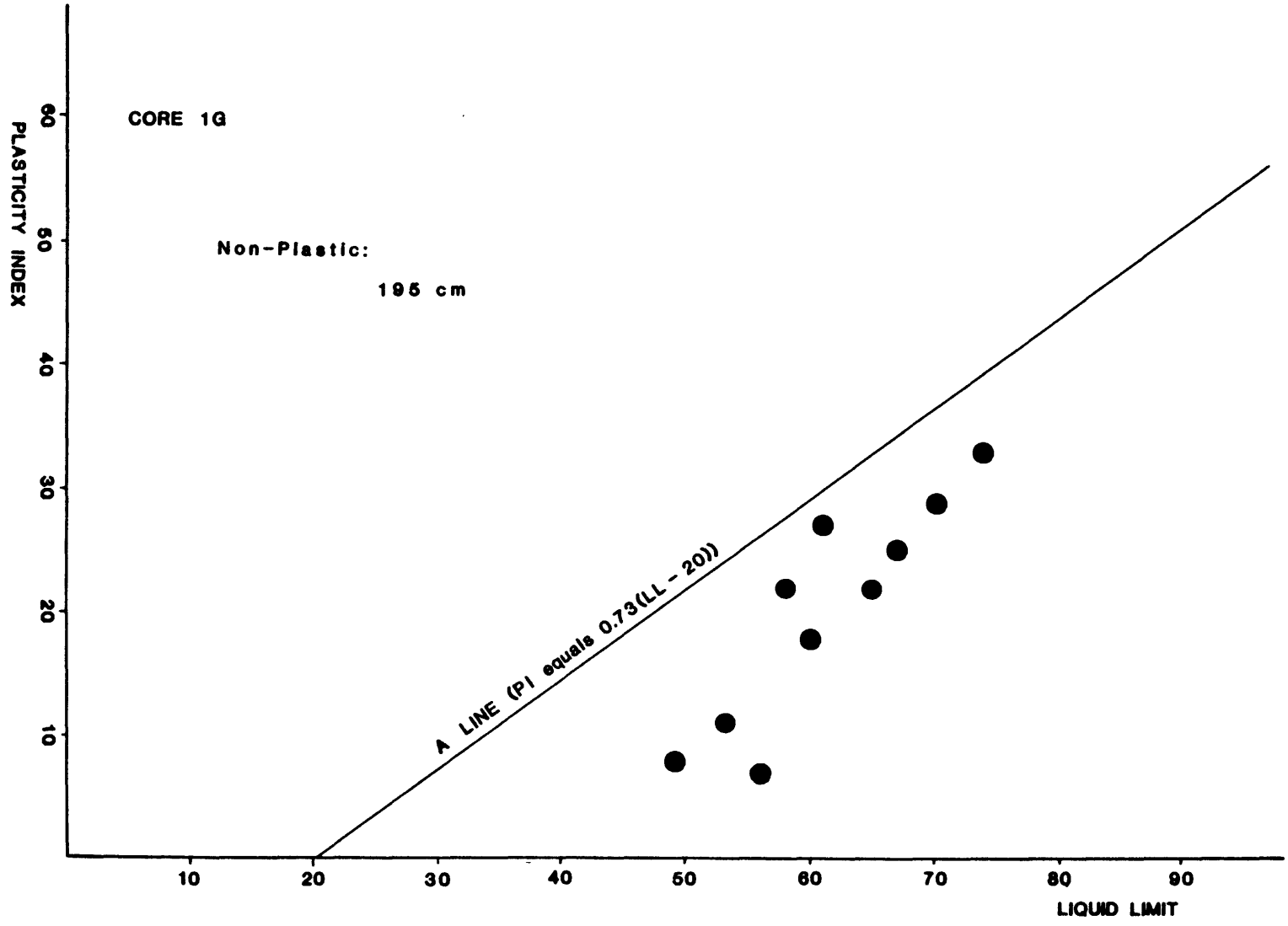


Figure 3. Plasticity chart.

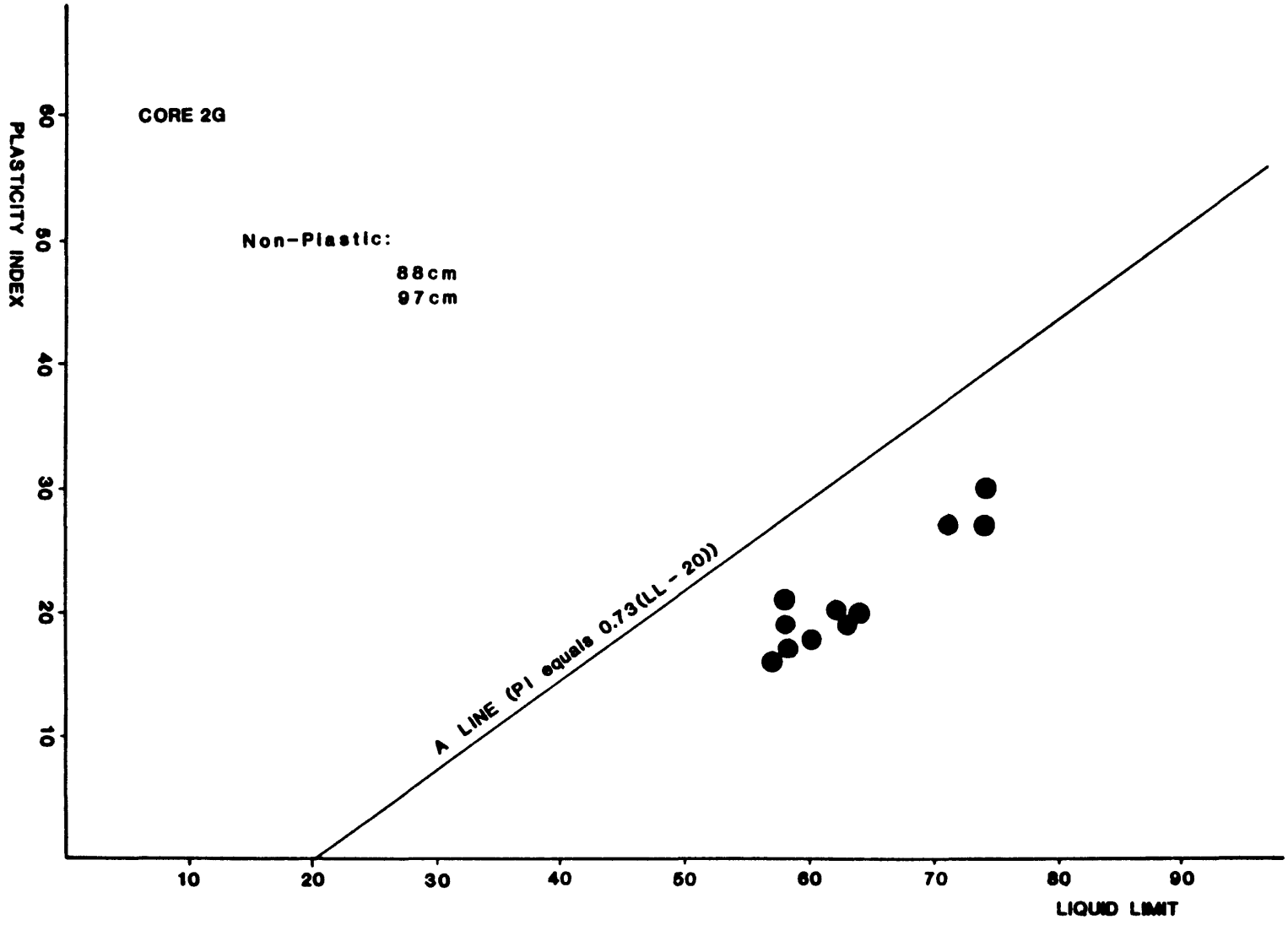


Figure 3 Continued. Plasticity chart.

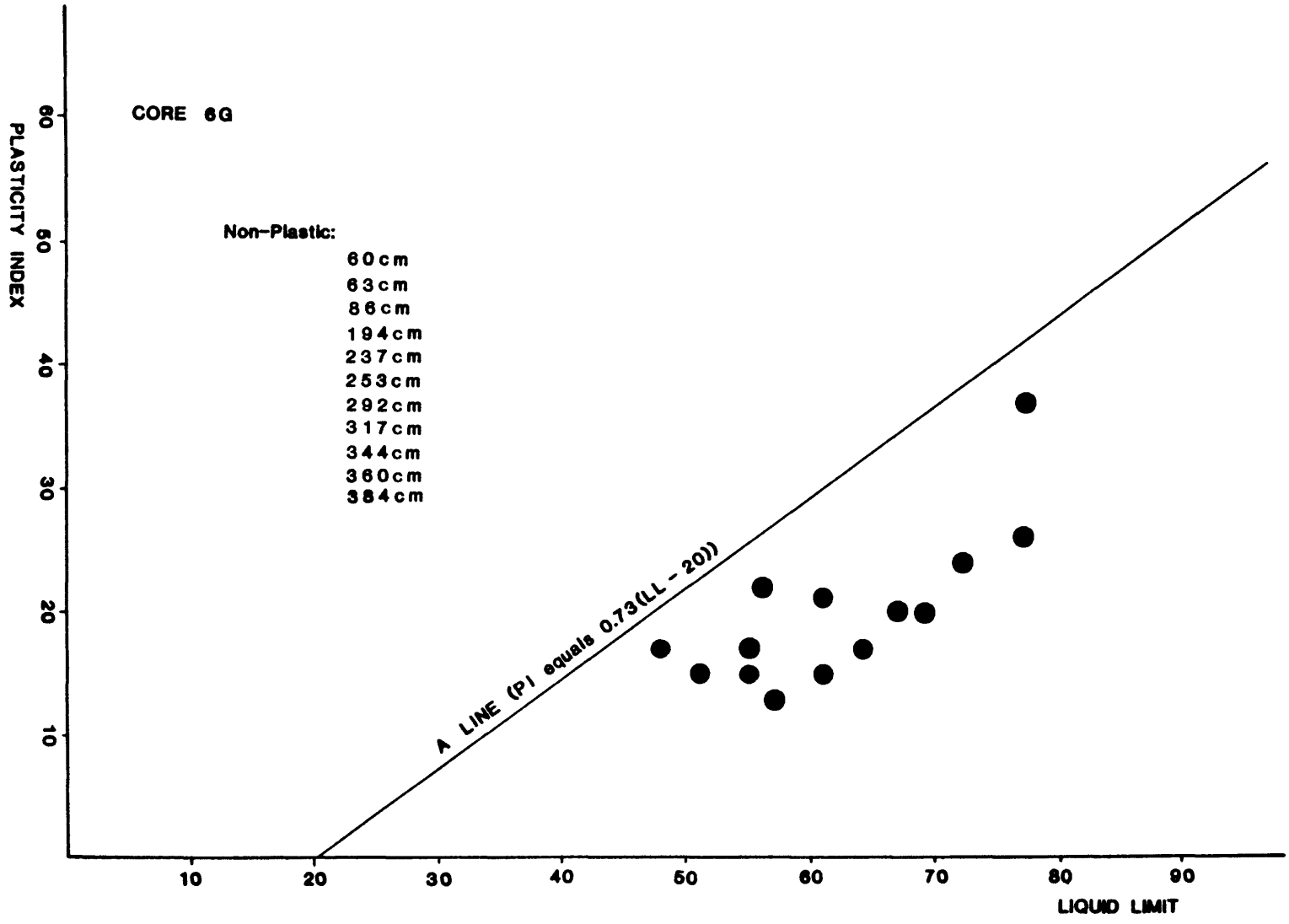


Figure 3 Continued. Plasticity chart.

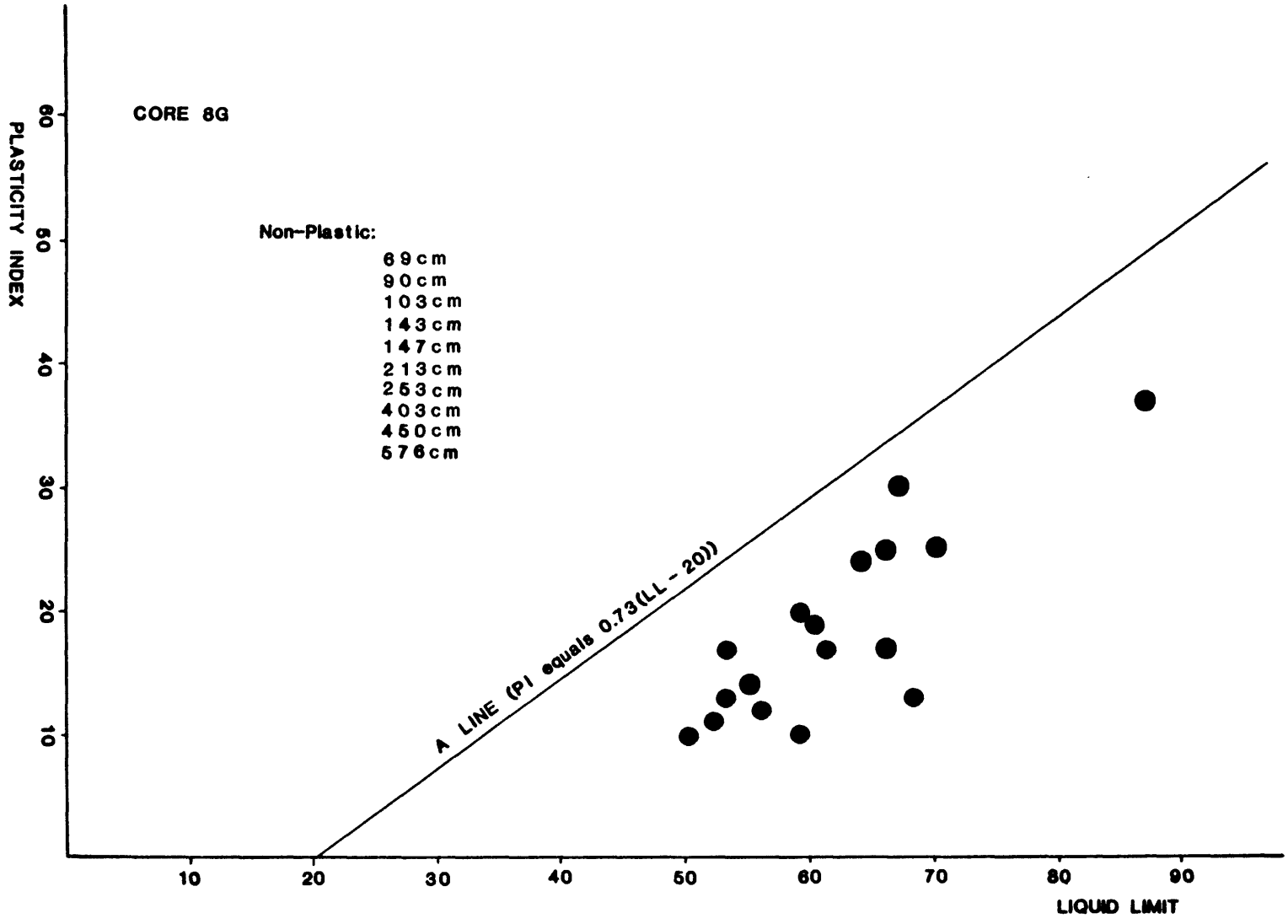


Figure 3 Continued. Plasticity chart.

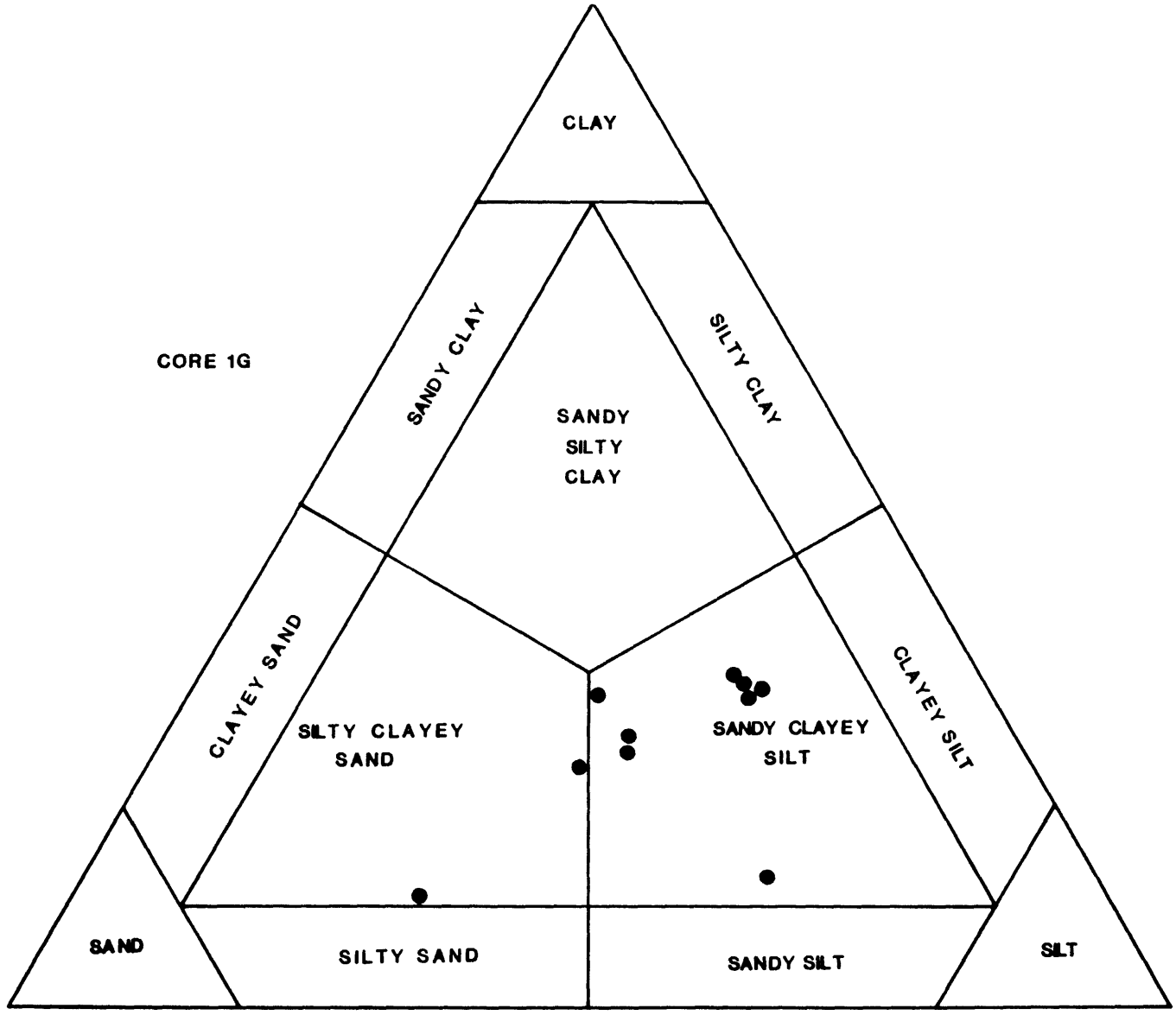


Figure 4. Grain size distribution
(after Gorsline, 1960).

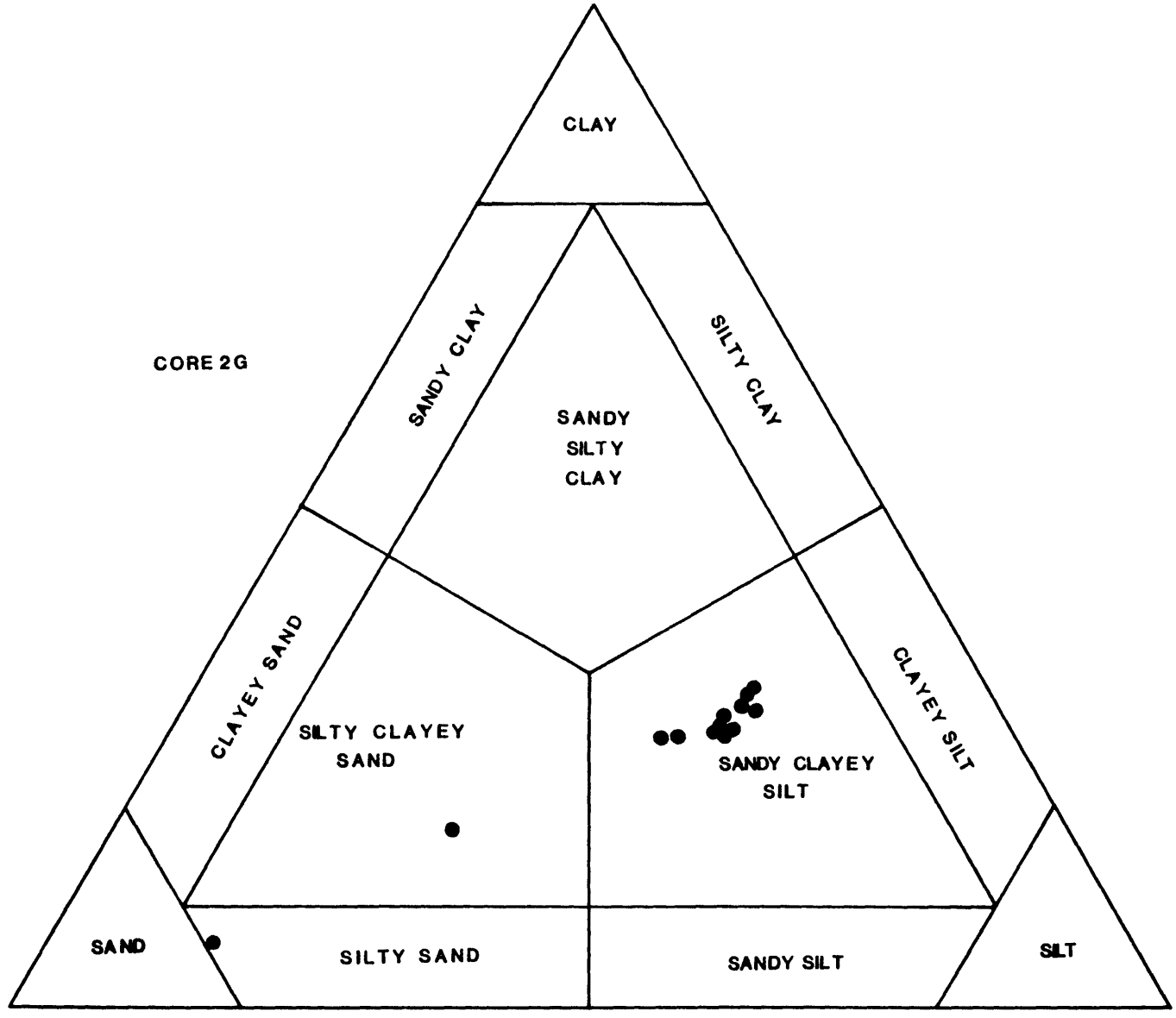


Figure 4 Continued. Grain size distribution (after Gorsline, 1960).

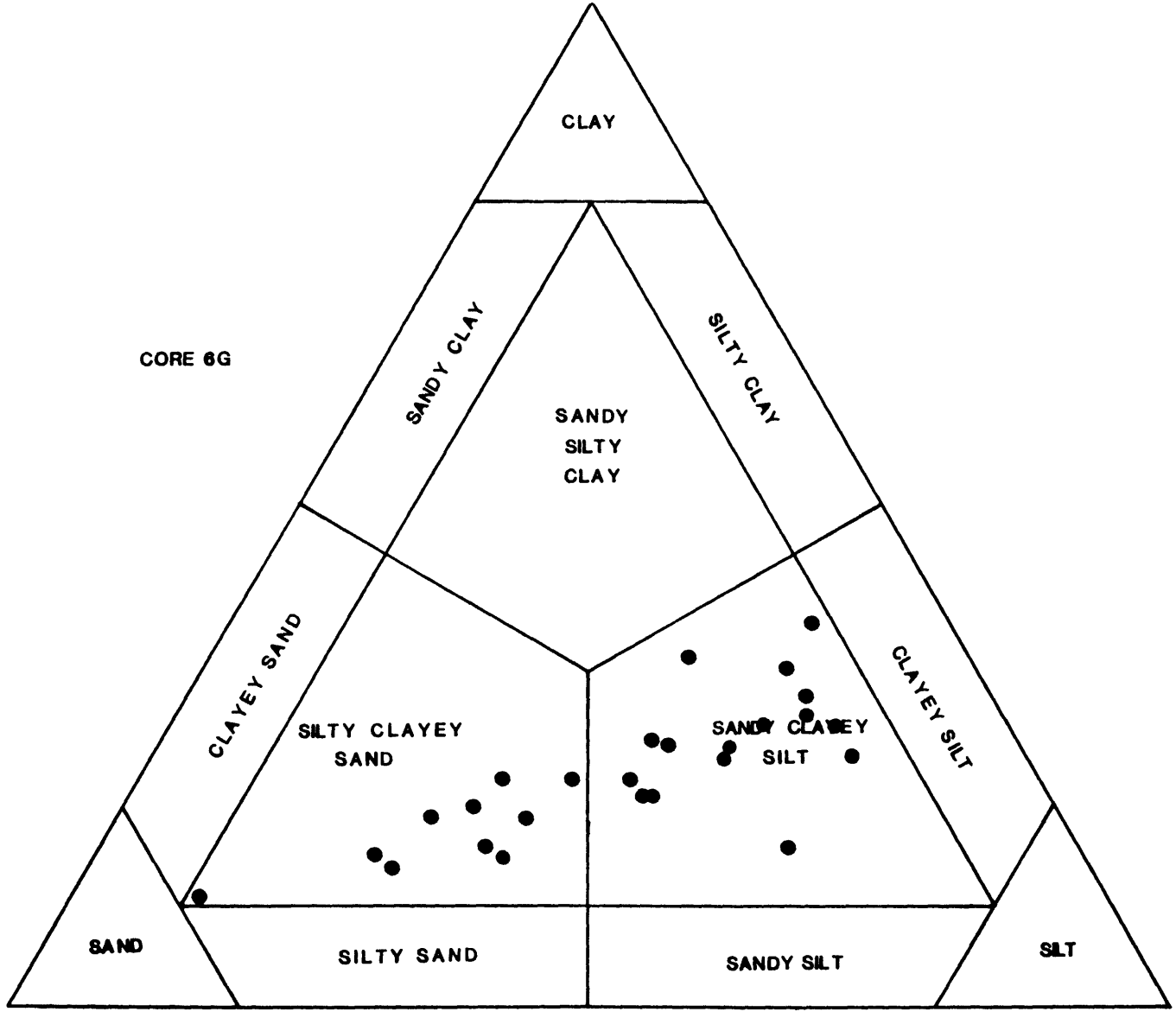


Figure 4 Continued. Grain size distribution (after Gorsline, 1960).

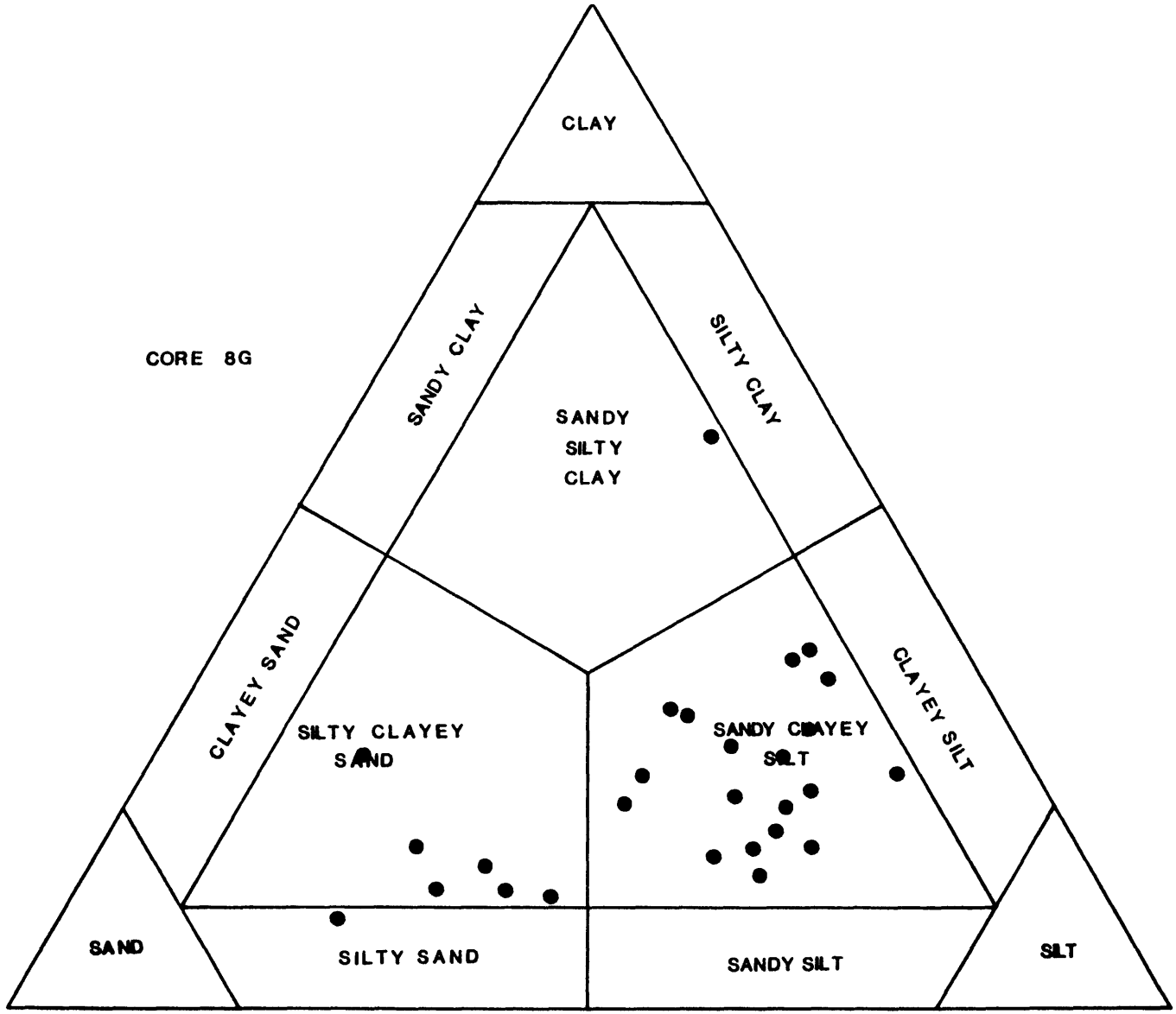


Figure 4 Continued. Grain size distribution (after Gorsline, 1960).

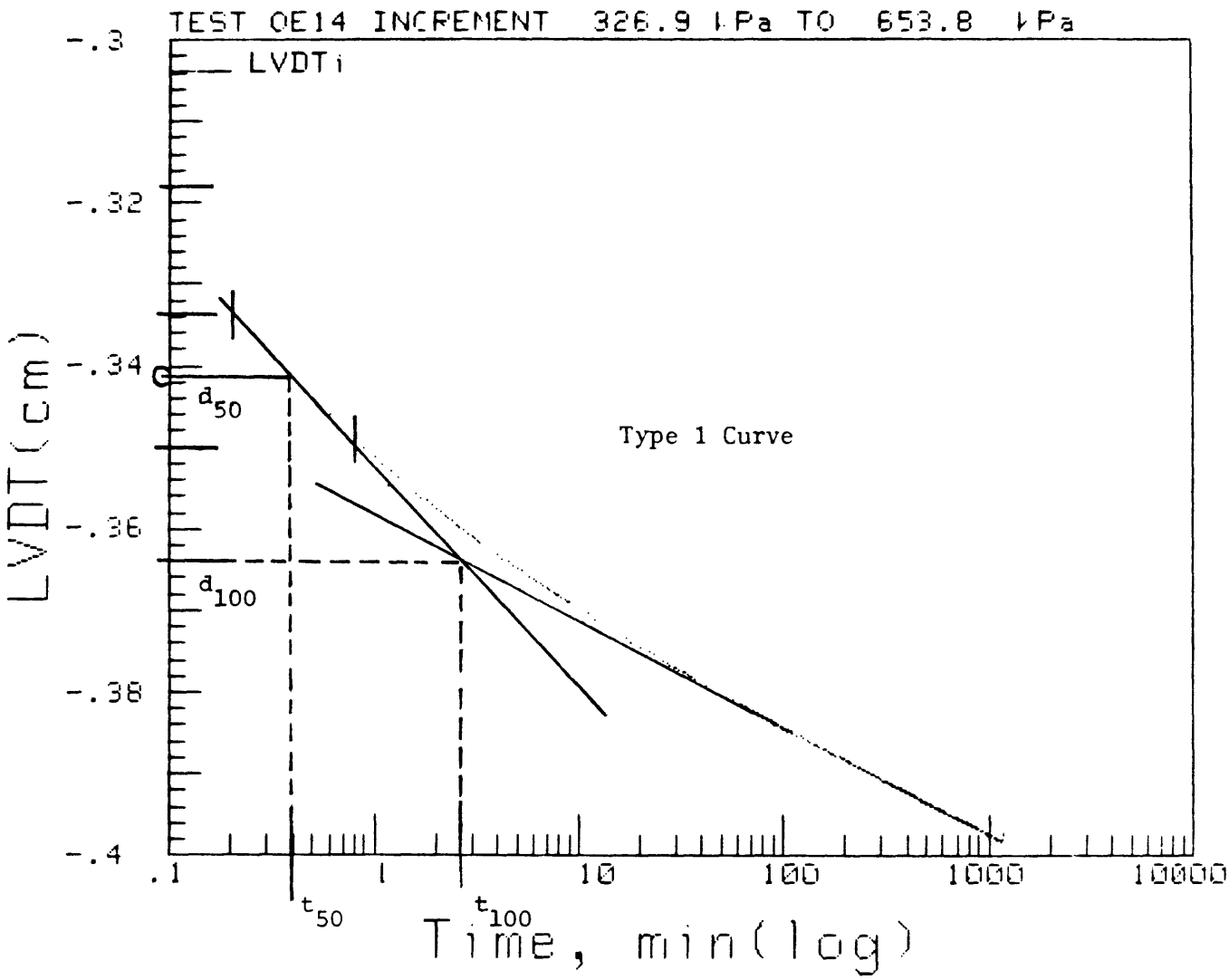
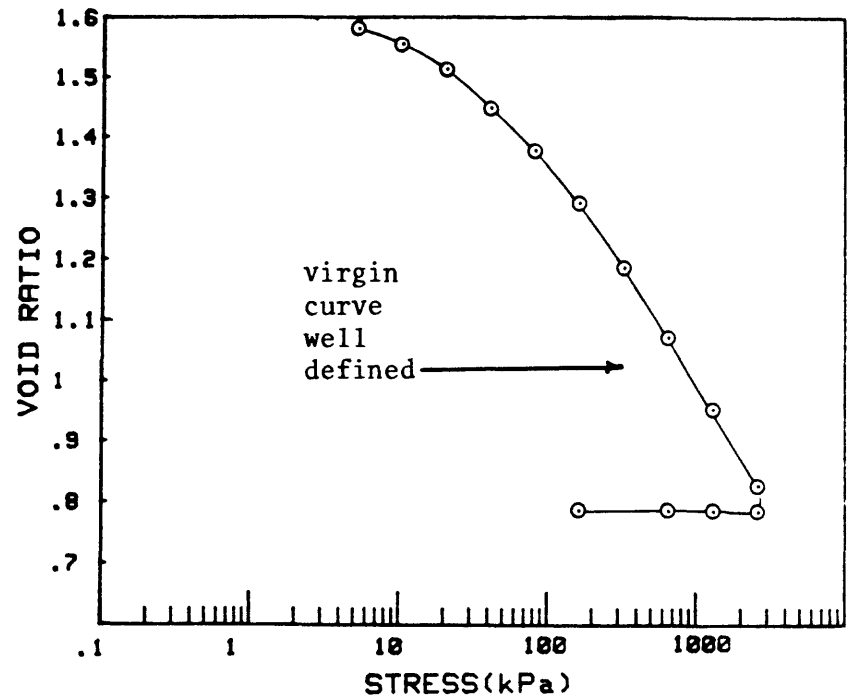
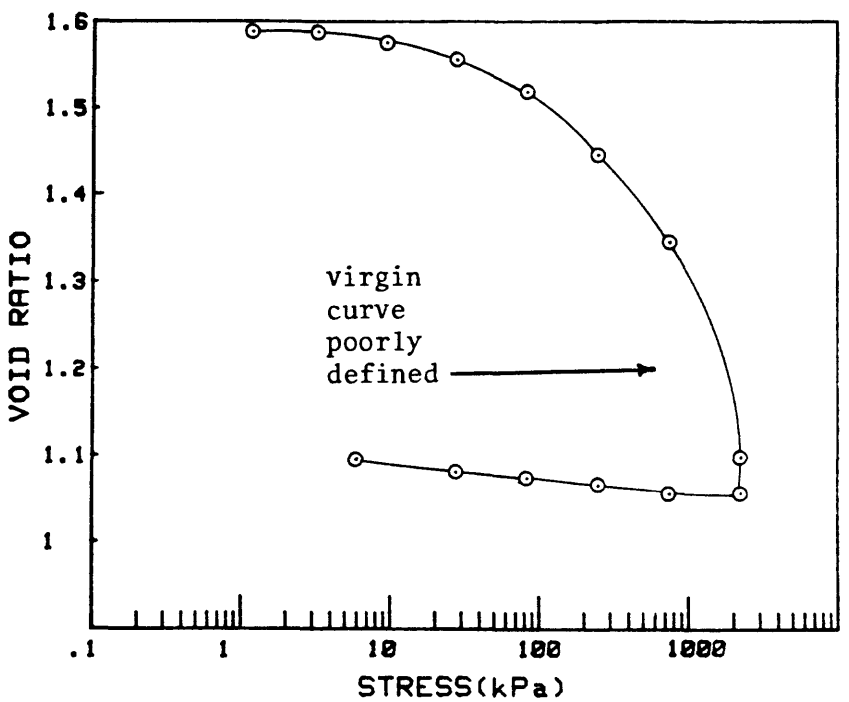


Figure 5. A representative type 1 deformation-log time curve.



CRUISE KK1-81-HW		INCREMENT (cm)	42-44
CORE NO.	1G	TEST NO.	OE20



CRUISE KK1-81-HW		INCREMENT (cm)	142-144
CORE NO.	8G	TEST NO.	OE24

Figure 6. Representative void ratio-log stress curves.

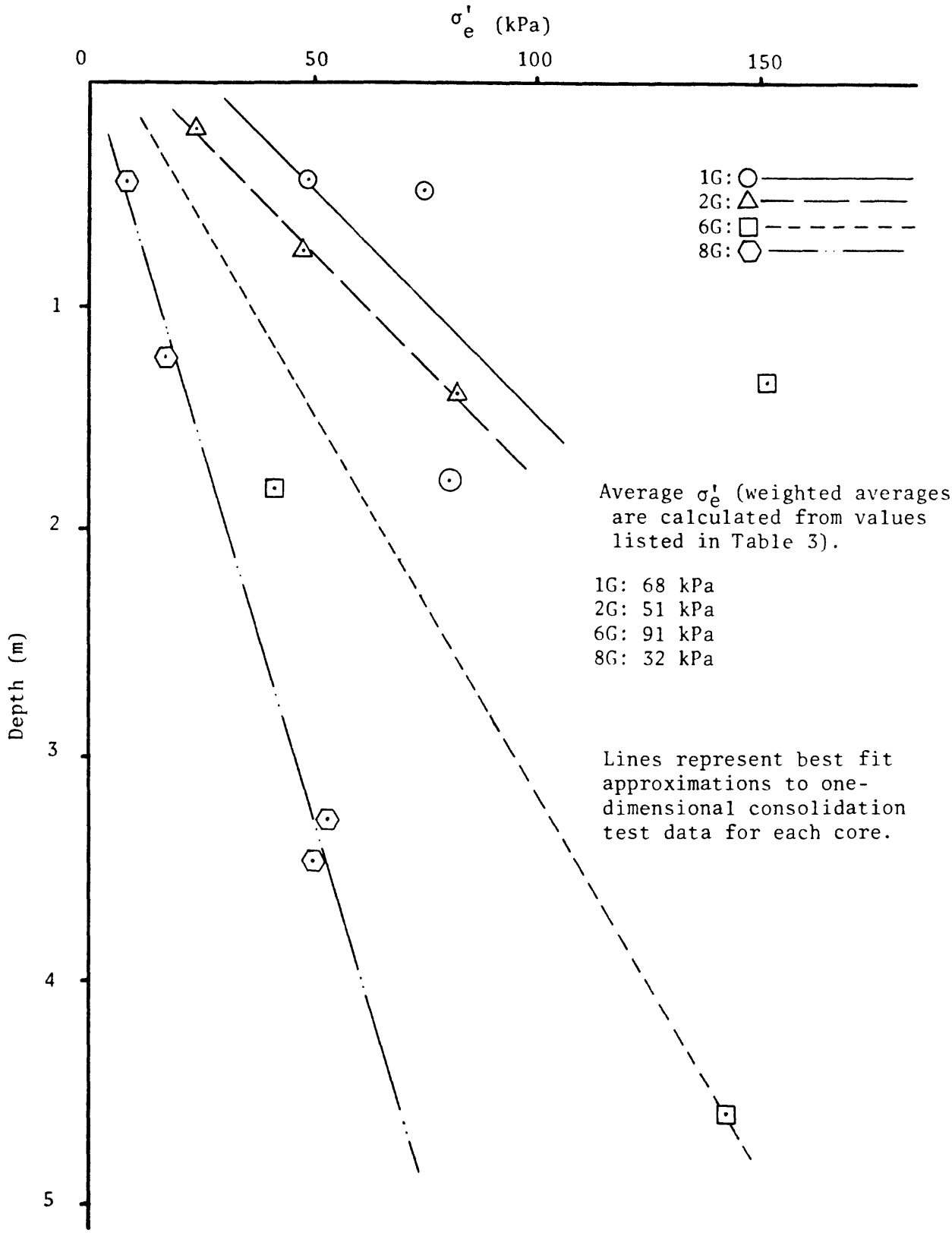
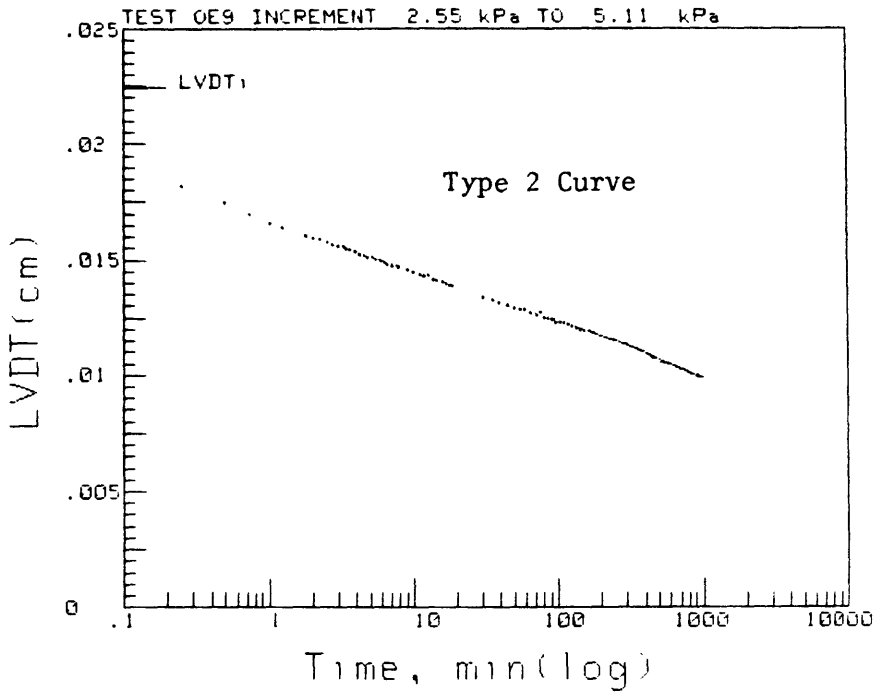


Figure 7. Excess maximum past stress versus depth.



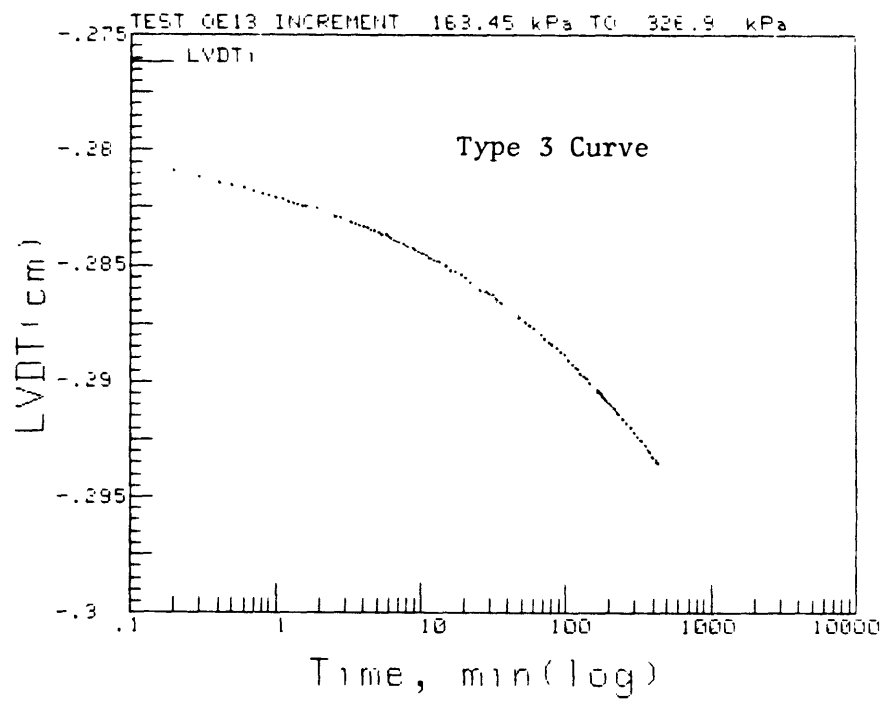


Figure 8. Representative type 2 and type 3 deformation-log time curves.

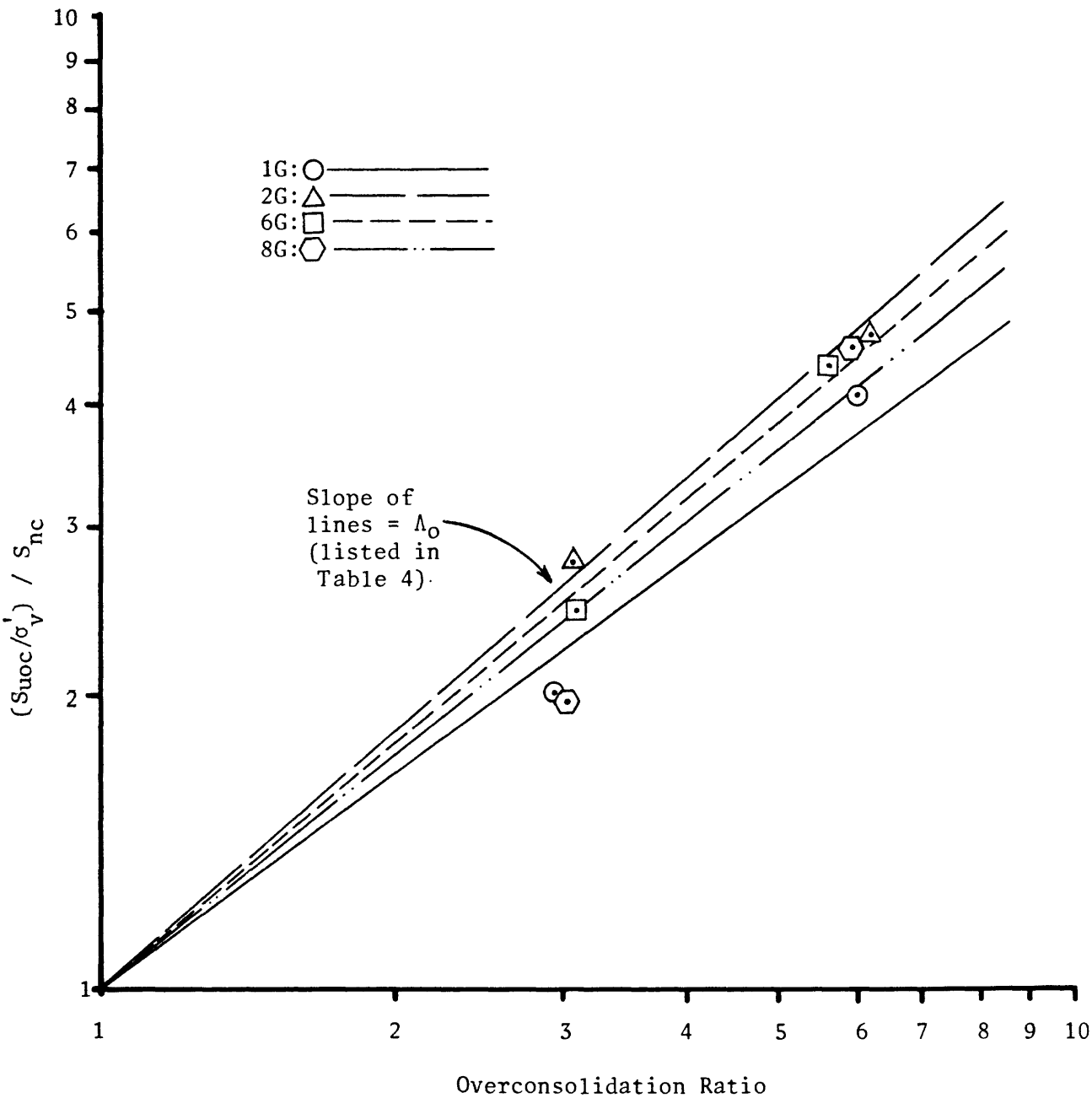


Figure 9. Normalized strength vs. OCR.

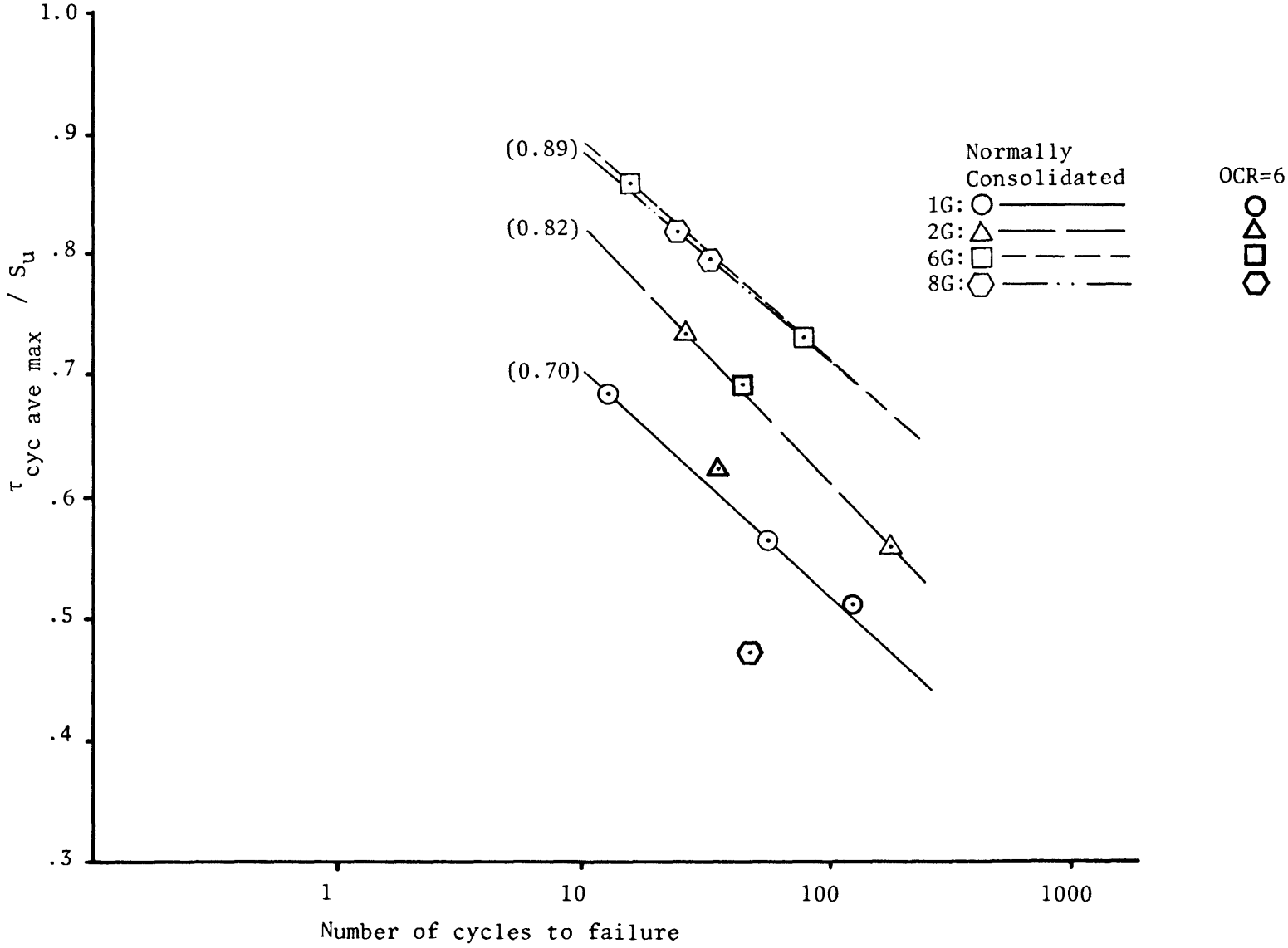


Figure 10. Cyclic stress level vs. number of cycles to failure for cyclic triaxial tests (numbers in parentheses represent cyclic stress level for failure in 10 cycles of normally consolidated sediment).

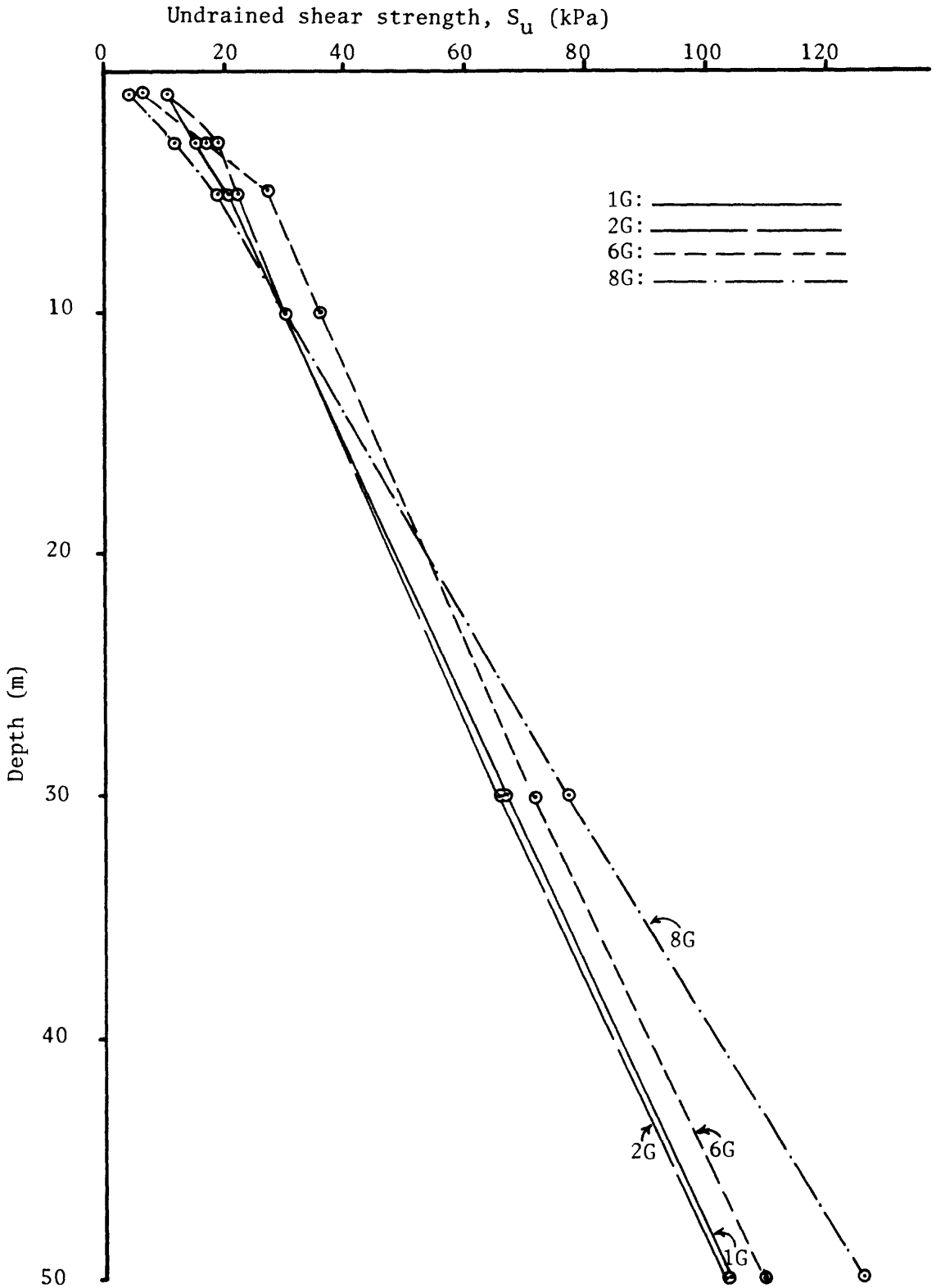
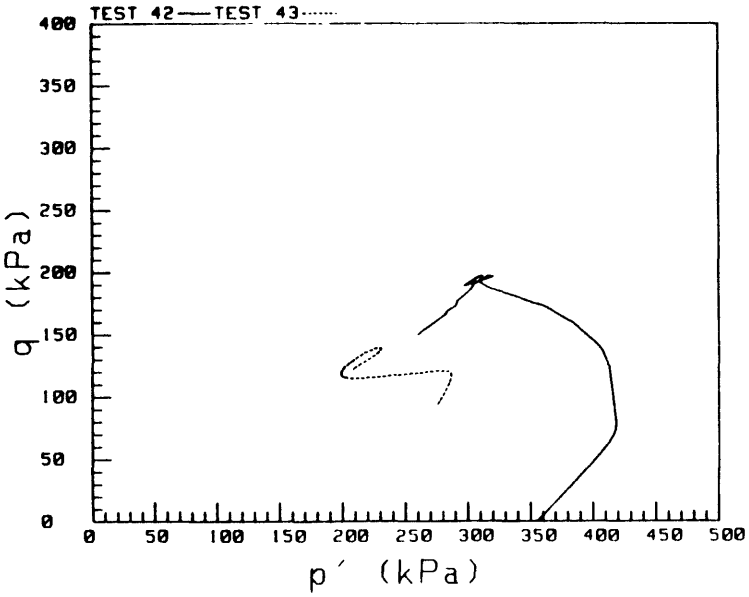
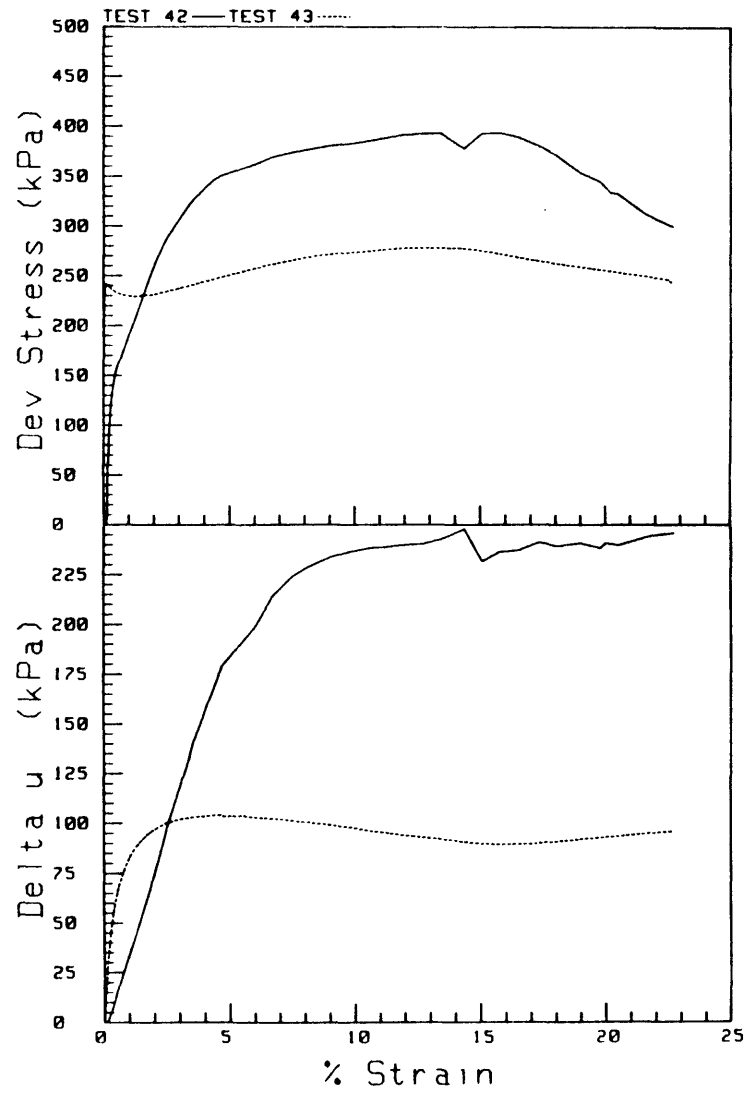


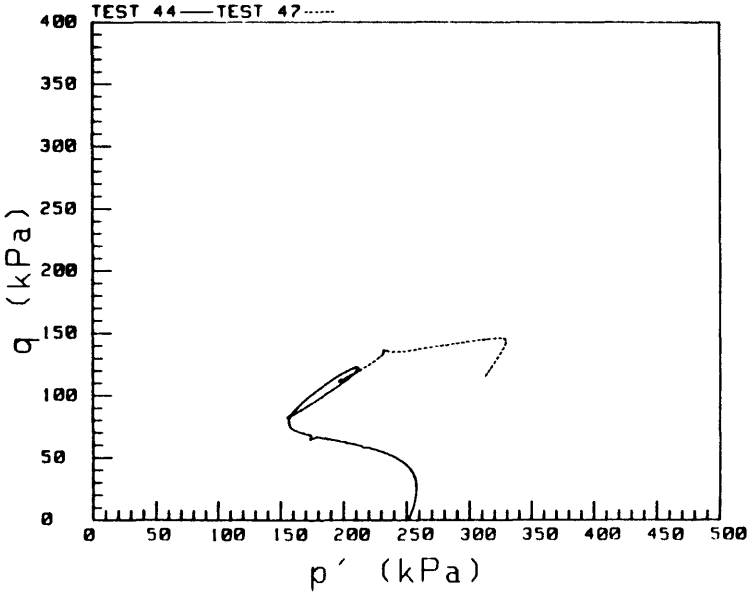
Figure 11. Estimated cyclic undrained shear strength vs. depth (corrected to in situ conditions).

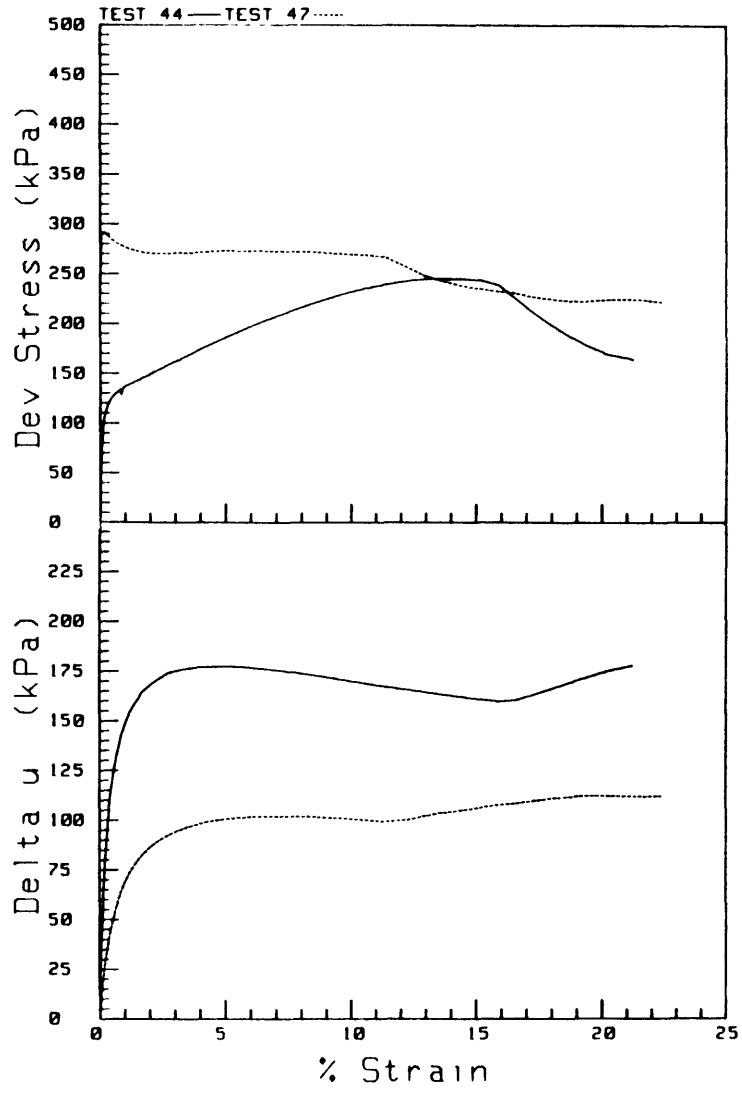




CORE 1G: NORMALLY CONSOLIDATED

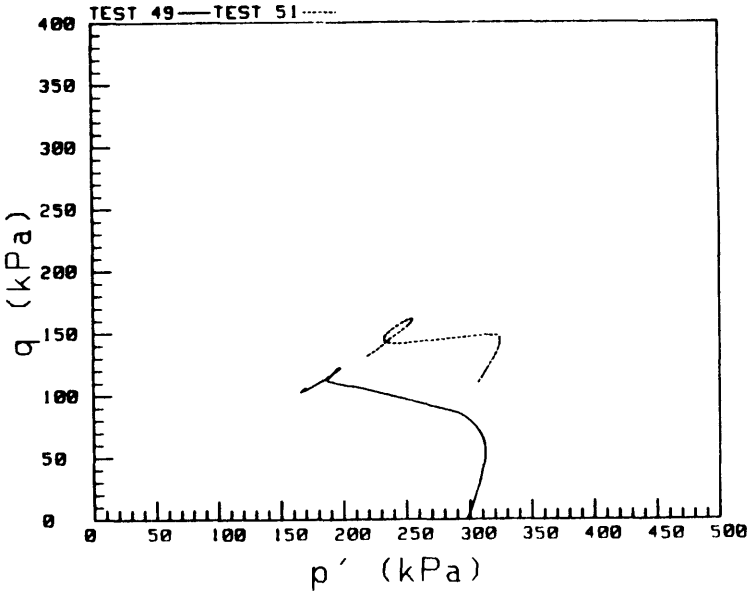
Figure 12. Normally consolidated statically sheared triaxial test plots.

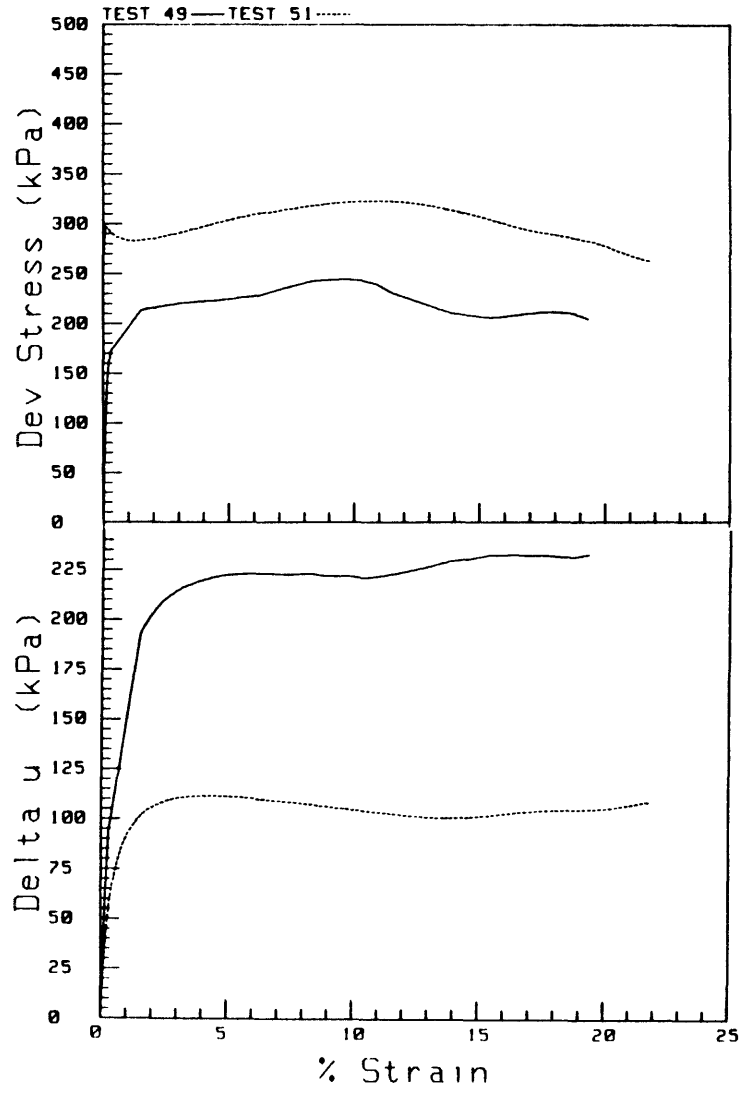




CORE 2G: NORMALLY CONSOLIDATED

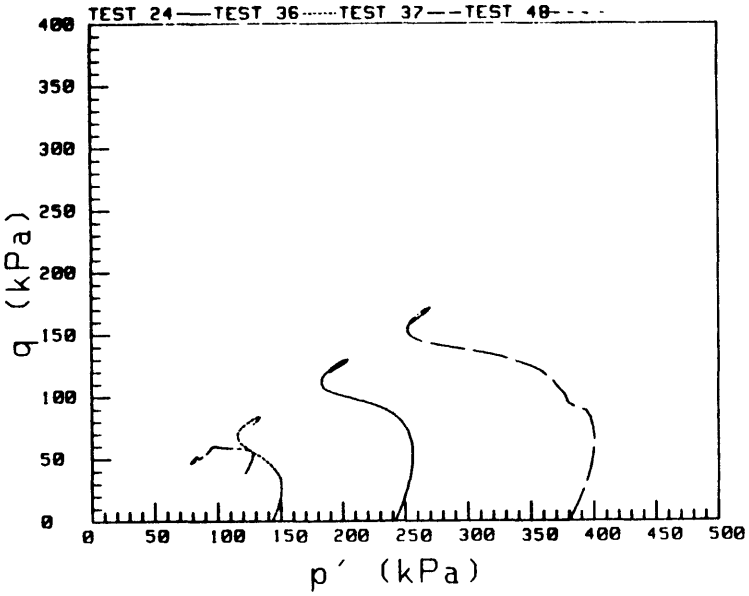
Figure 12 Continued. Normally consolidated statically sheared triaxial test plots.

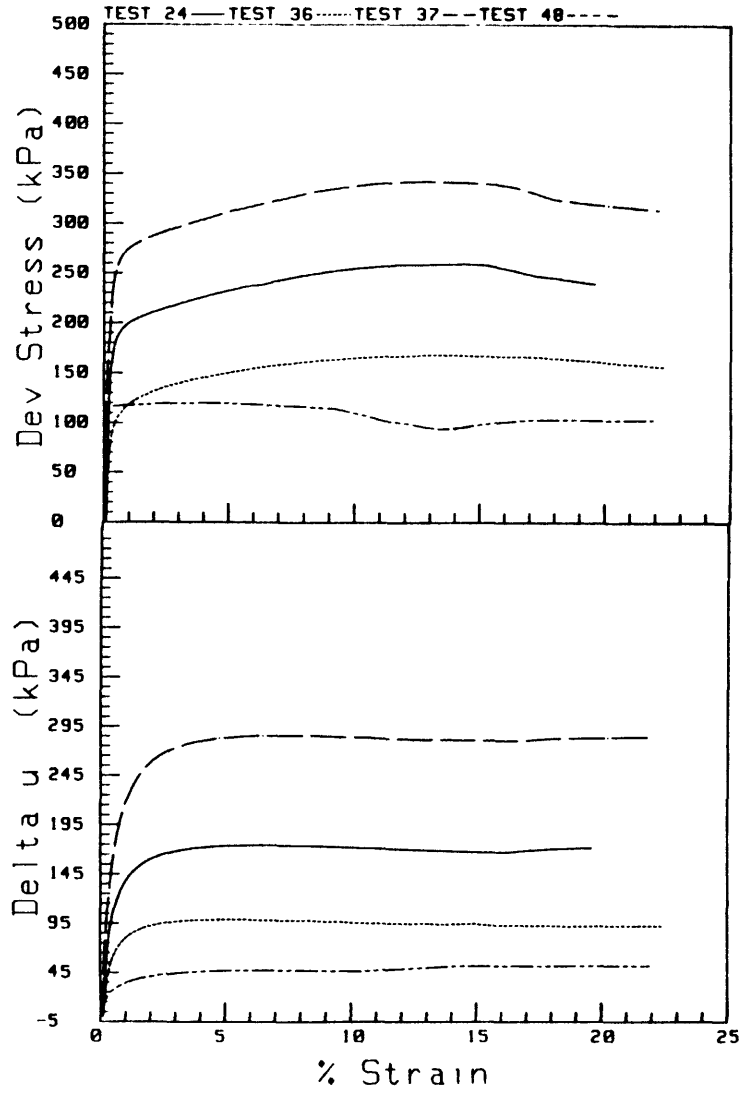




CORE 6G: NORMALLY CONSOLIDATED

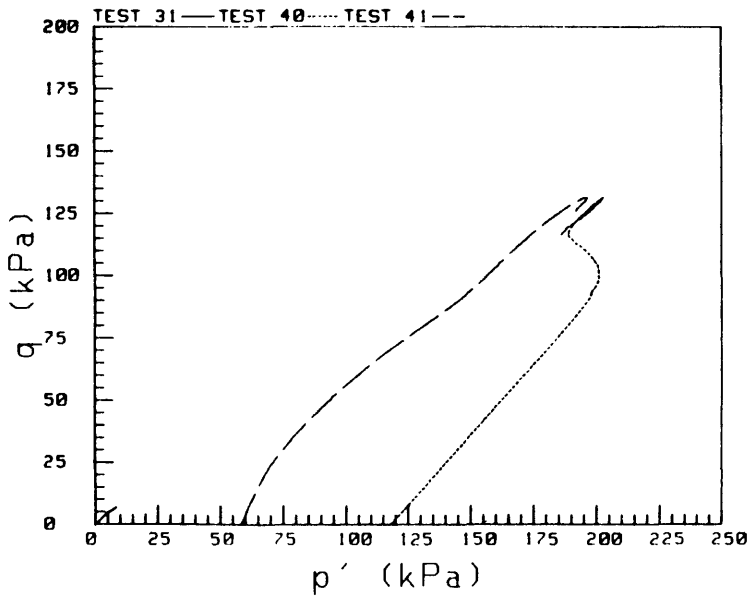
Figure 12 Continued. Normally consolidated statically sheared triaxial test plots.

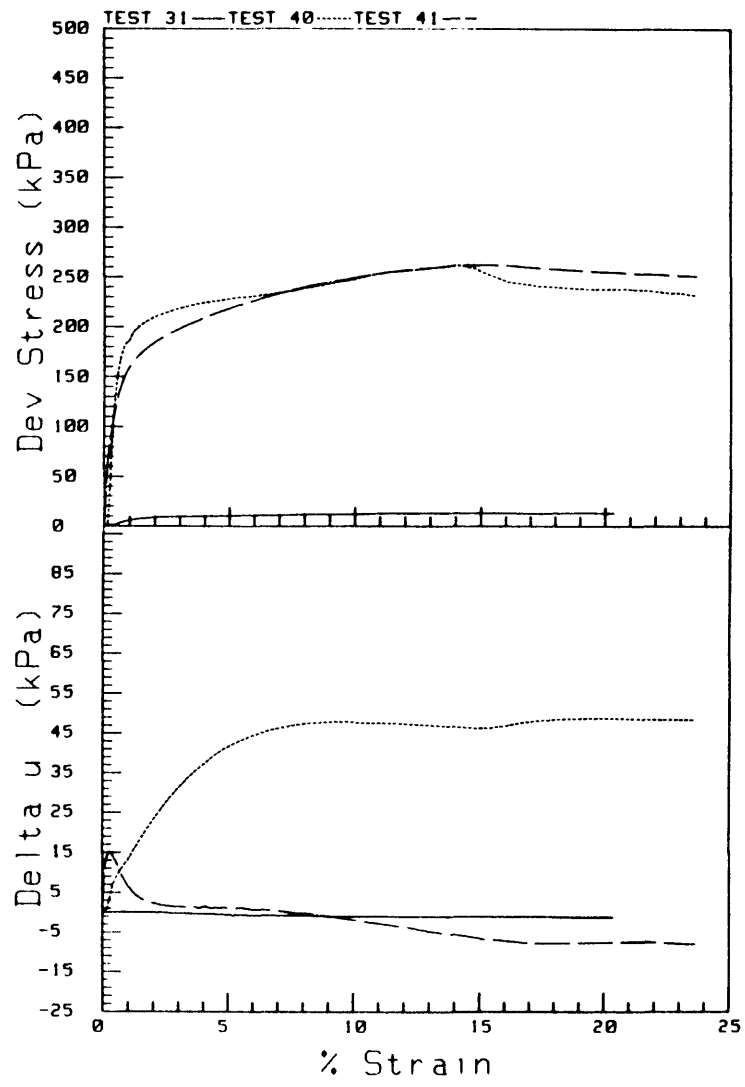




CORE 8G: NORMALLY CONSOLIDATED

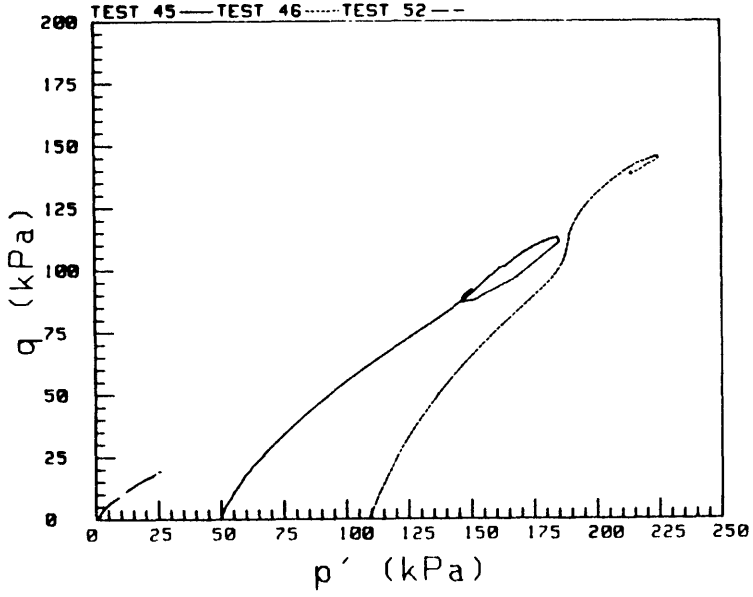
Figure 12 Continued. Normally consolidated statically sheared triaxial test plots.

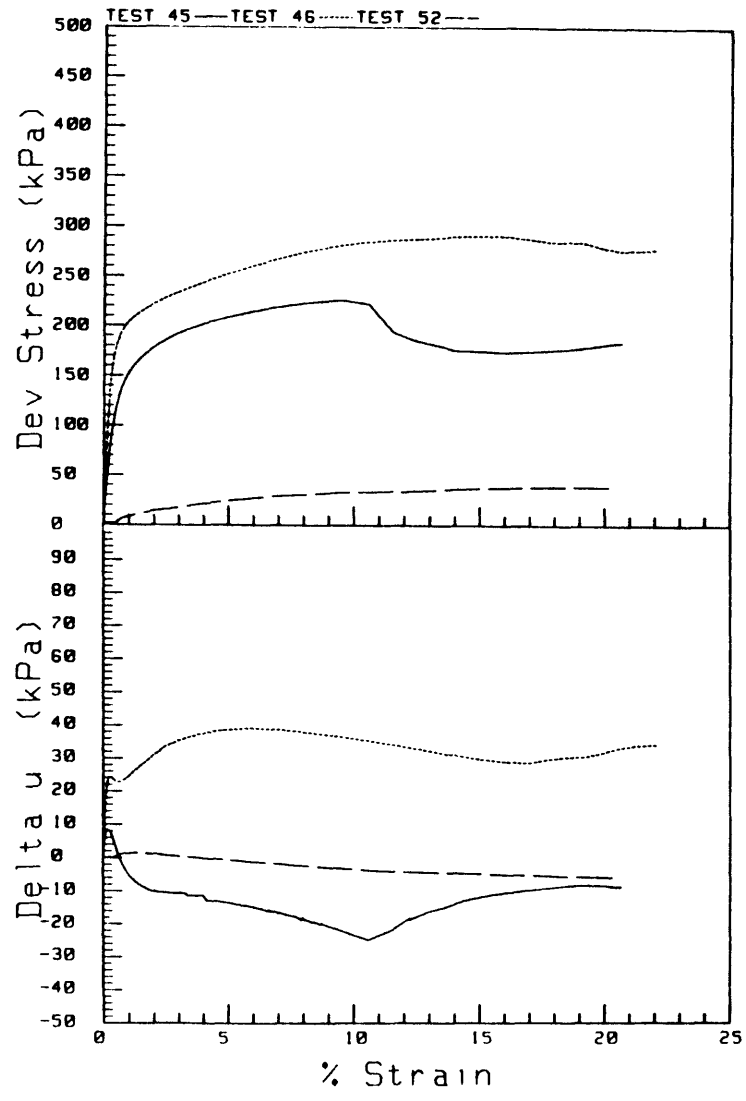




CORE 1G: OVERCONSOLIDATED

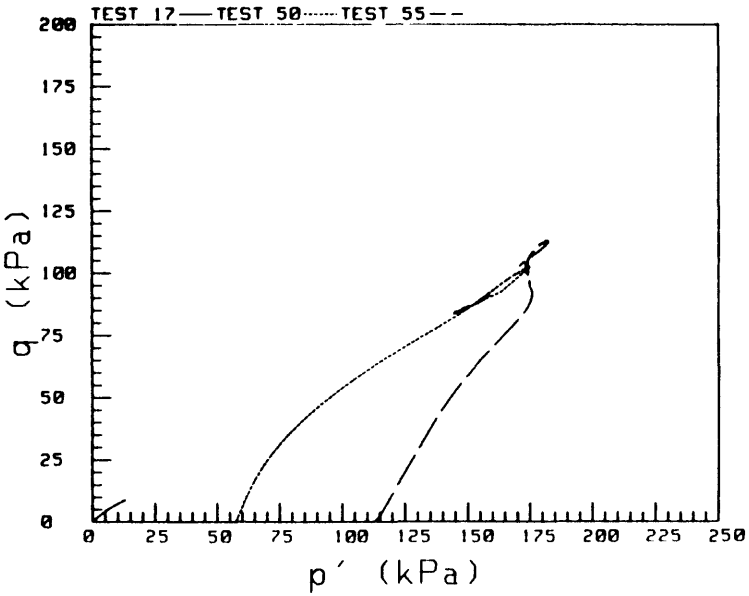
Figure 13. Overconsolidated statically sheared triaxial test plots.

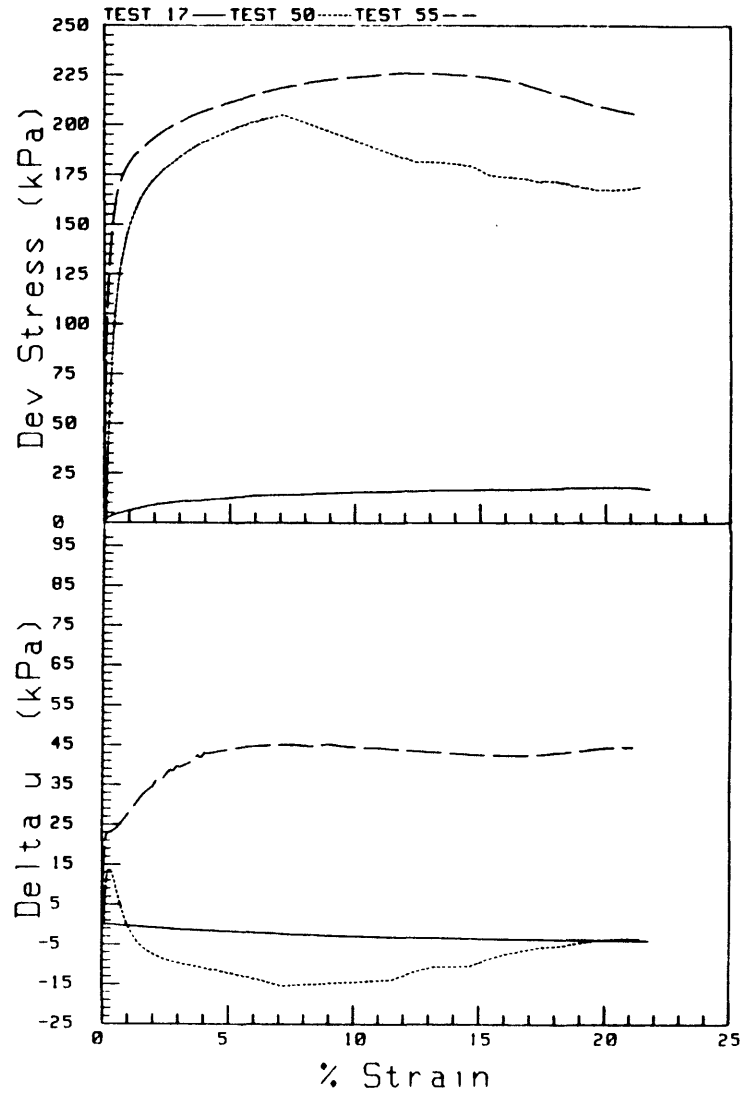




CORE 2G:OVERCONSOLIDATED

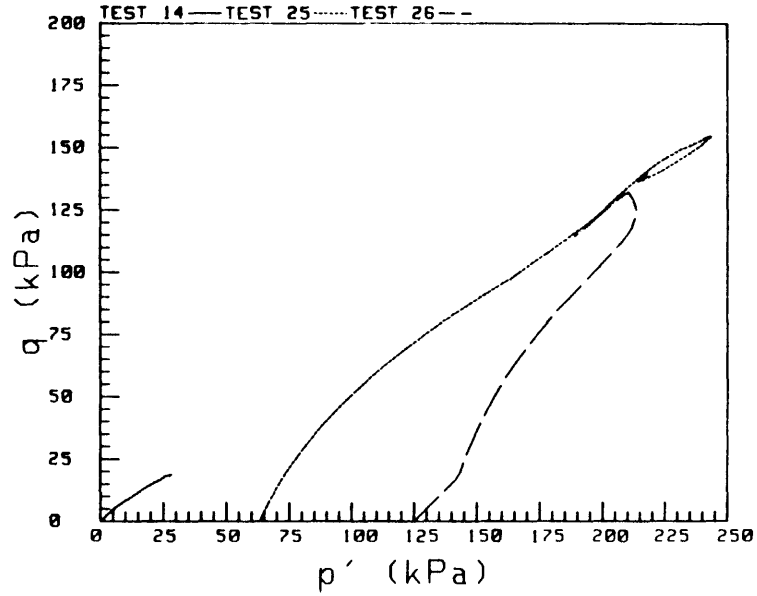
Figure 13 Continued. Overconsolidated statically sheared triaxial test plots.

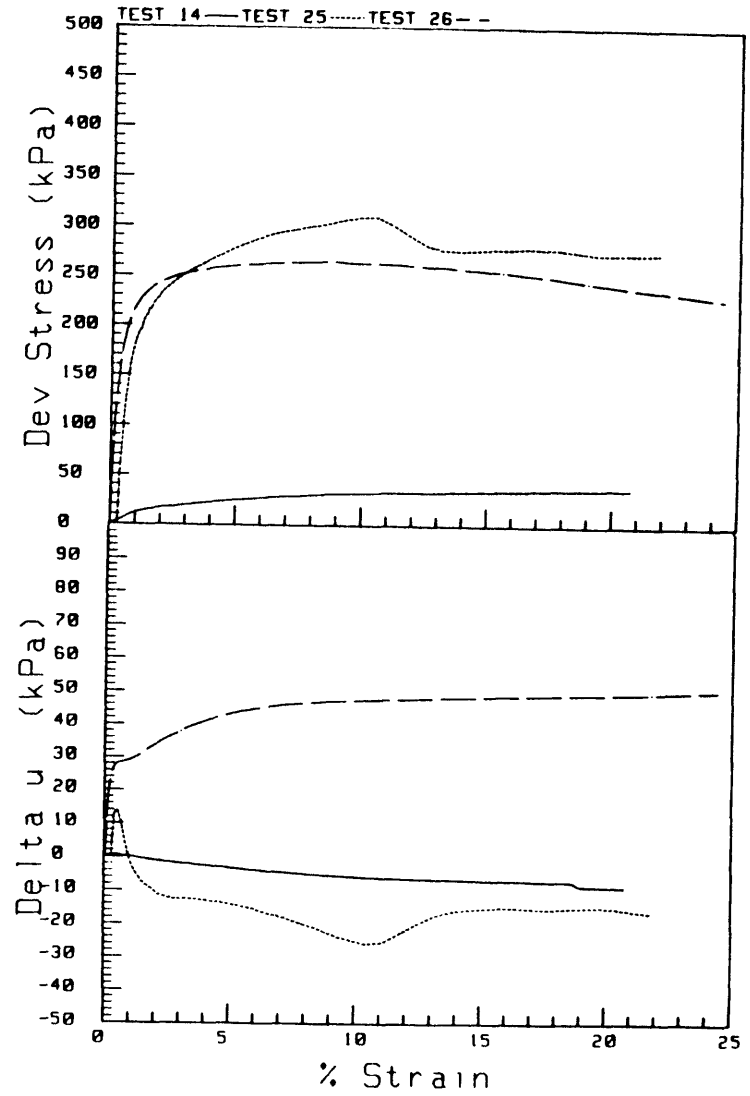




CORE 6G: OVERCONSOLIDATED

Figure 13 Continued. Overconsolidated statically sheared triaxial test plots.



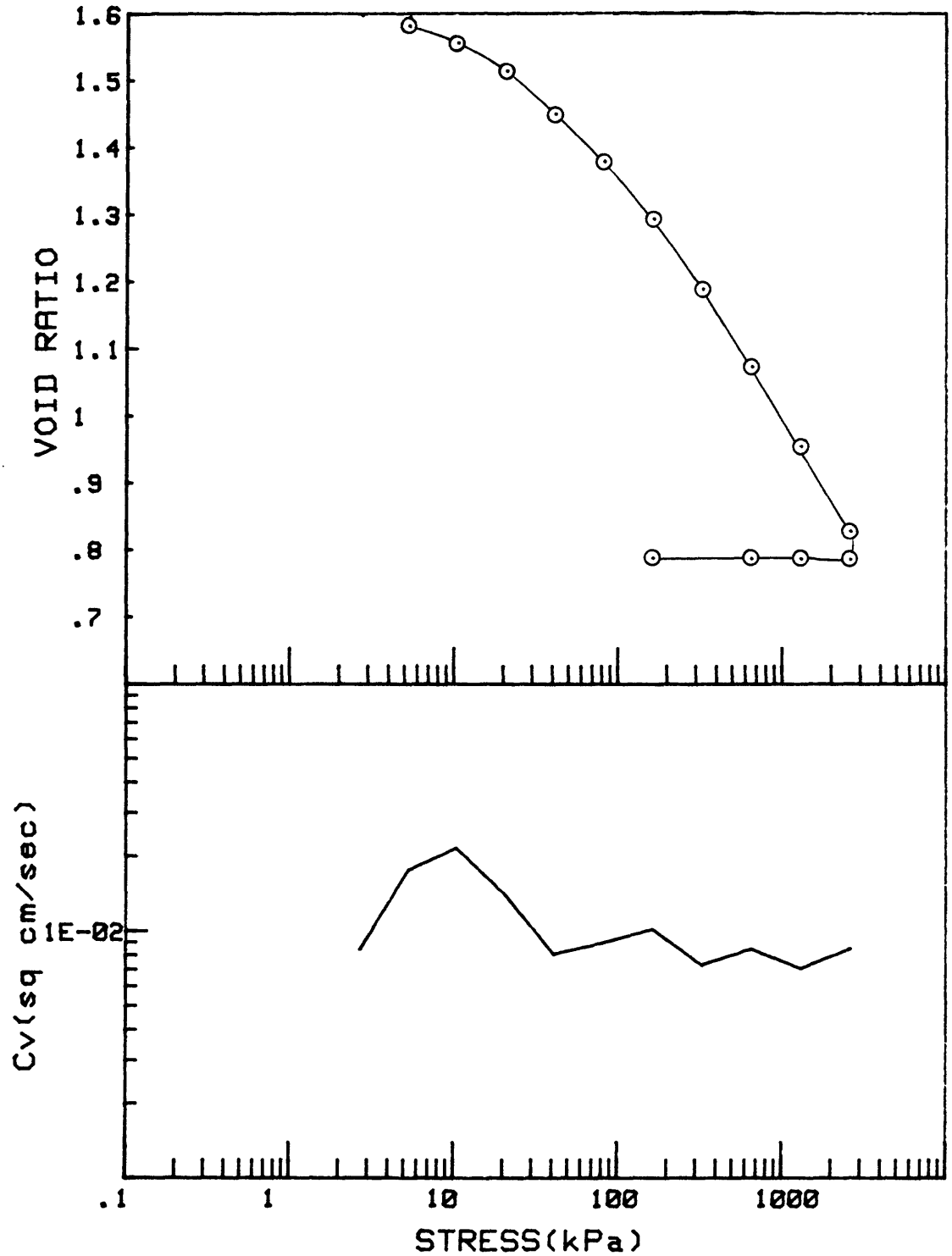


CORE 8G: OVERCONSOLIDATED

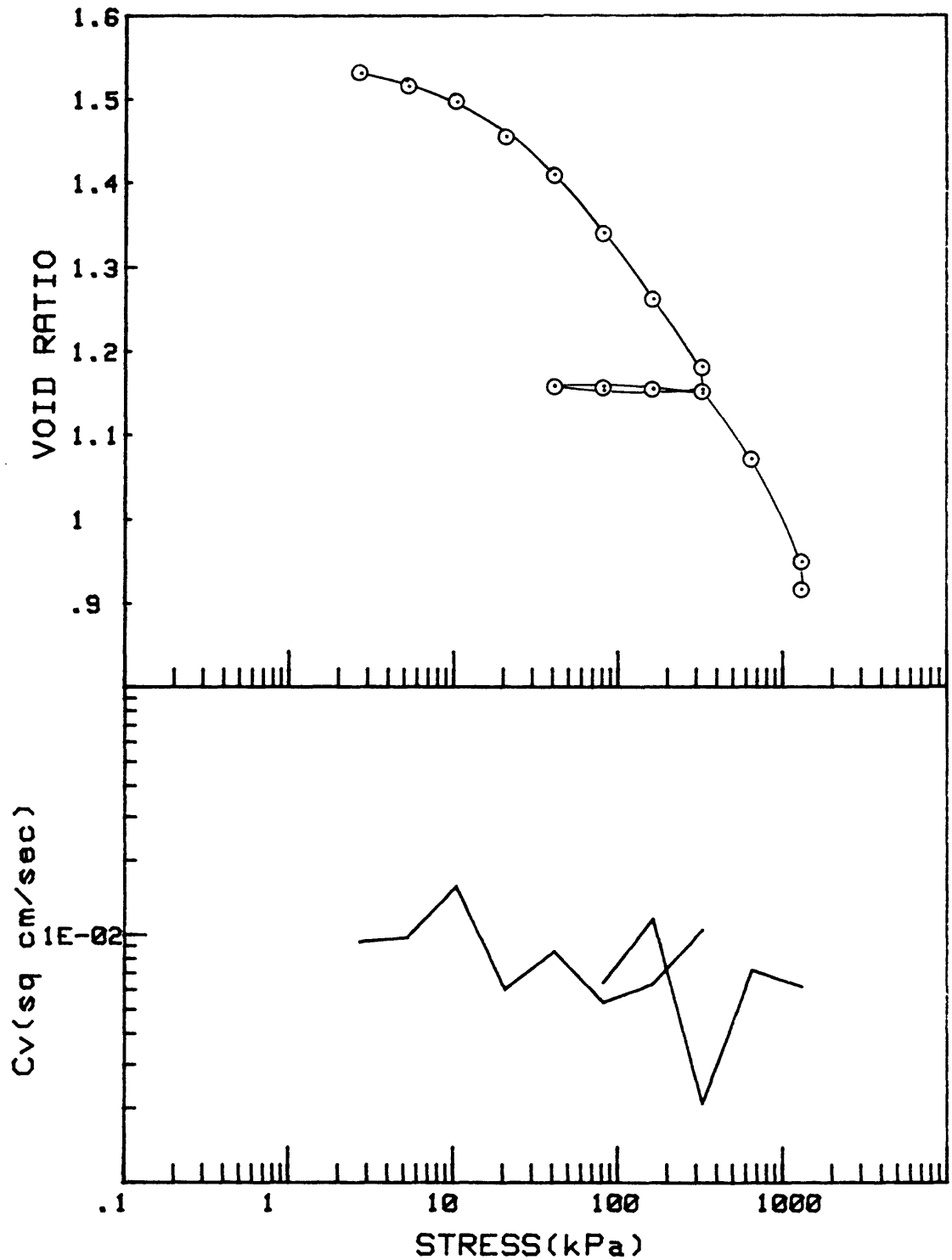
Figure 13 Continued. Overconsolidated statically sheared triaxial test plots.

APPENDIX A

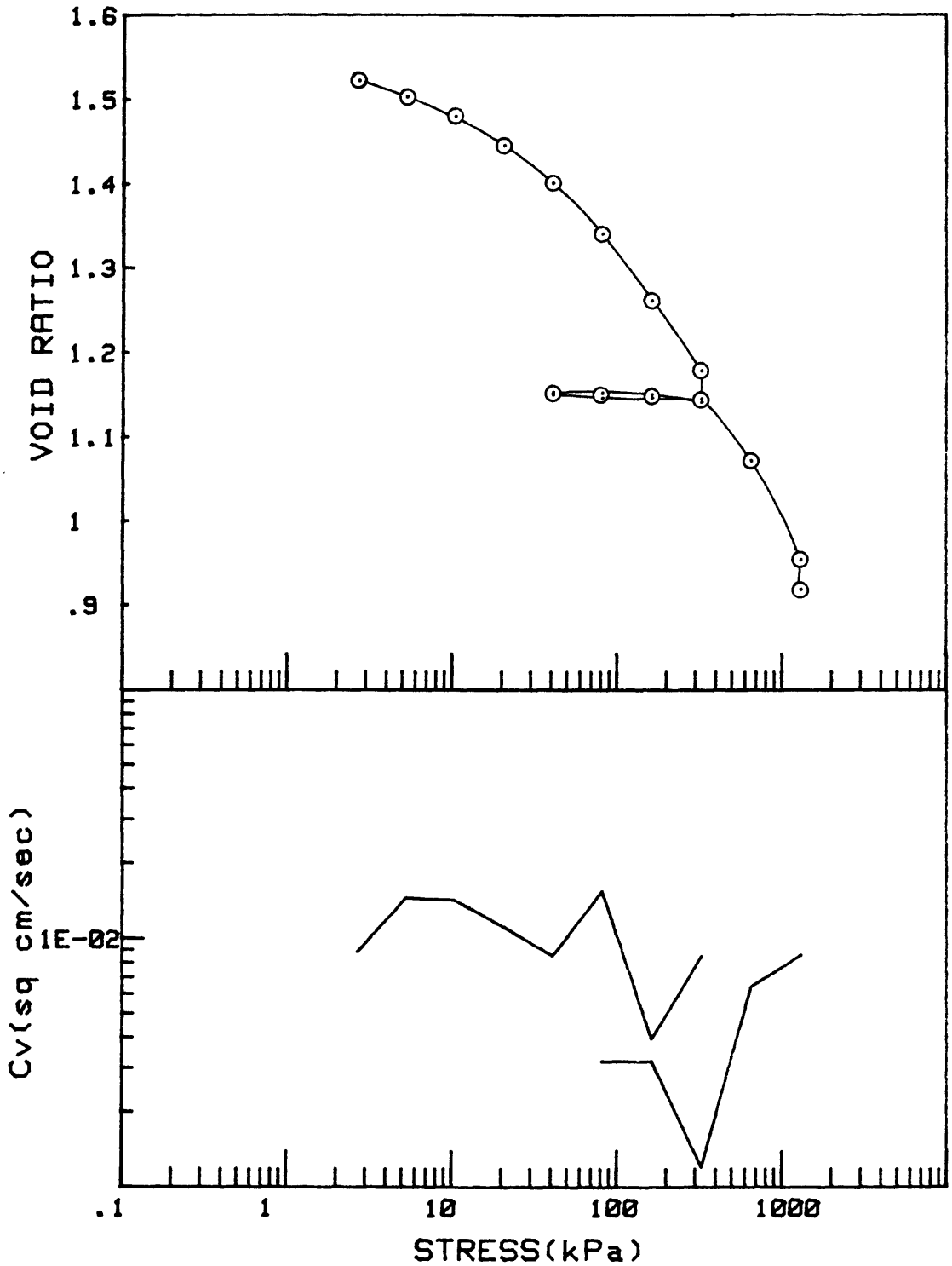
Consolidation Test Plots



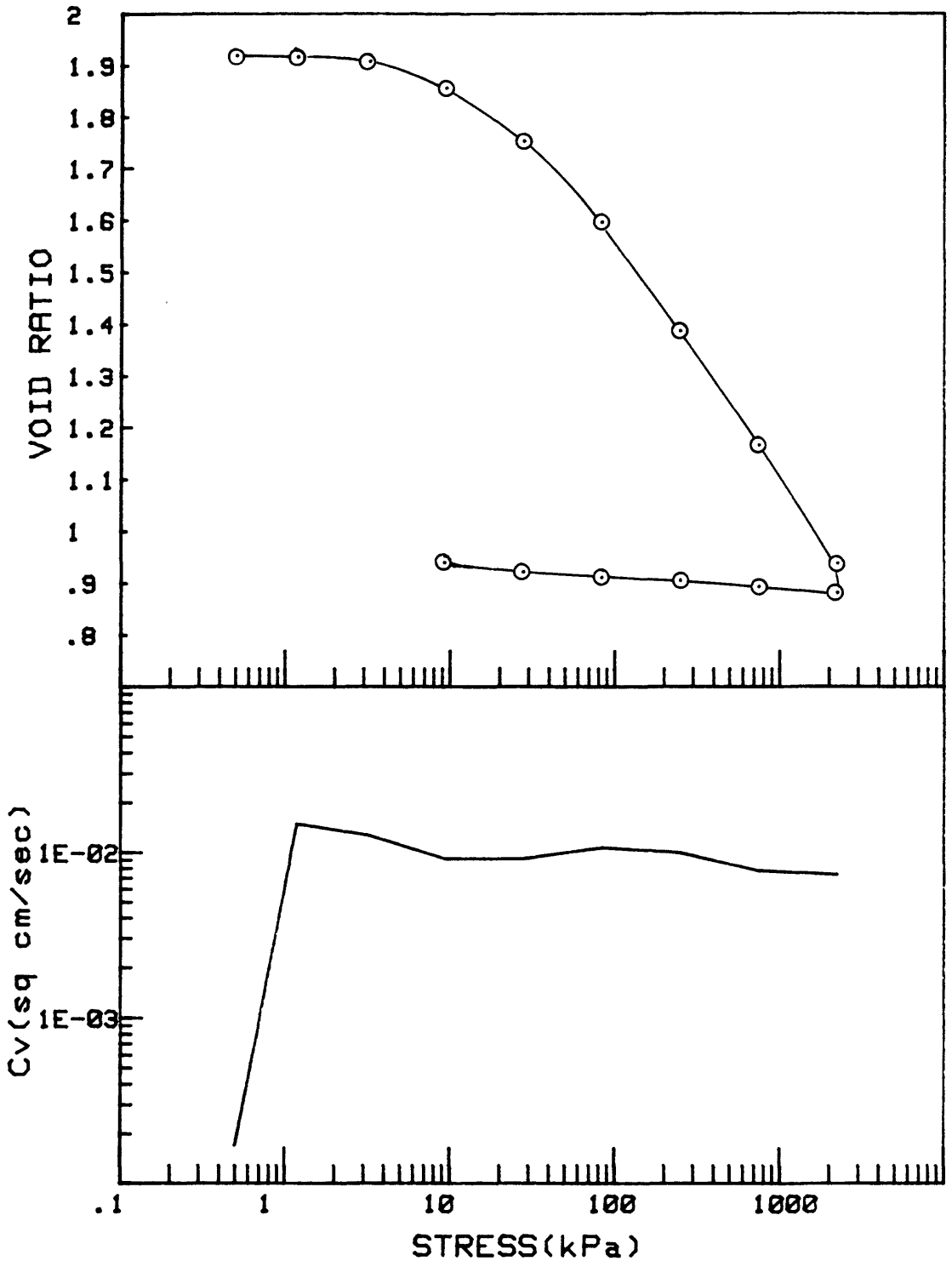
CRUISE KK1-81-HW	INCREMENT (cm) 42-44
CORE NO. 1G	TEST NO. 0E20



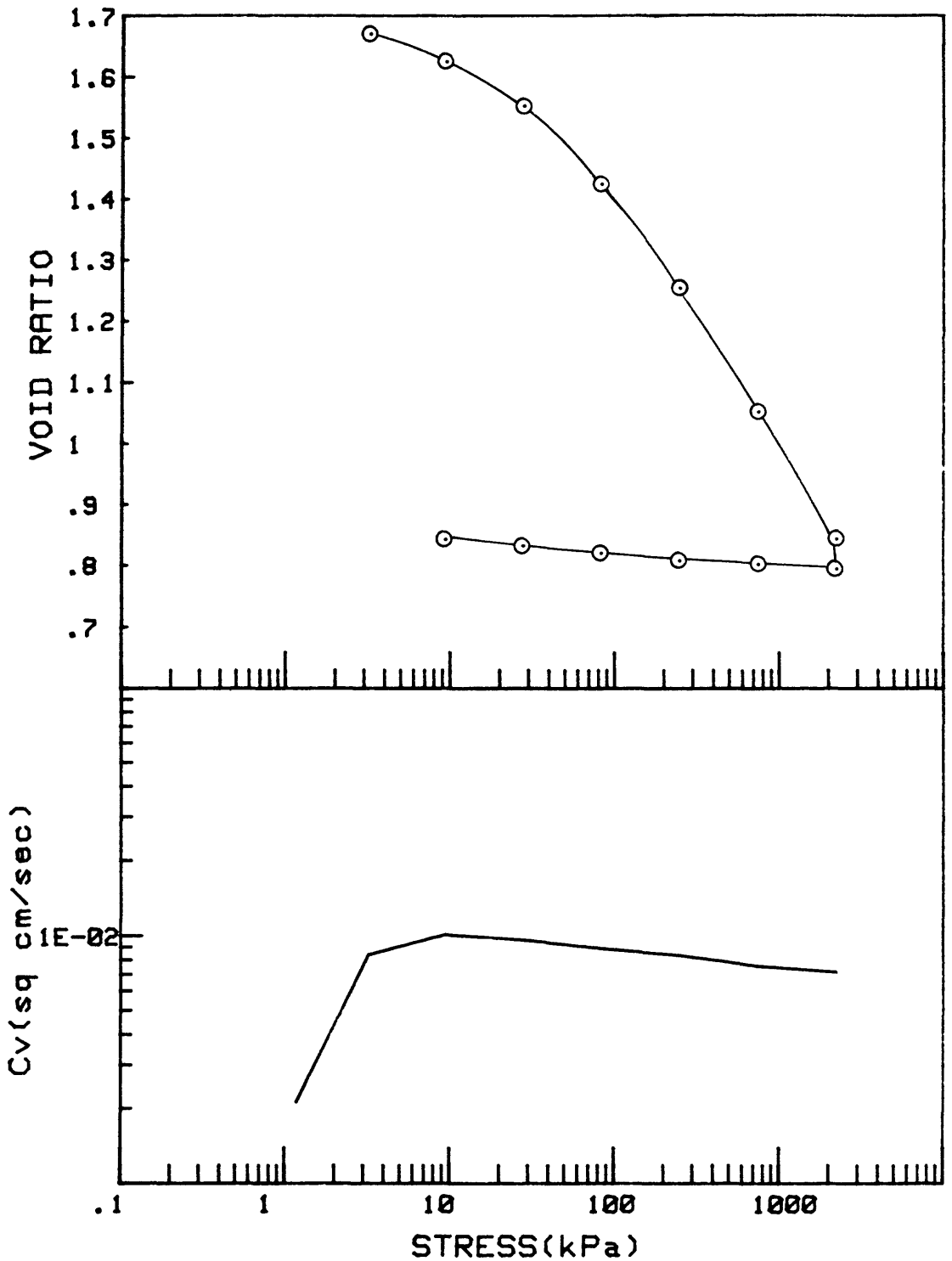
CRUISE KK1-81-HW		INCREMENT (cm)	47-49
CORE NO.	1G	TEST NO.	OE13



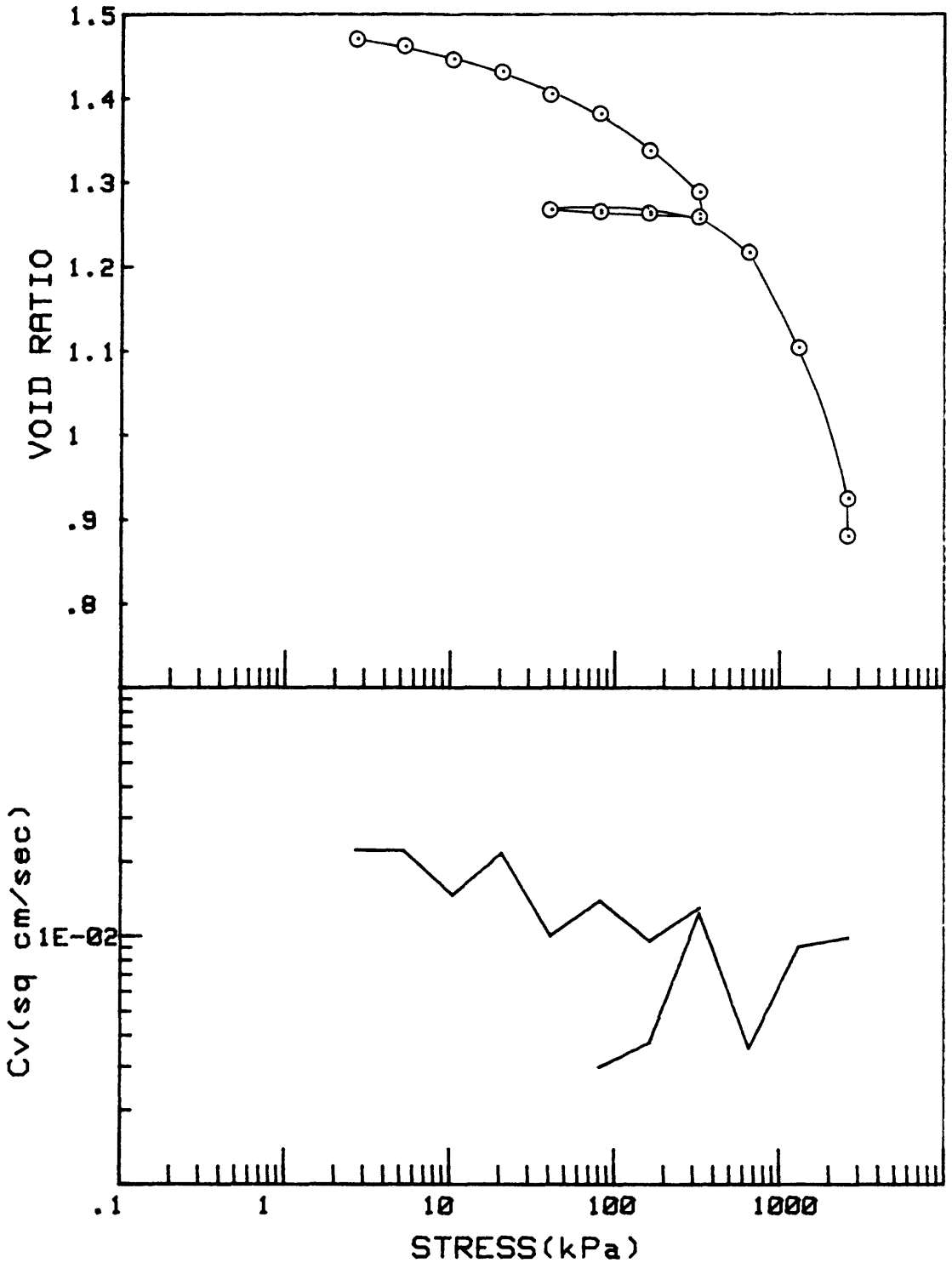
CRUISE KK1-81-HW	INCREMENT (cm) 175-177
CORE NO. 1G	TEST NO. 0E10



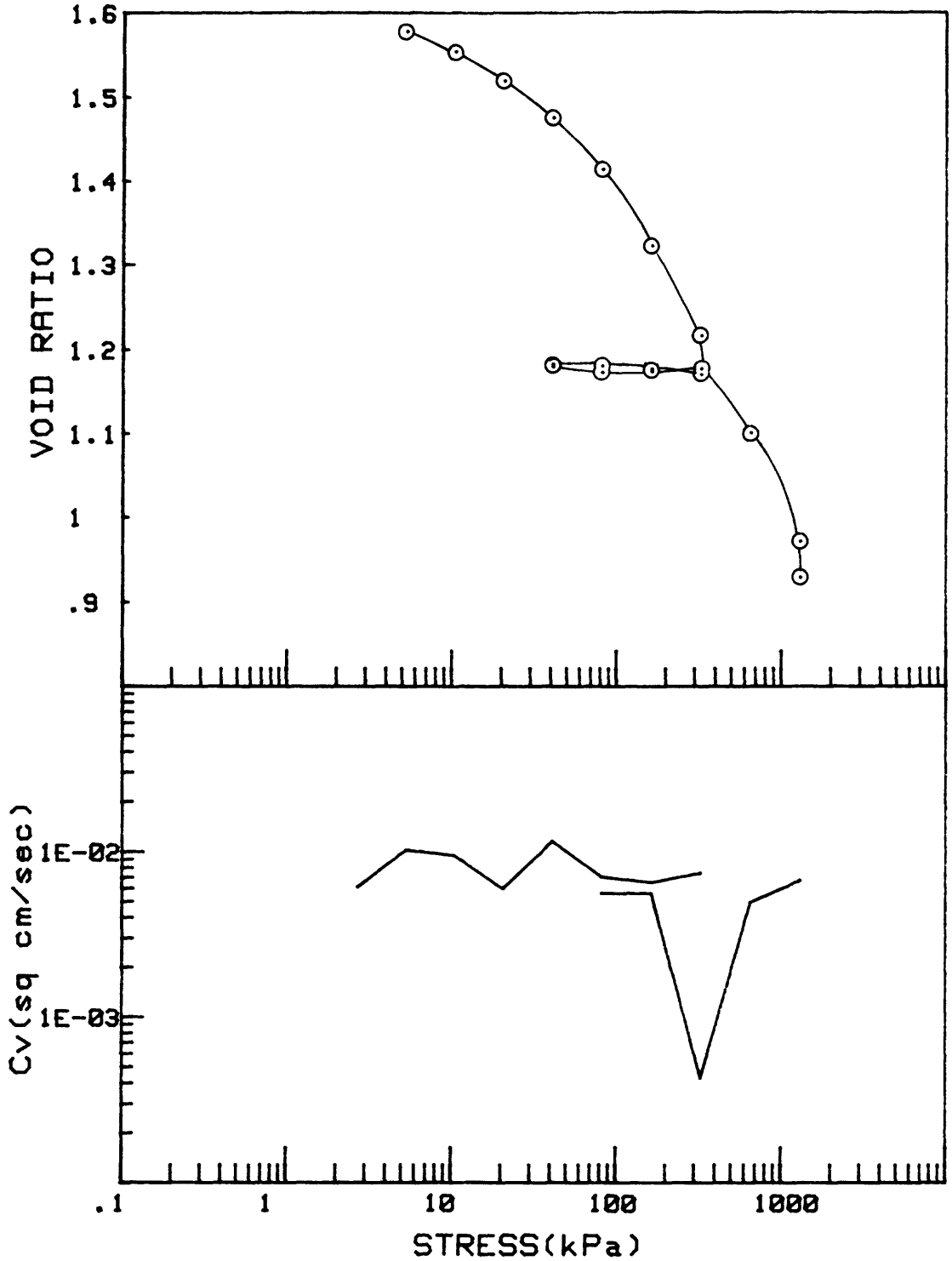
CRUISE KK1-81-HW		INCREMENT (cm)	19-21
CORE NO.	2G	TEST NO.	OE22



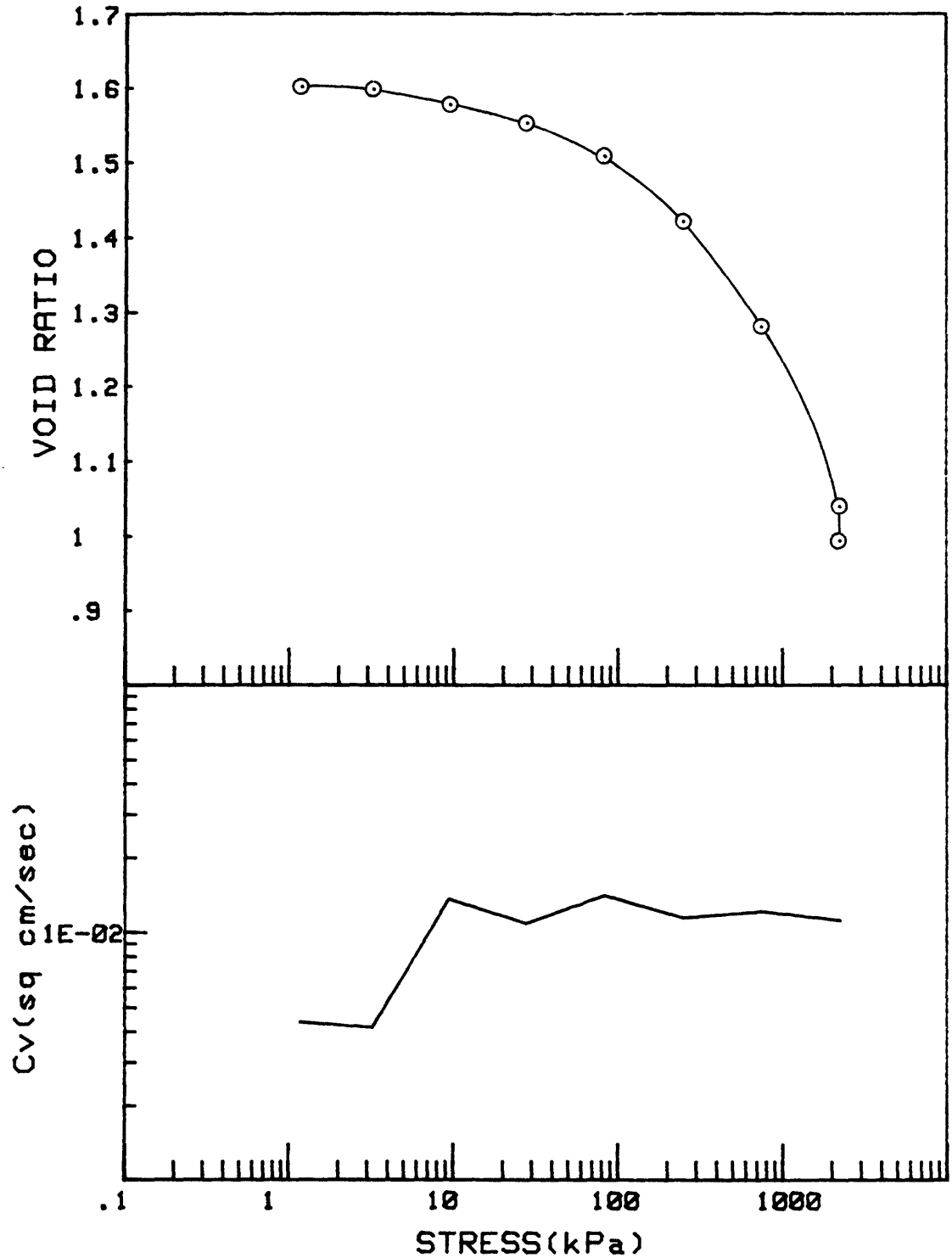
CRUISE KK1-81-HW		INCREMENT (cm)	74-76
CORE NO.	2G	TEST NO.	0E25



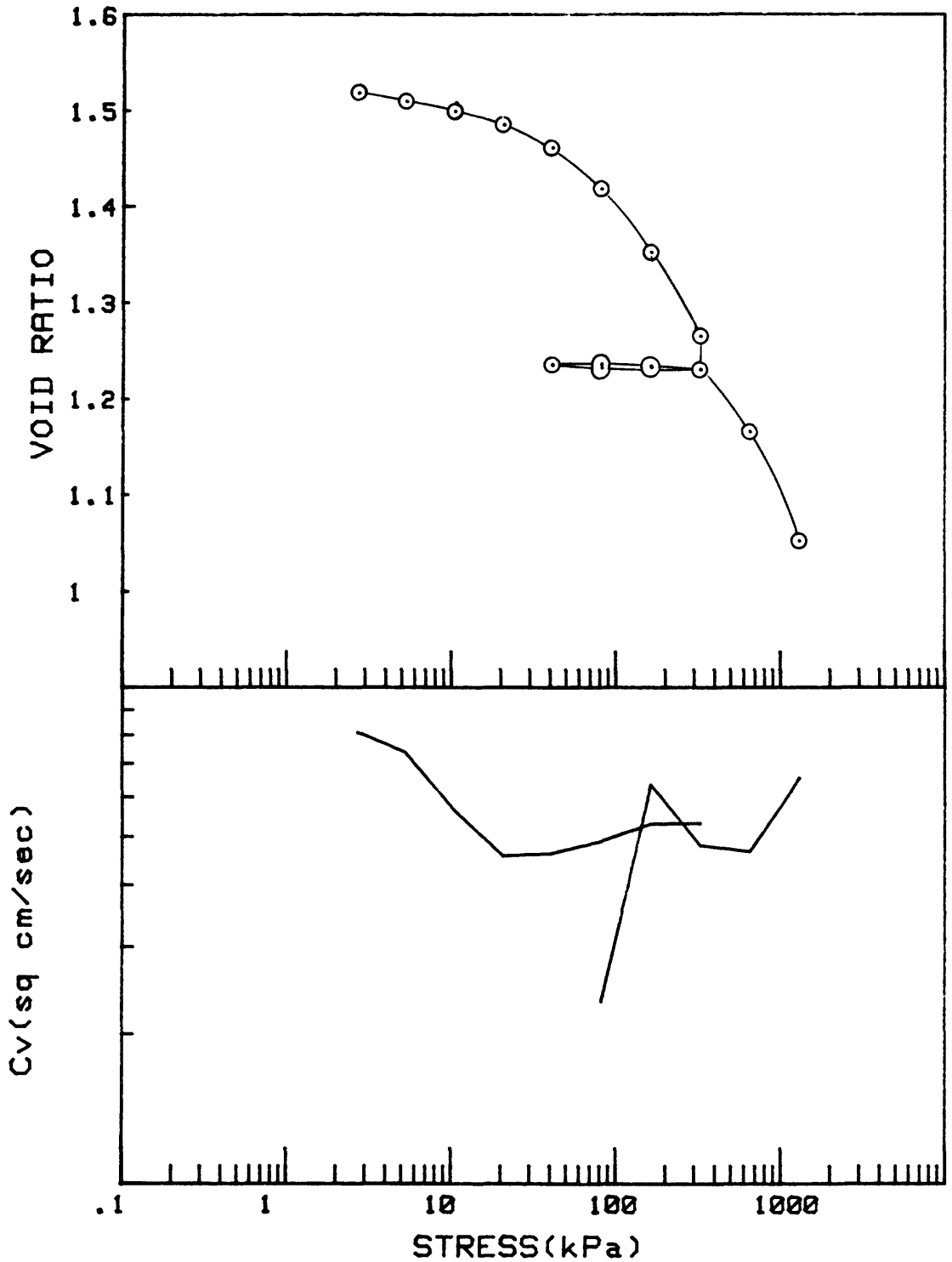
CRUISE KK1-81-HW		INCREMENT (cm)	102-104
CORE NO.	2G	TEST NO.	0E16



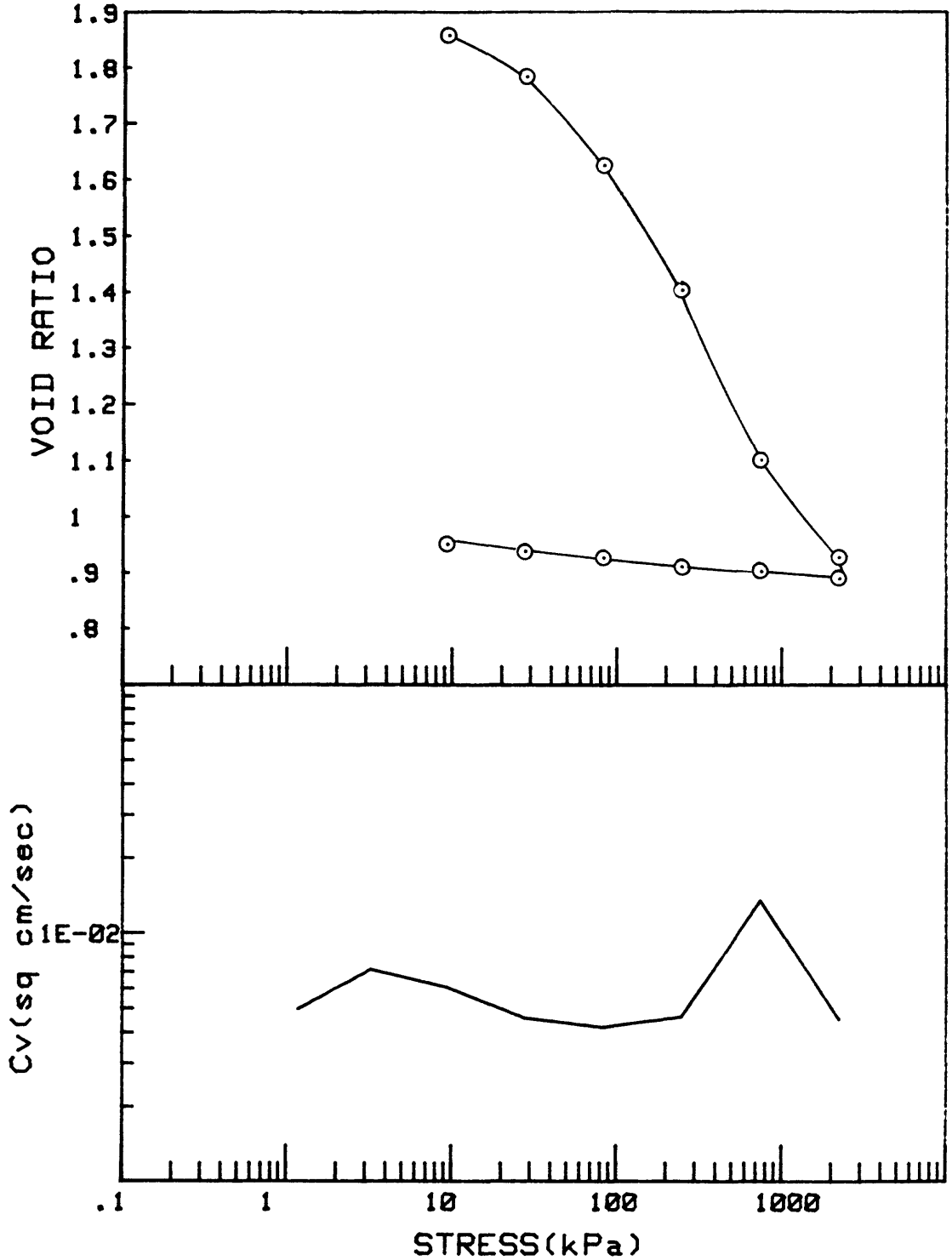
CRUISE KK1-81-HW	INCREMENT (cm) 137-139
CORE NO. 2G	TEST NO. OE14



CRUISE KK1-81-HW		INCREMENT (cm)	62-64
CORE NO.	6G	TEST NO.	0E28

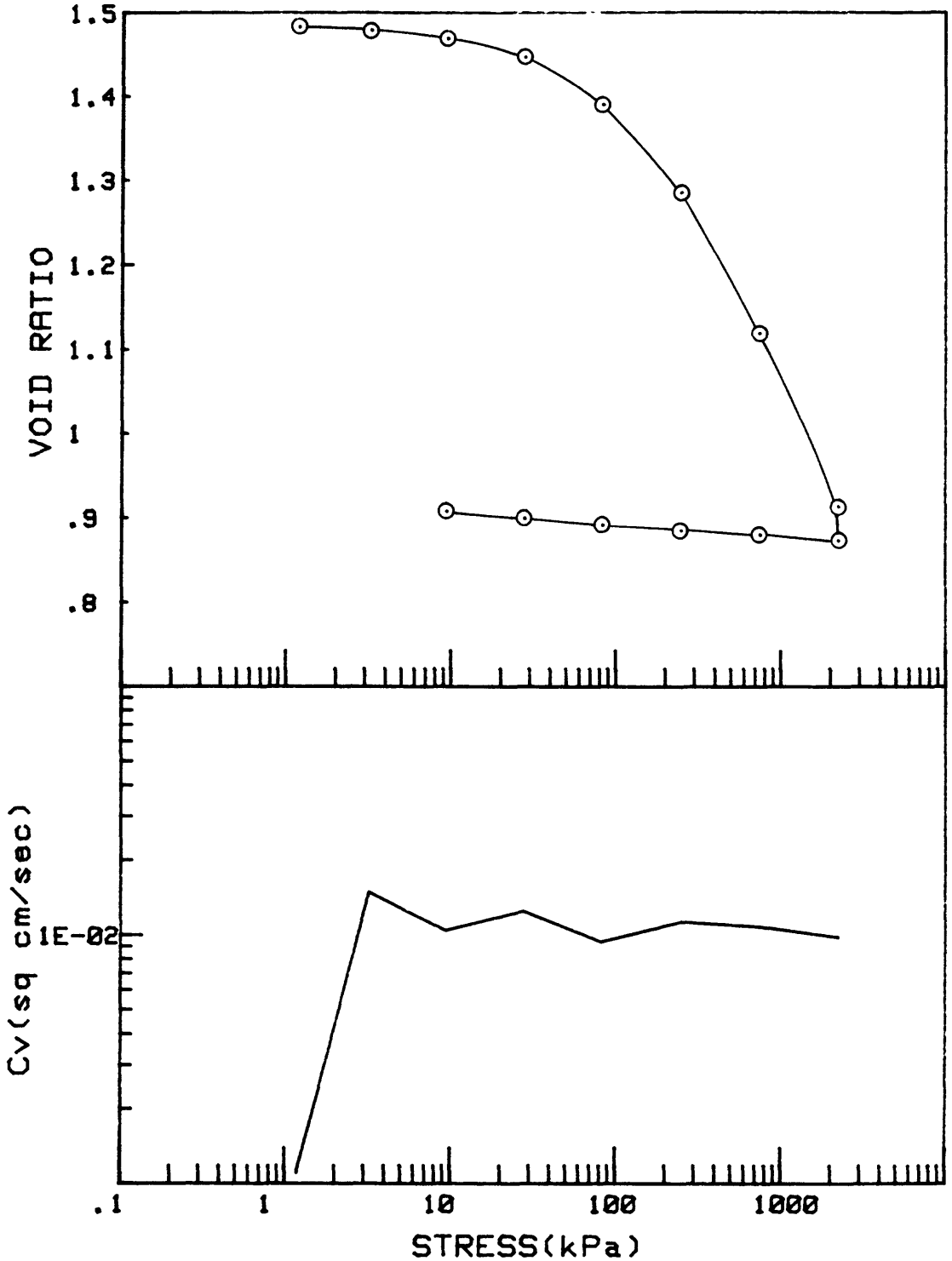


CRUISE KK1-81-HW	INCREMENT (cm)	133-135CM
CORE NO. 6G	TEST NO.	0E6

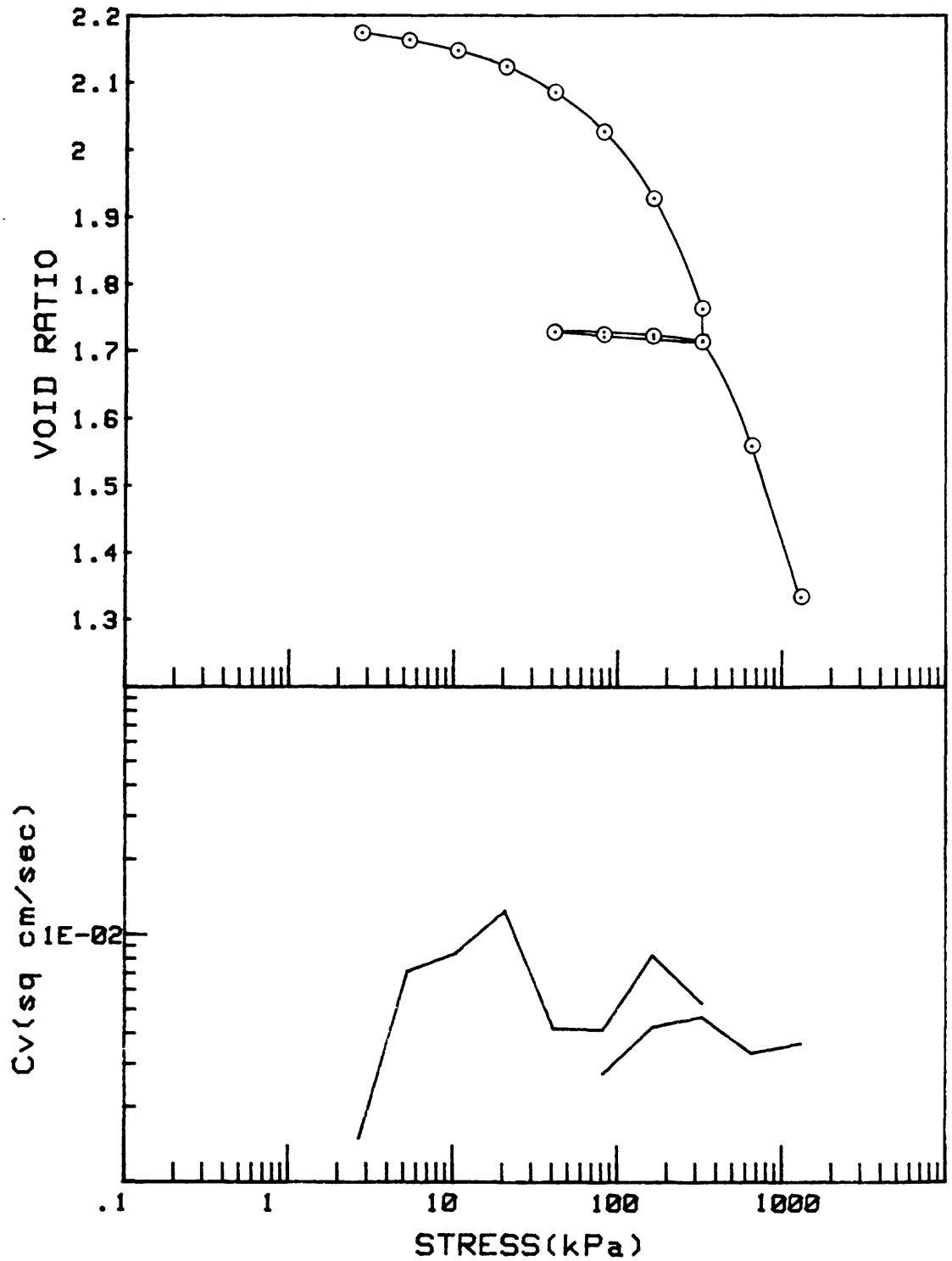


Note: Ring hold-down screws loose on this test; results are questionable.

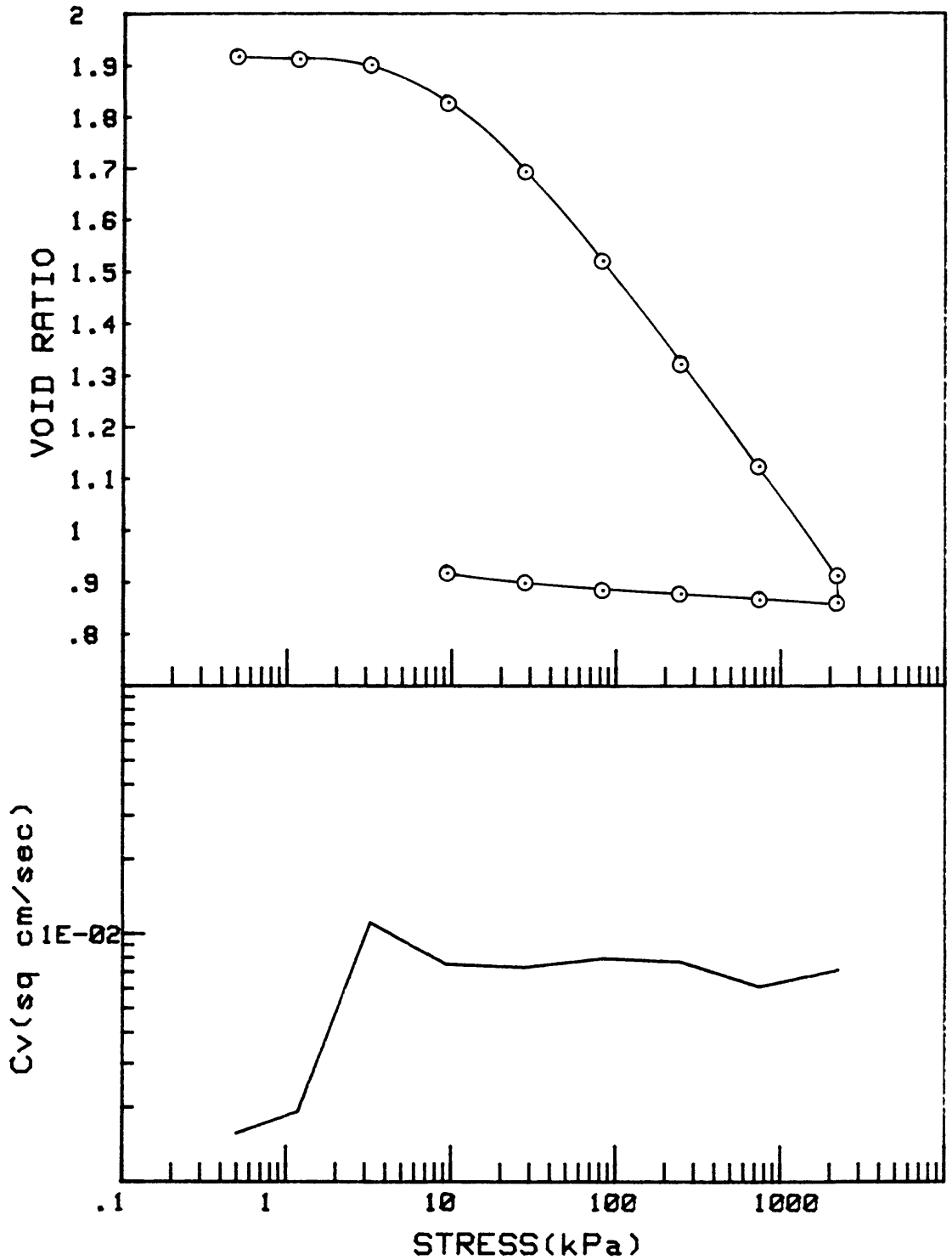
CRUISE KK1-81-HW	INCREMENT (cm) 180-182
CORE NO. 6G	TEST NO. OE26



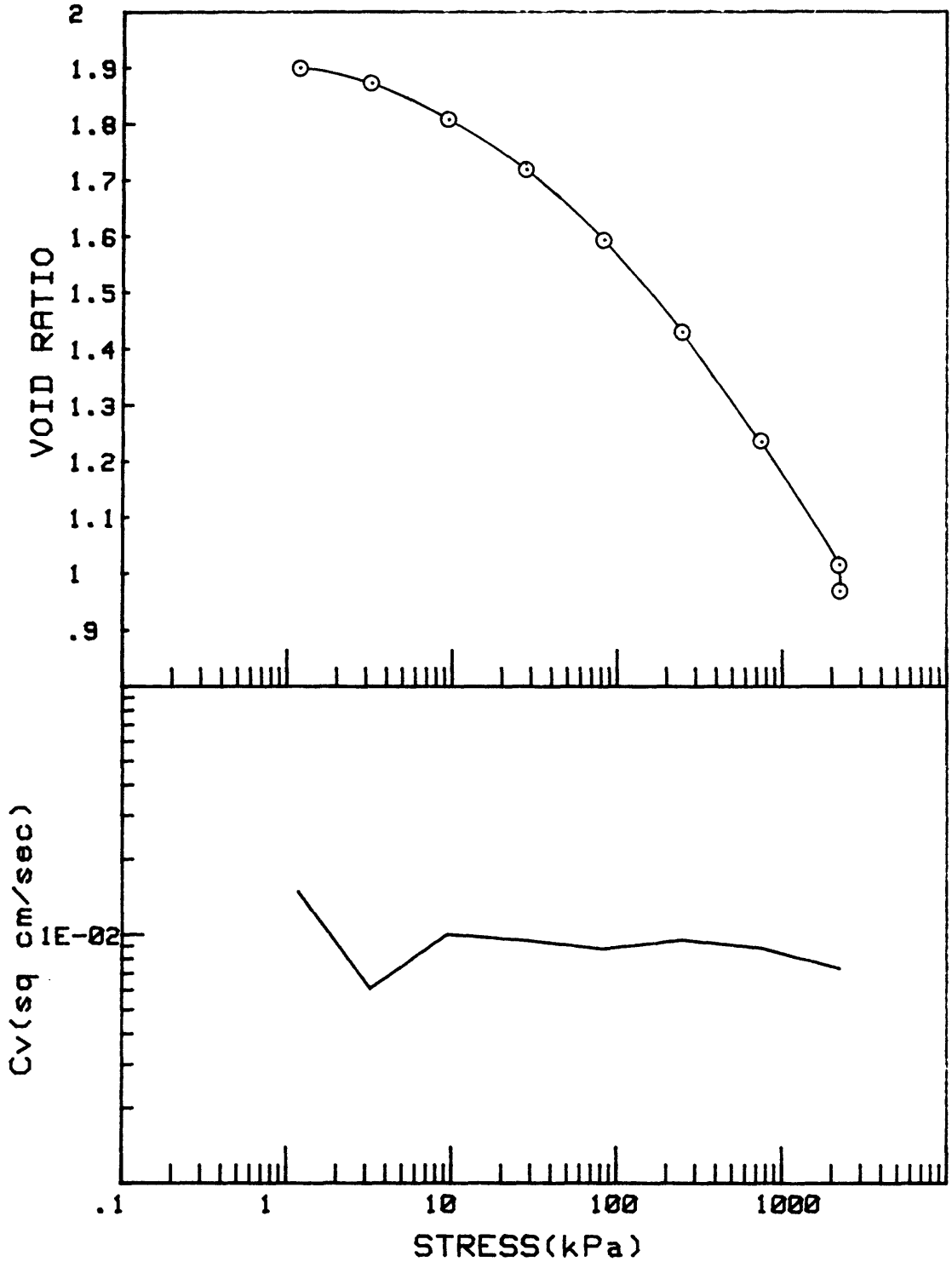
CRUISE KK1-81-HW		INCREMENT (cm)	268-270
CORE NO.	6G	TEST NO.	OE27



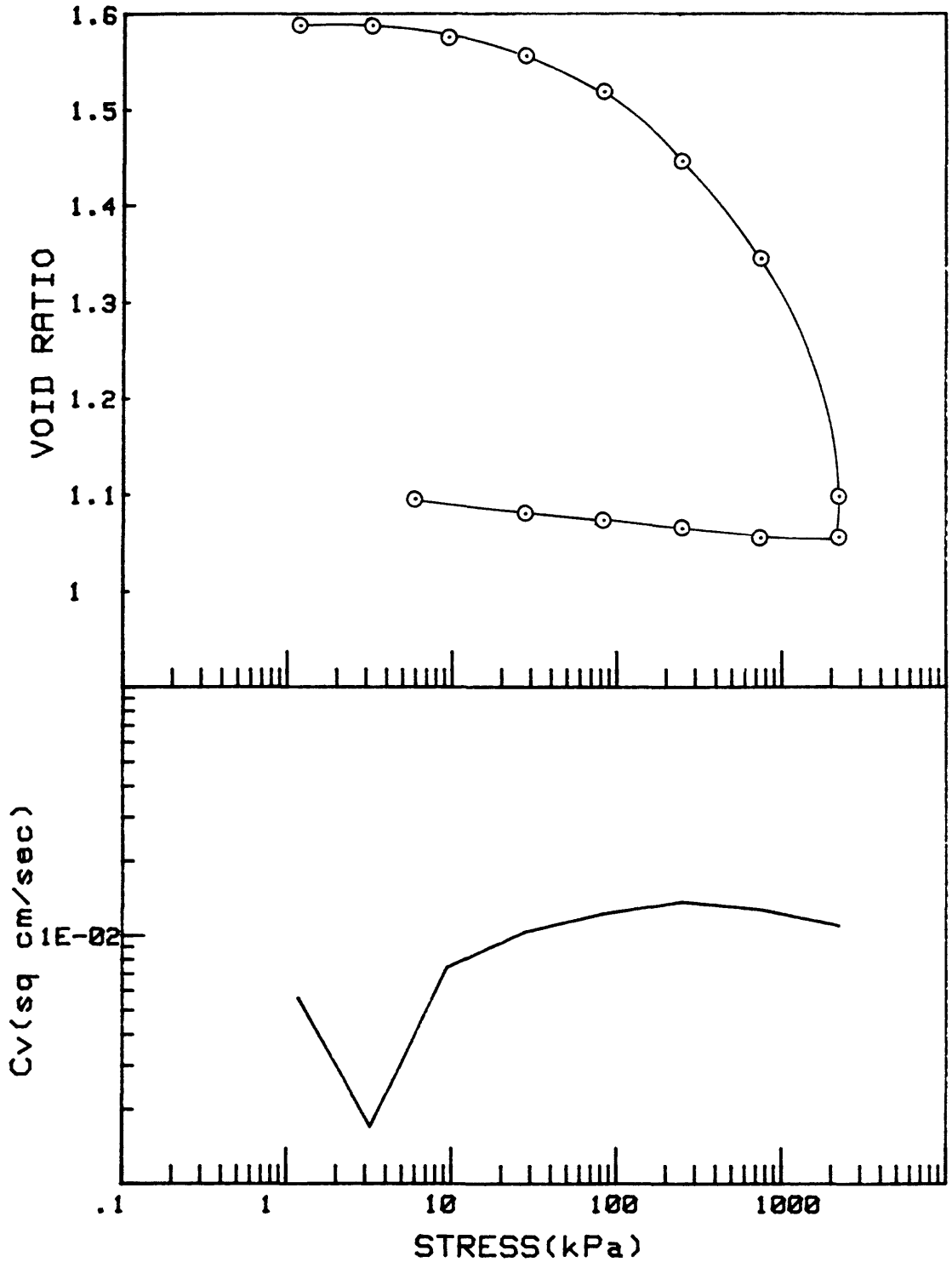
CRUISE KK1-81-HW		INCREMENT (cm)	457-459
CORE NO.	6G	TEST NO.	OE5



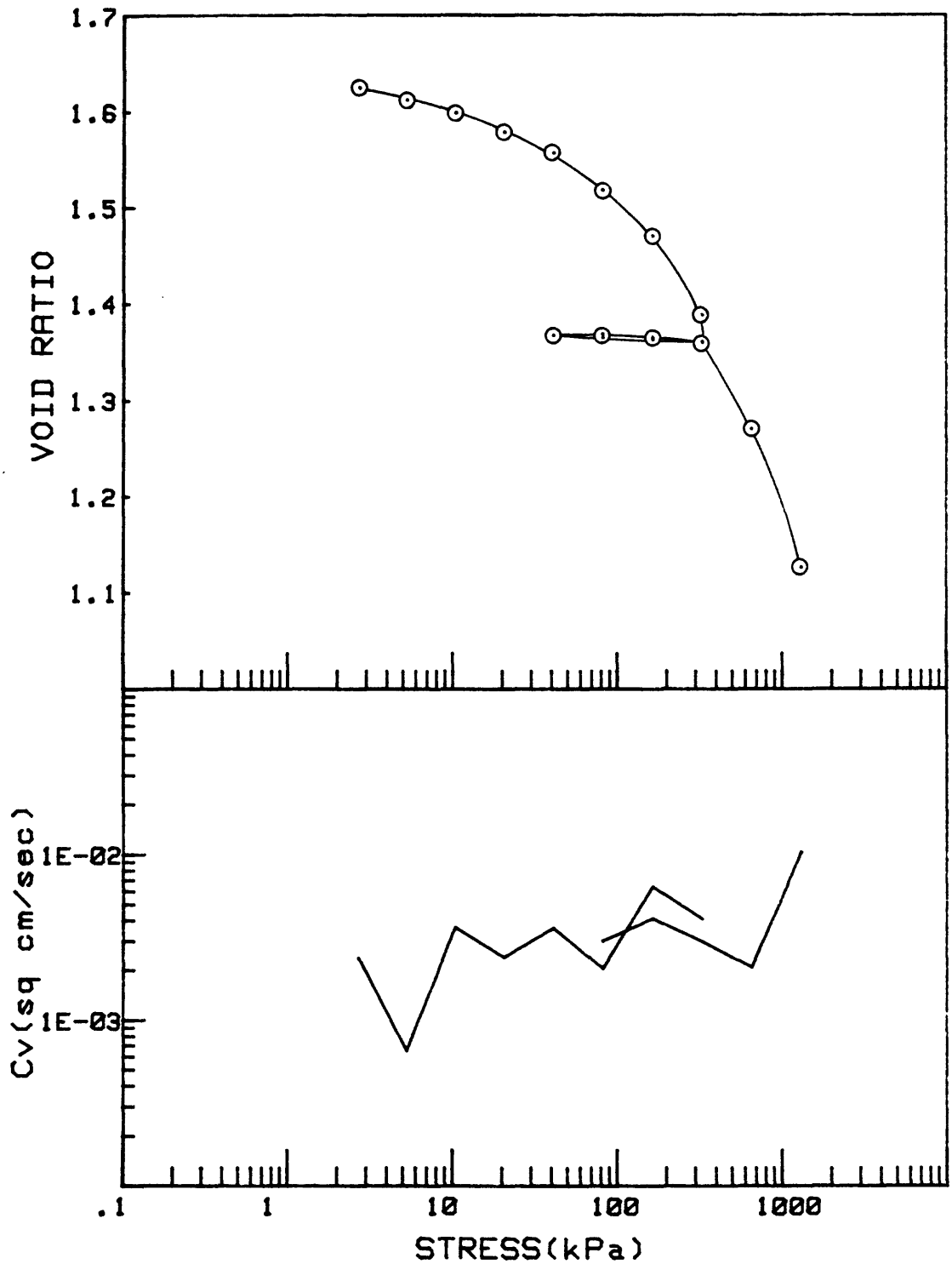
CRUISE KK1-81-HW		INCREMENT (cm)	43-45
CORE NO.	8G	TEST NO.	0E23



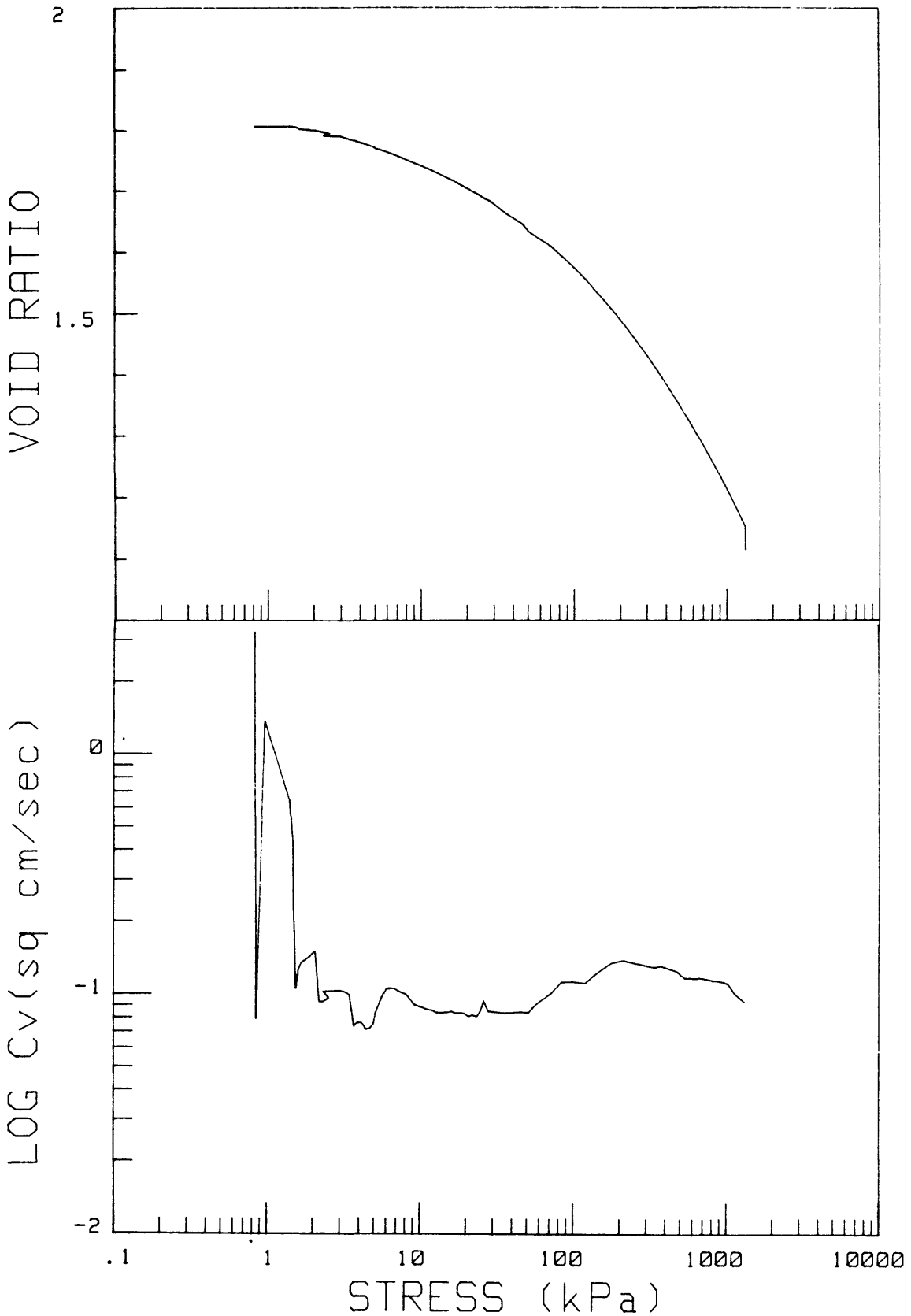
CRUISE KK1-81-HW	INCREMENT (cm) 122-124
CORE NO. 8G	TEST NO. OE29



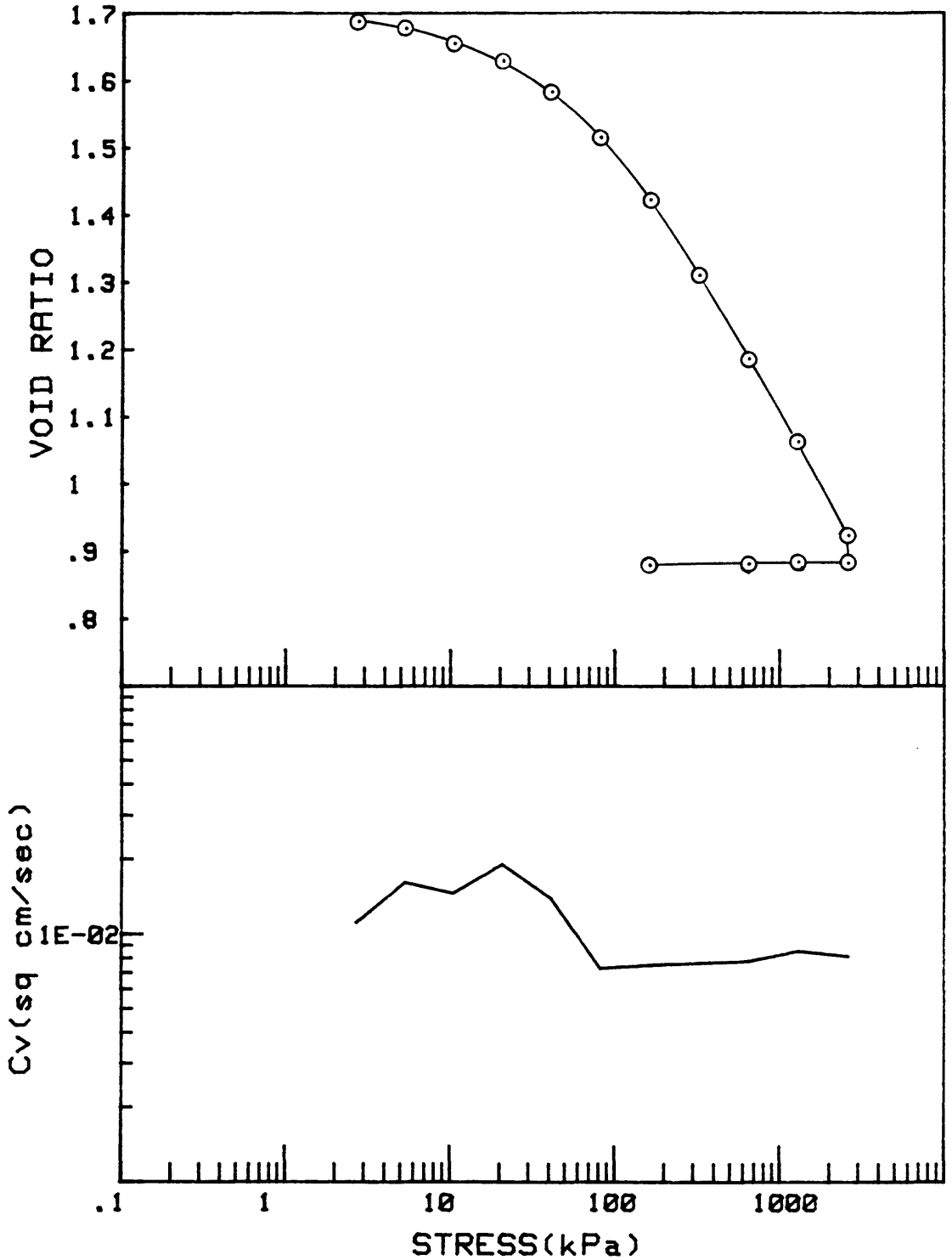
CRUISE KK1-81-HW	INCREMENT (cm) 142-144
CORE NO. 8G	TEST NO. OE24



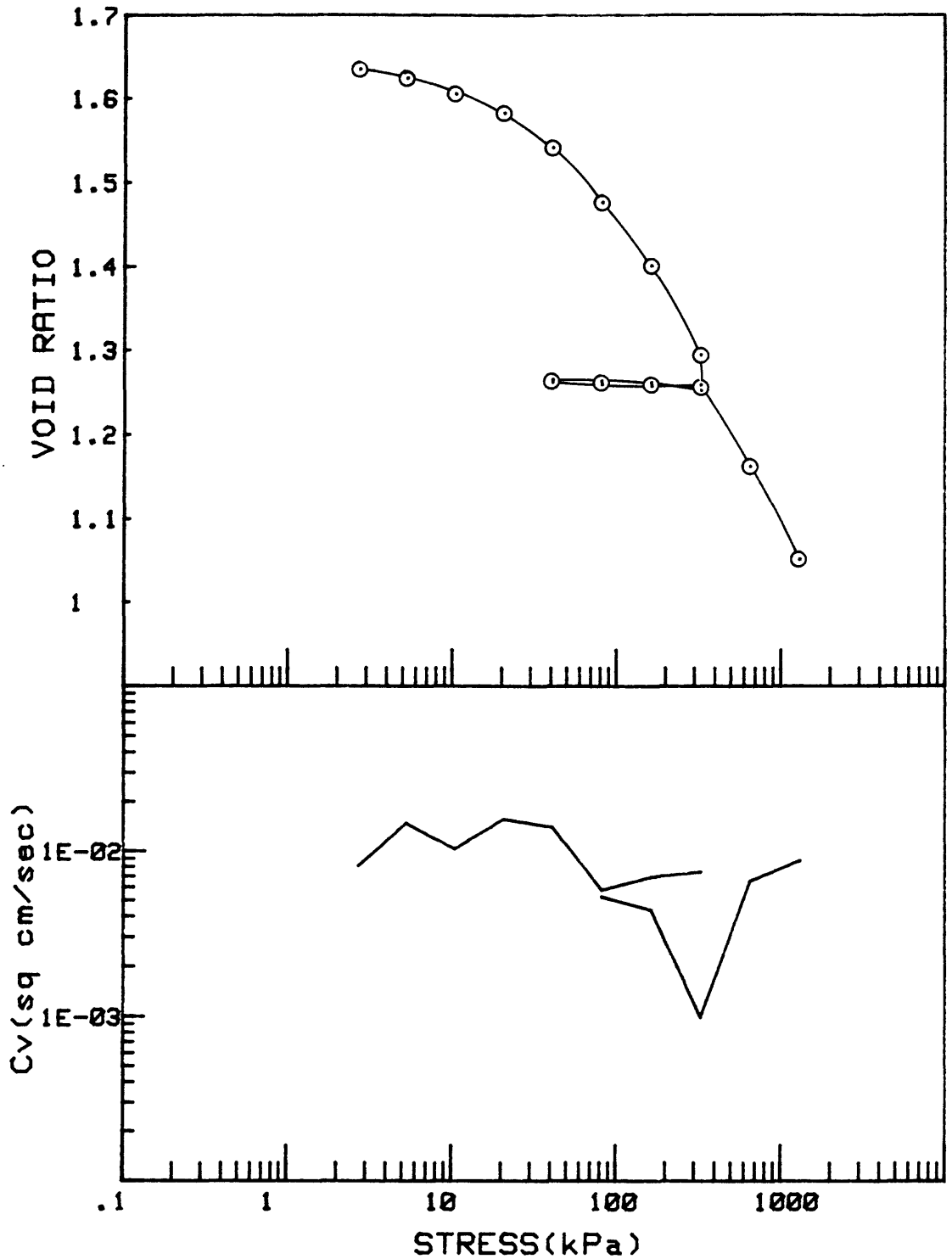
CRUISE KK1-81-HW	INCREMENT (cm) 146-148
CORE NO. 8G	TEST NO. 0E7



CRUISE KK1-81-HW	INCREMENT (cm) 150-152
CORE NO. 8G	TEST NO. CE6



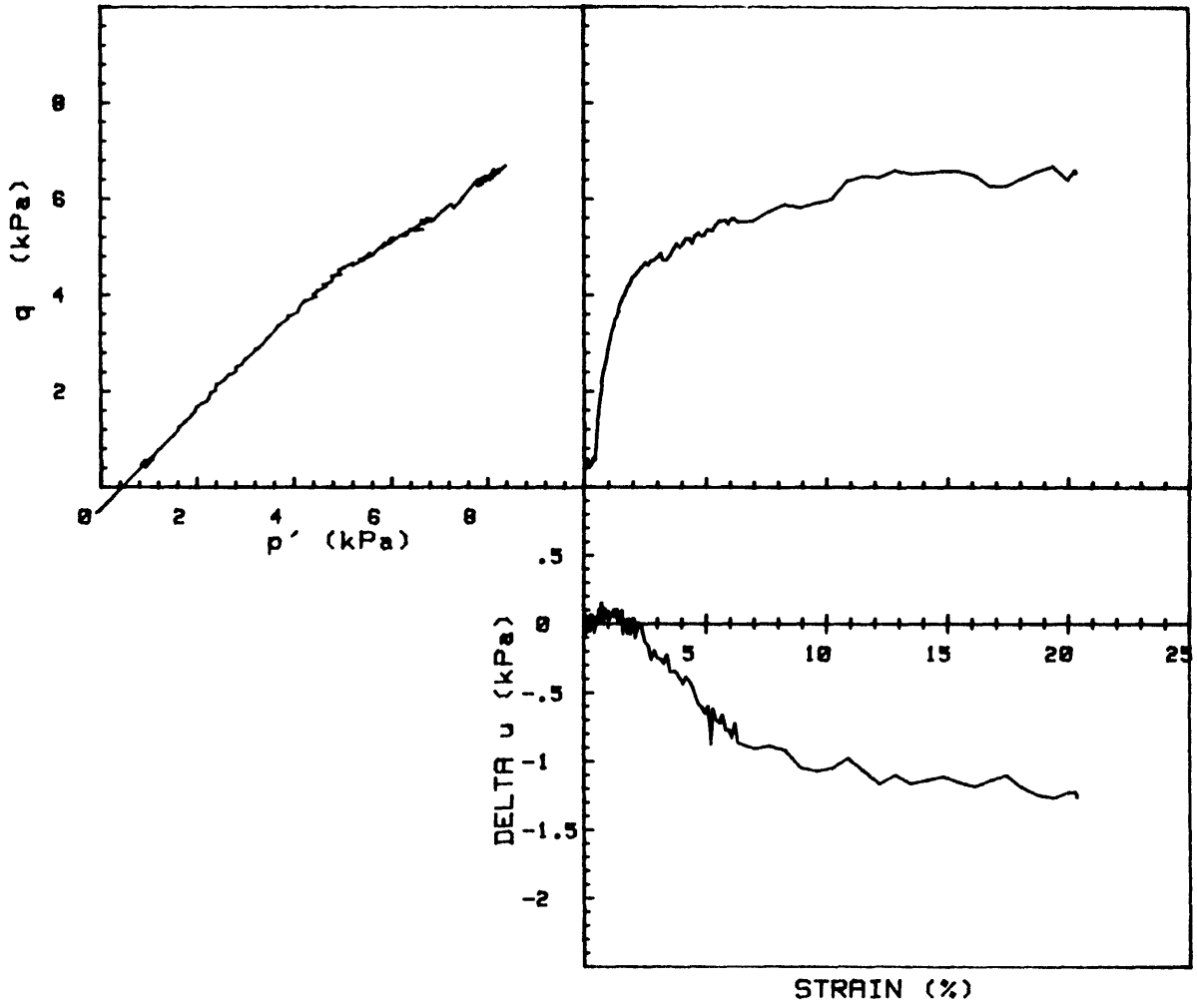
CRUISE KK1-81-HW		INCREMENT (cm)	327-329
CORE NO.	8G	TEST NO.	OE21



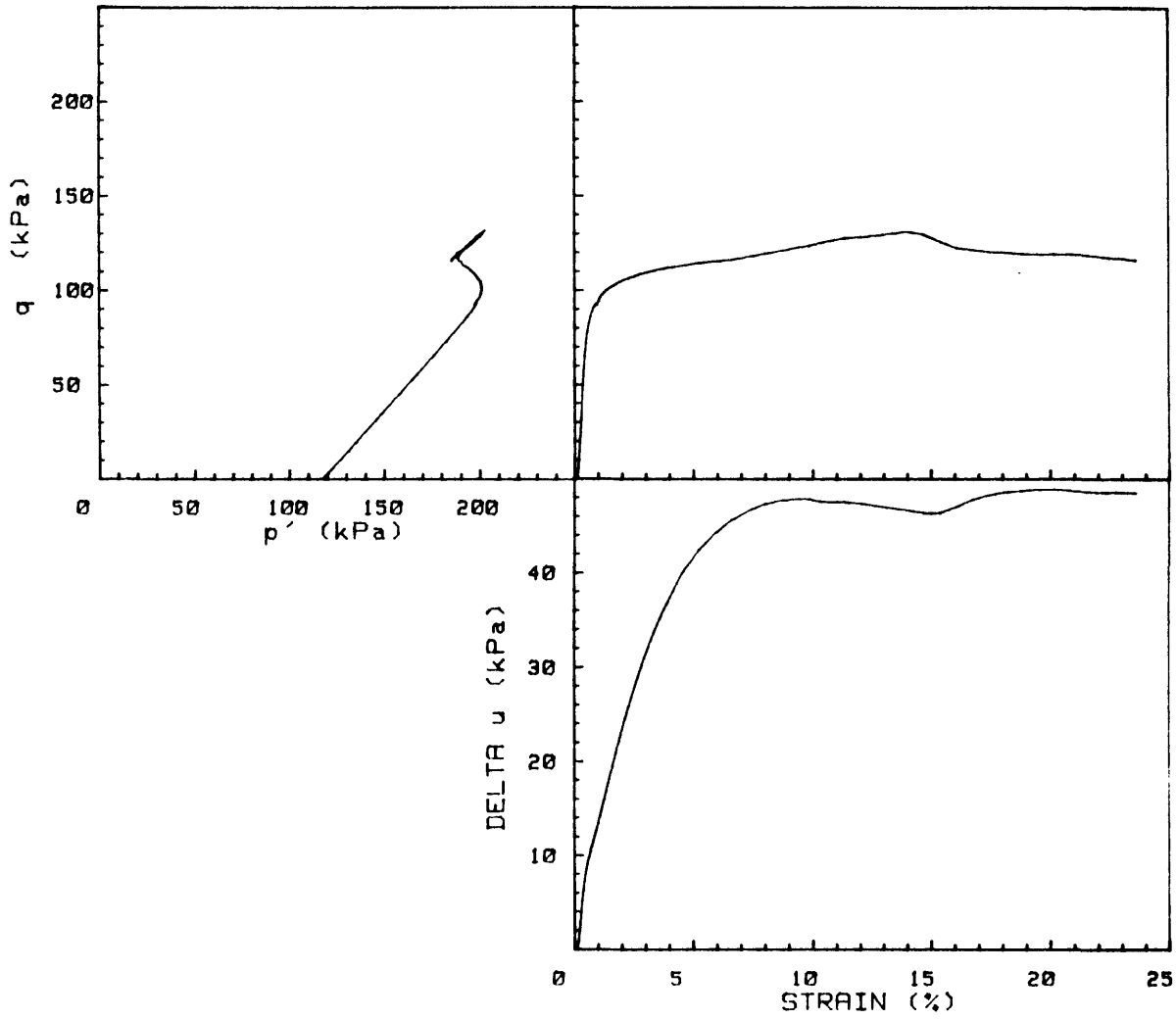
CRUISE KK1-81-HW		INCREMENT (cm)	345-347
CORE NO.	8G	TEST NO.	OE9

APPENDIX B

Static Triaxial Test Plots and Data

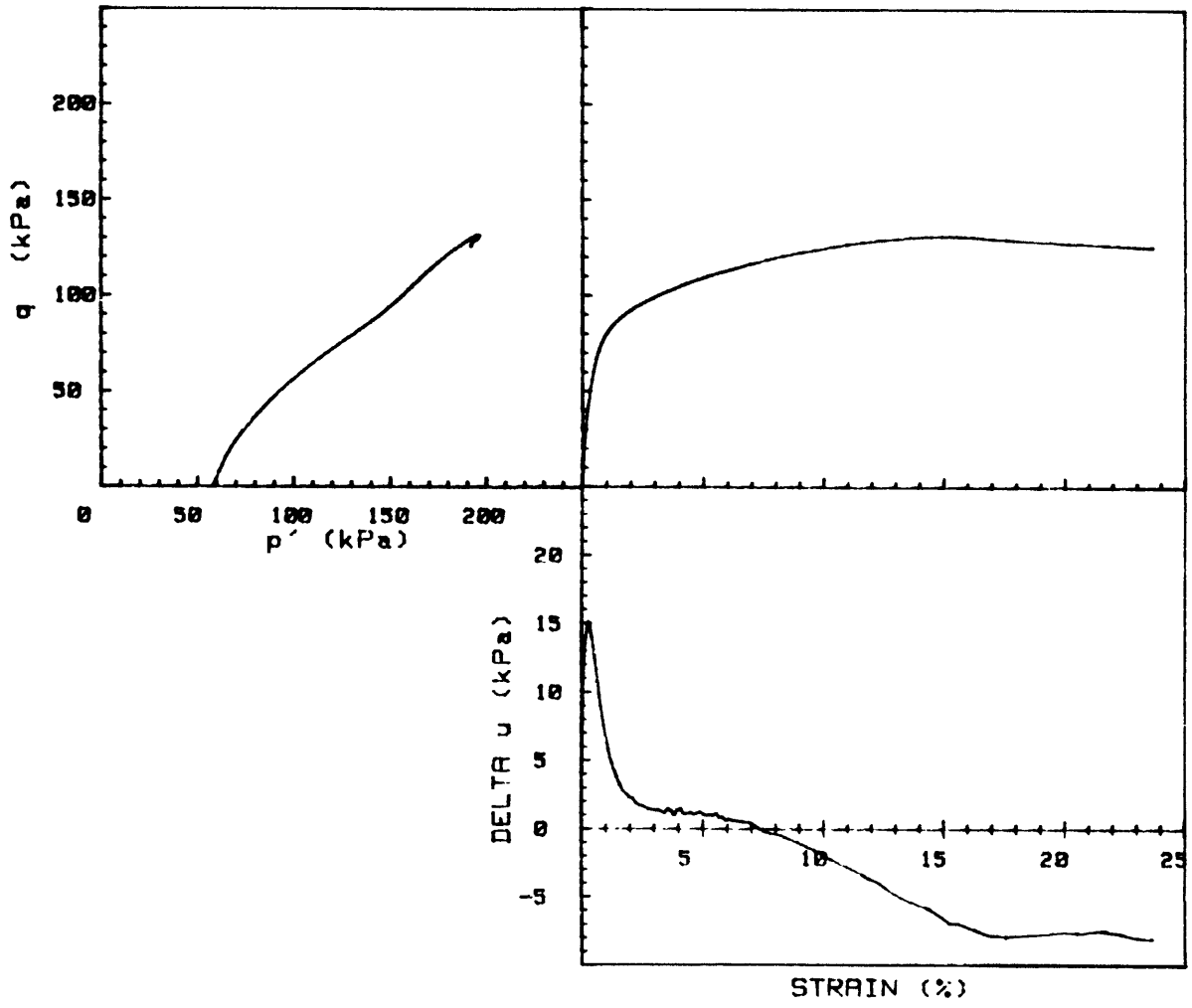


CRUISE KK1-81-HW		INCREMENT (cm)	90-99
CORE NO. 1G		TEST NO.	TE31
SIG1c'(kPa)	.4		
SIG3c'(kPa)	.4		
INDUCED OCR	1.0		



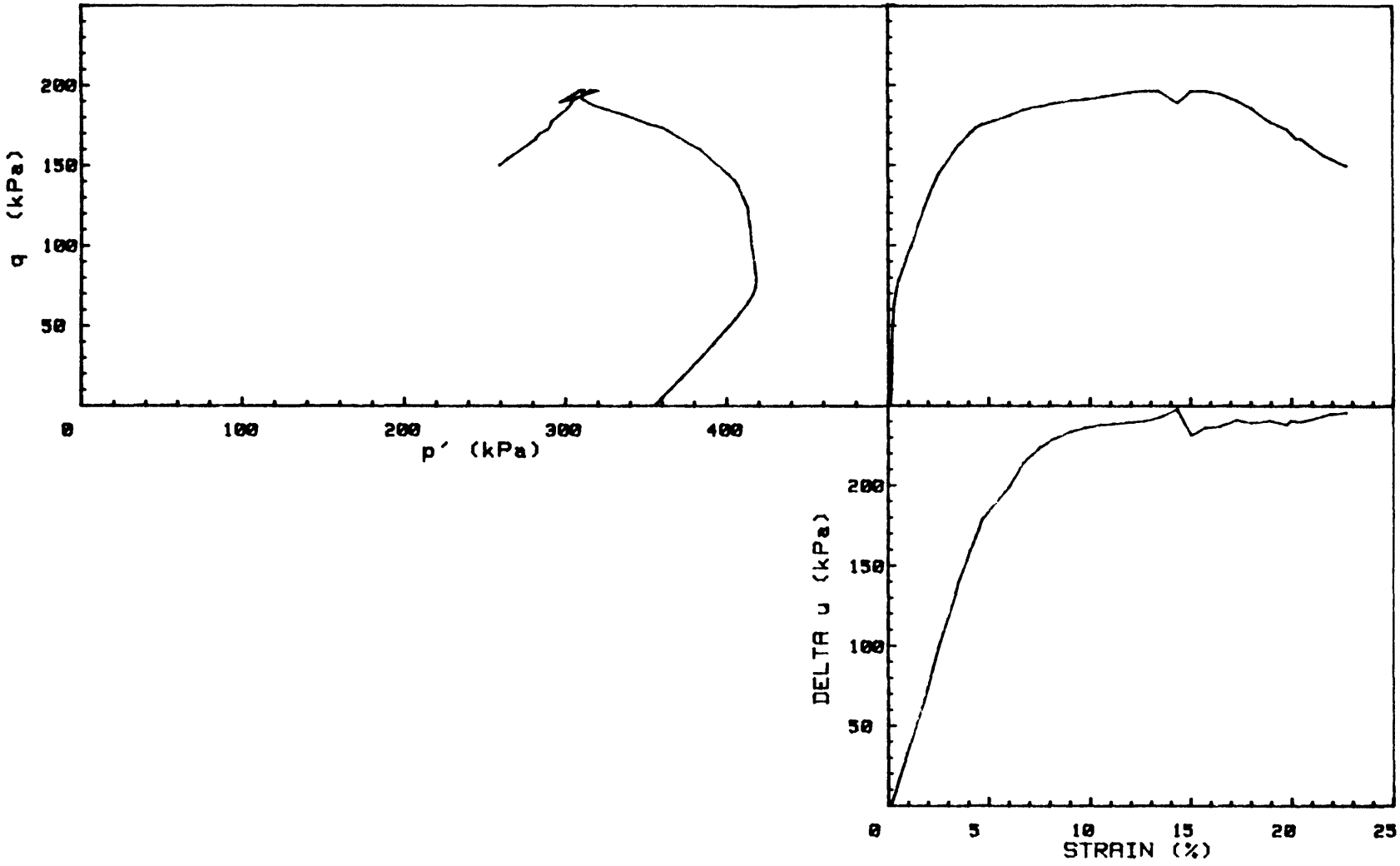
CRUISE KK1-81-HW		INCREMENT (cm)	129-138
CORE NO.	1G	TEST NO.	TE40

SIG1c´(kPa)	118.2
SIG3c´(kPa)	118.2
INDUCED OCR	2.9

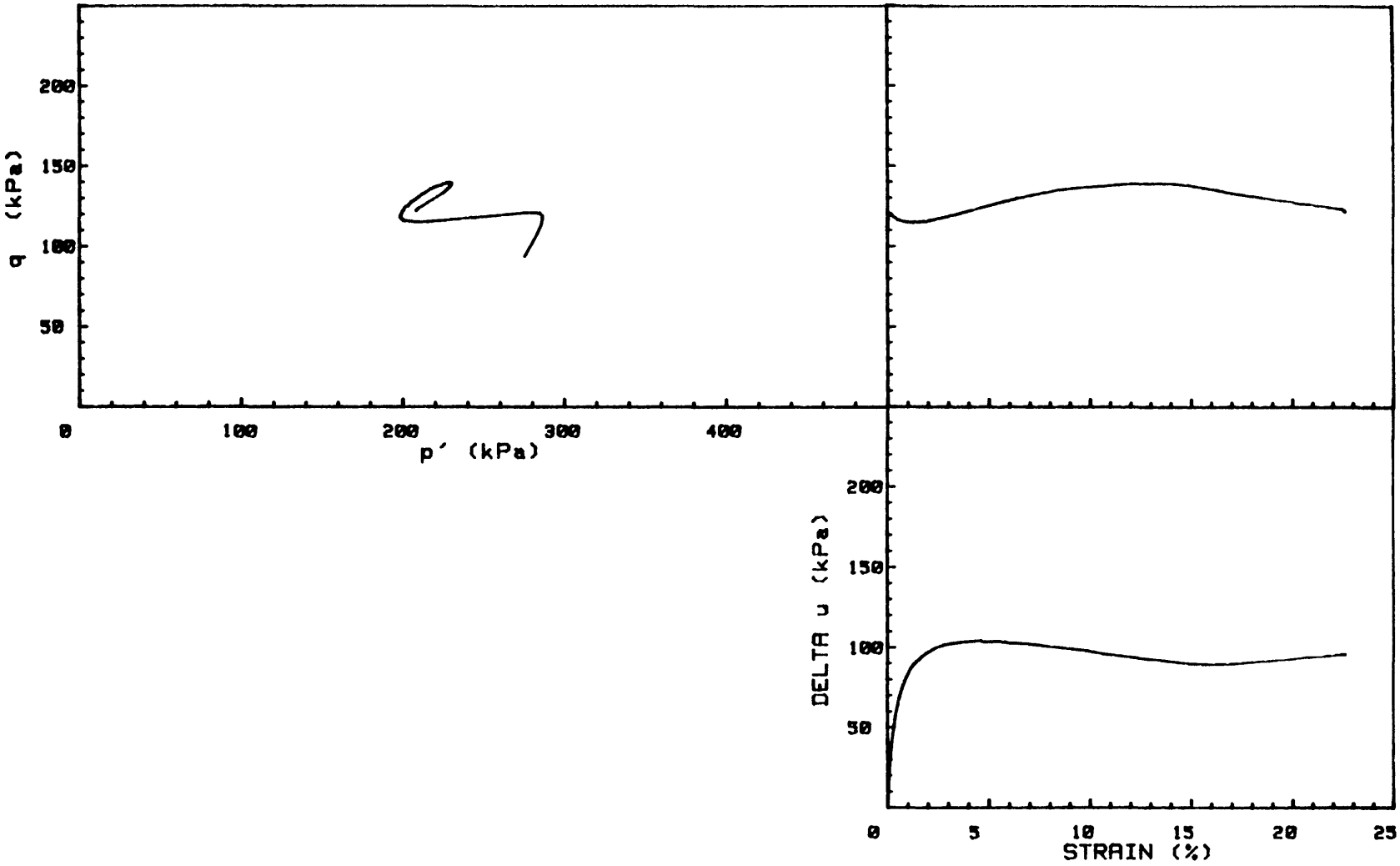


CRUISE KK1-81-HW		INCREMENT (cm)	148-157
CORE NO.	1G	TEST NO.	TE41

SIG1c´(kPa)	58.2
SIG3c´(kPa)	58.2
INDUCED OCR	6.0

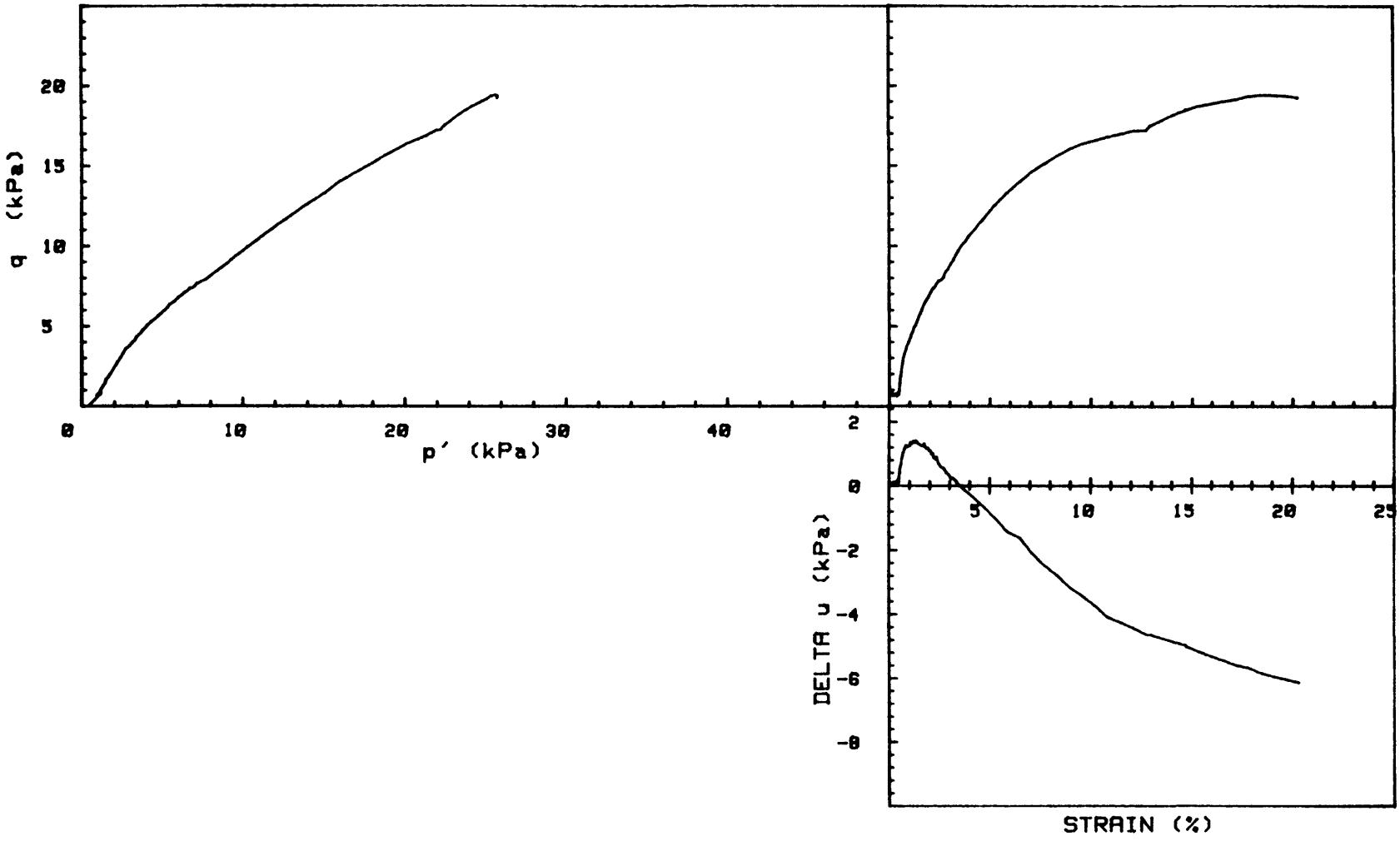


CRUISE KK1-81-HW		INCREMENT (cm)	159-168
CORE NO.	1G	TEST NO.	TE42
SIG1c'(kPa)	355.9		
SIG3c'(kPa)	355.9		
INDUCED OCR	1.0		



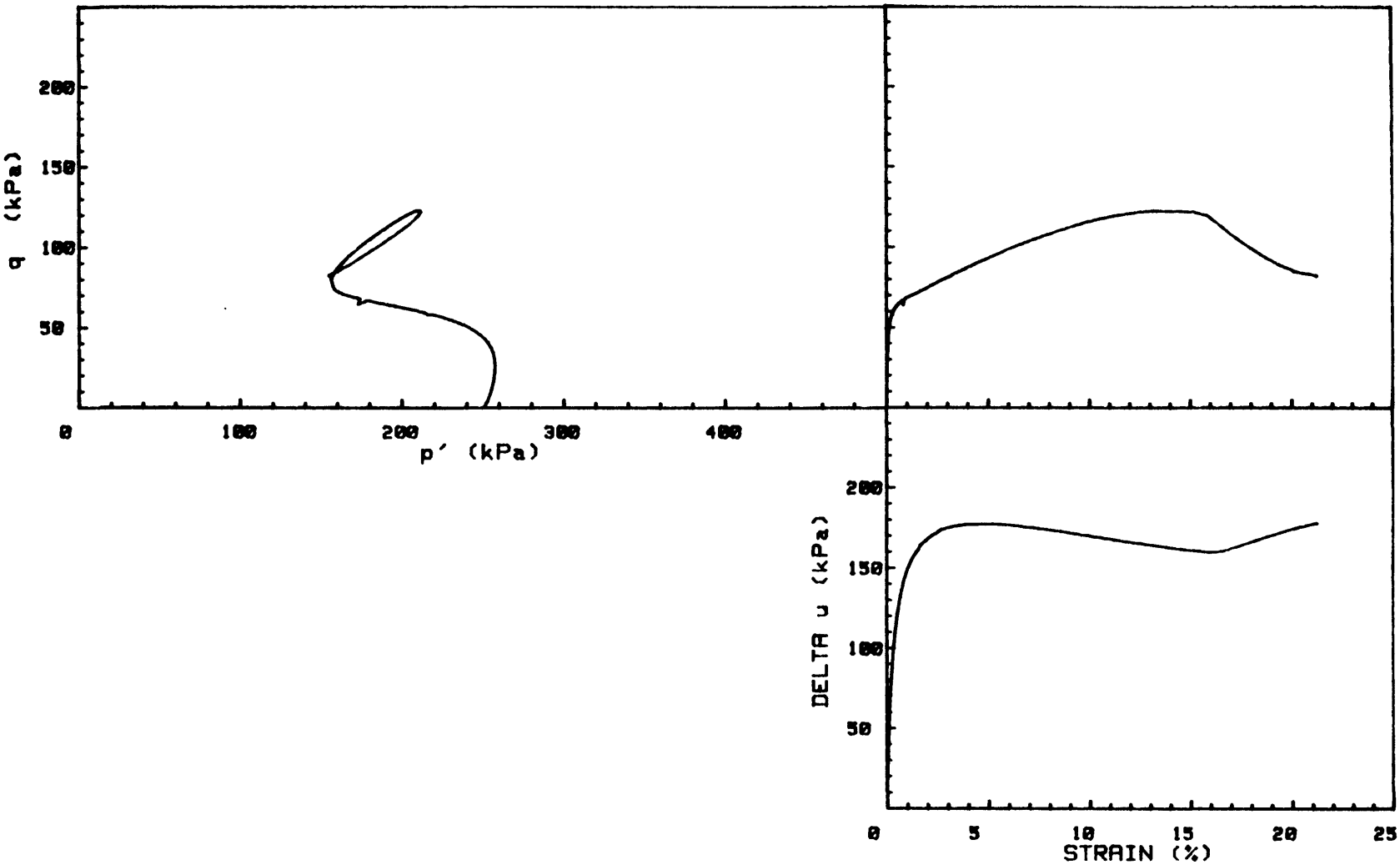
CRUISE KK1-81-HW		INCREMENT (cm)	190-199
CORE NO.	1G	TEST NO.	TE43

SIG1c'(kPa)	369.4
SIG3c'(kPa)	182.3
INDUCED OCR	1.0



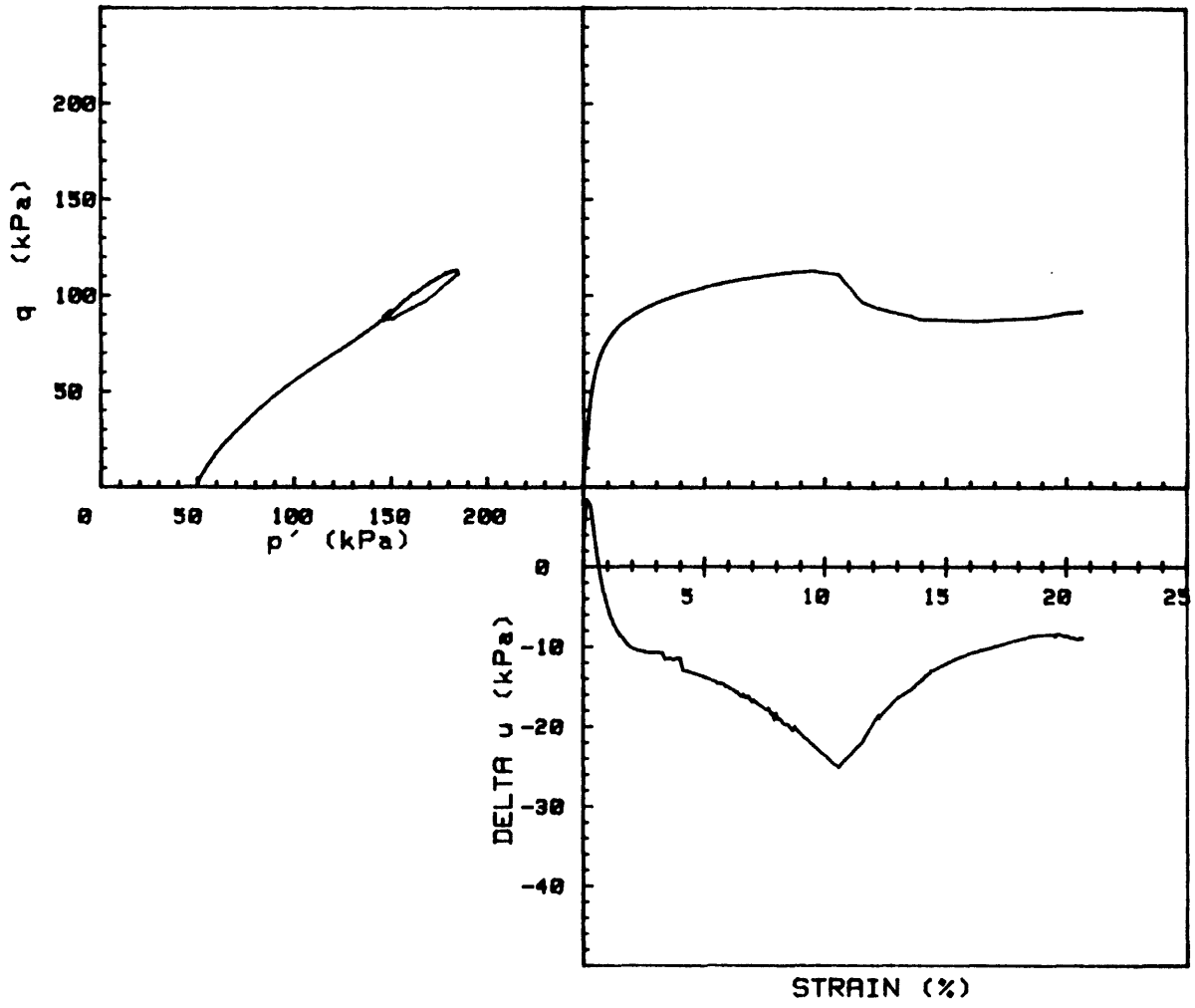
CRUISE KK1-81-HW		INCREMENT (cm)	31-40
CORE NO.	2G	TEST NO.	TE52

SIG1c'(kPa)	.4
SIG3c'(kPa)	.4
INDUCED OCR	1.0

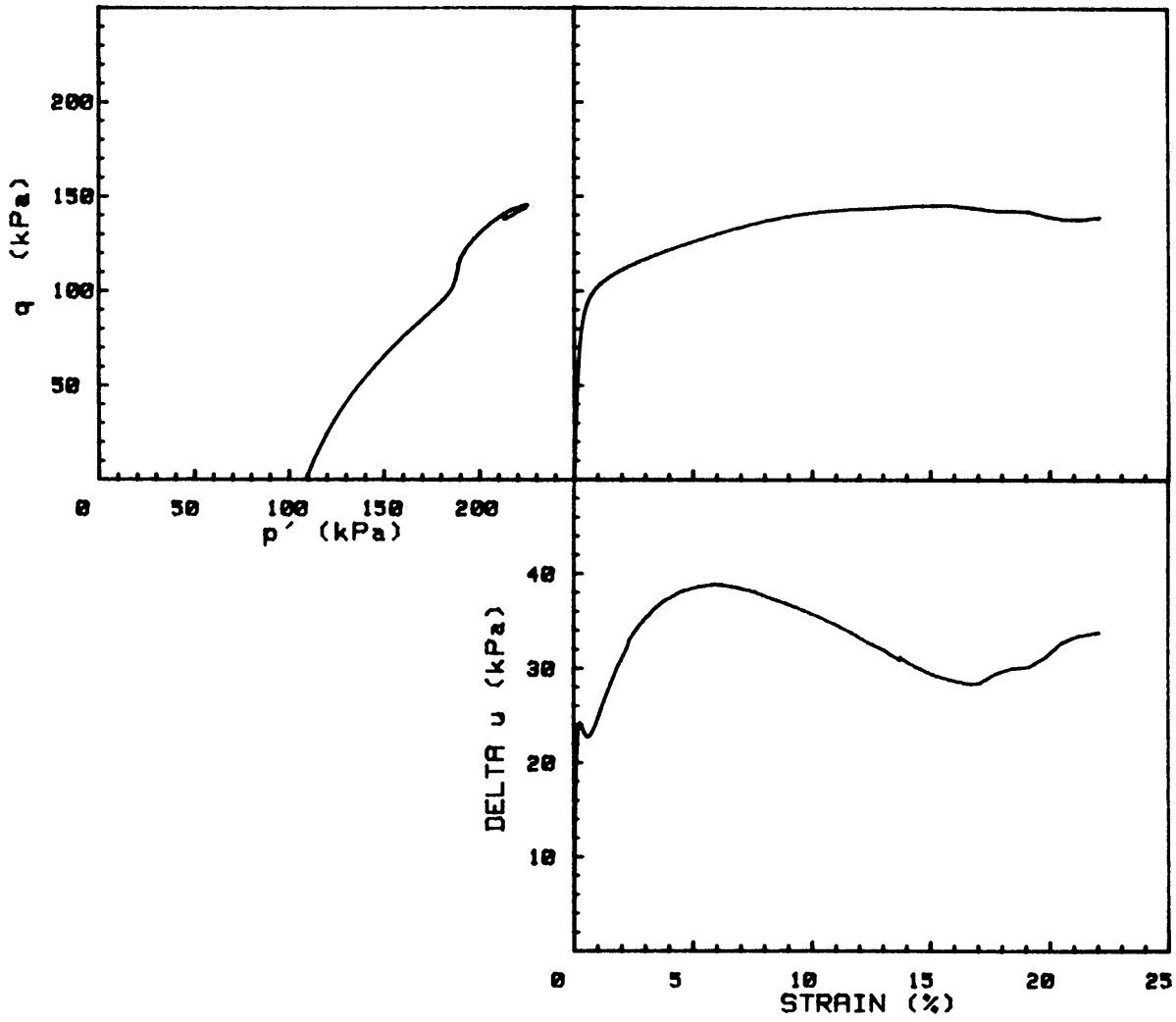


CRUISE KK1-81-HW		INCREMENT (cm)	84-92
CORE NO.	2G	TEST NO.	TE44

SIG1c'(kPa)	251.0
SIG3c'(kPa)	251.0
INDUCED OCR	1.0

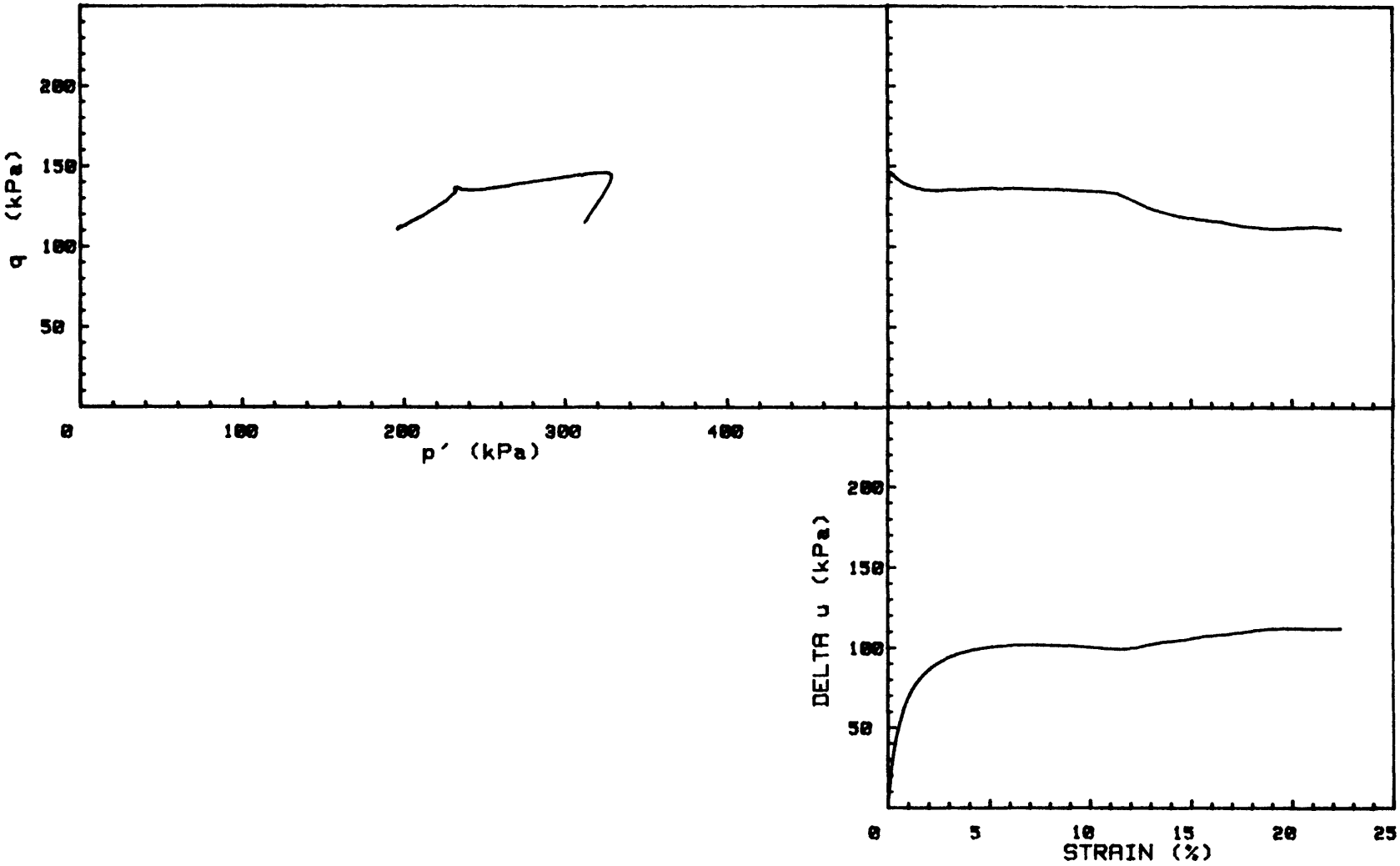


CRUISE KK1-81-HW		INCREMENT (cm)	112-120
CORE NO.	2G	TEST NO.	TE45
SIG1c´(kPa)	49.3		
SIG3c´(kPa)	49.3		
INDUCED OCR	6.3		



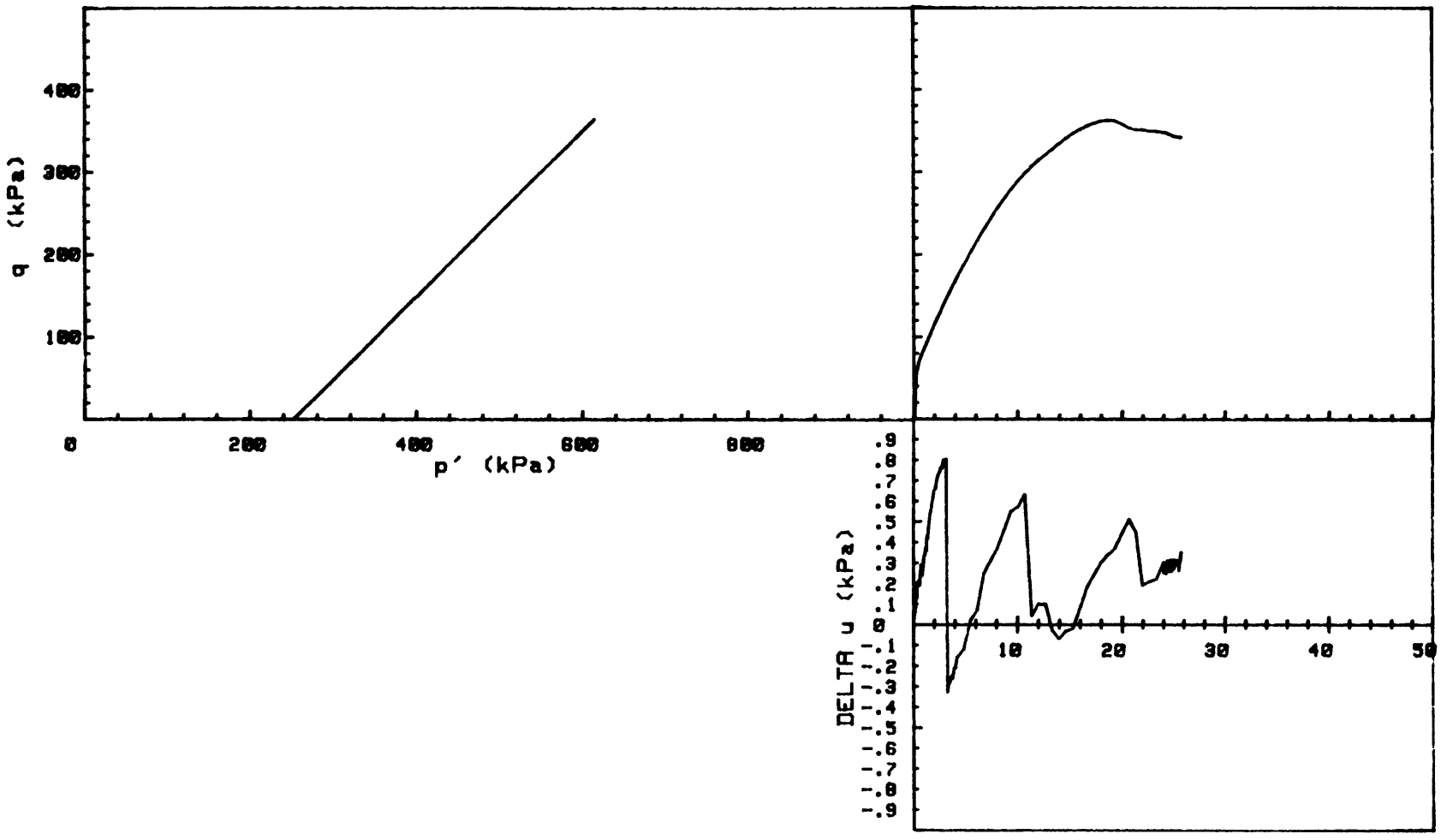
CRUISE KK1-81-HW		INCREMENT (cm)	123-131
CORE NO.	2G	TEST NO.	TE46

SIG1c´(kPa)	108.7
SIG3c´(kPa)	108.7
INDUCED OCR	3.1



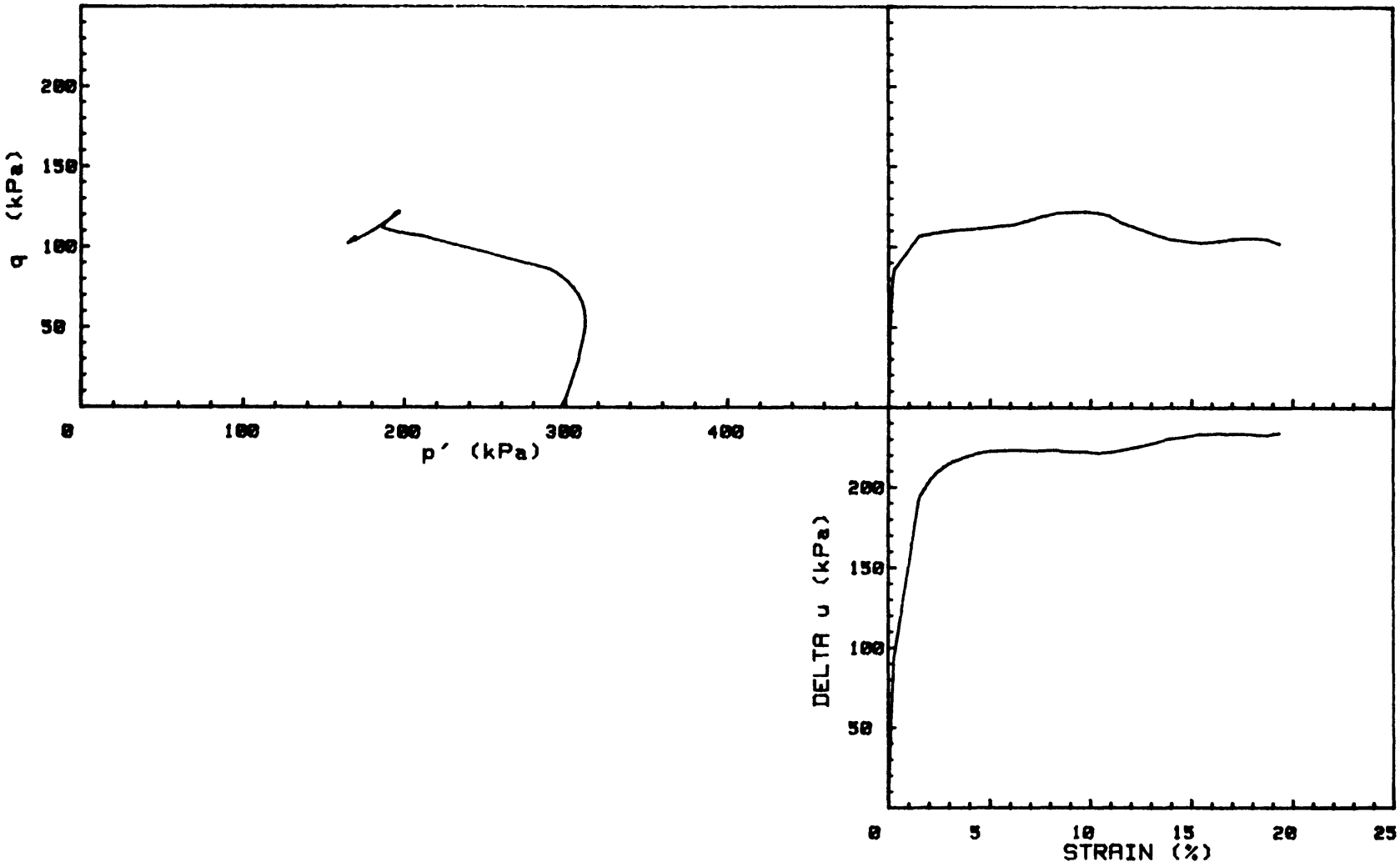
CRUISE	KK1-81-HW	INCREMENT (cm)	151-160
CORE NO.	2G	TEST NO.	TE47

SIG1c'(kPa)	427.5
SIG3c'(kPa)	197.6
INDUCED OCR	1.0



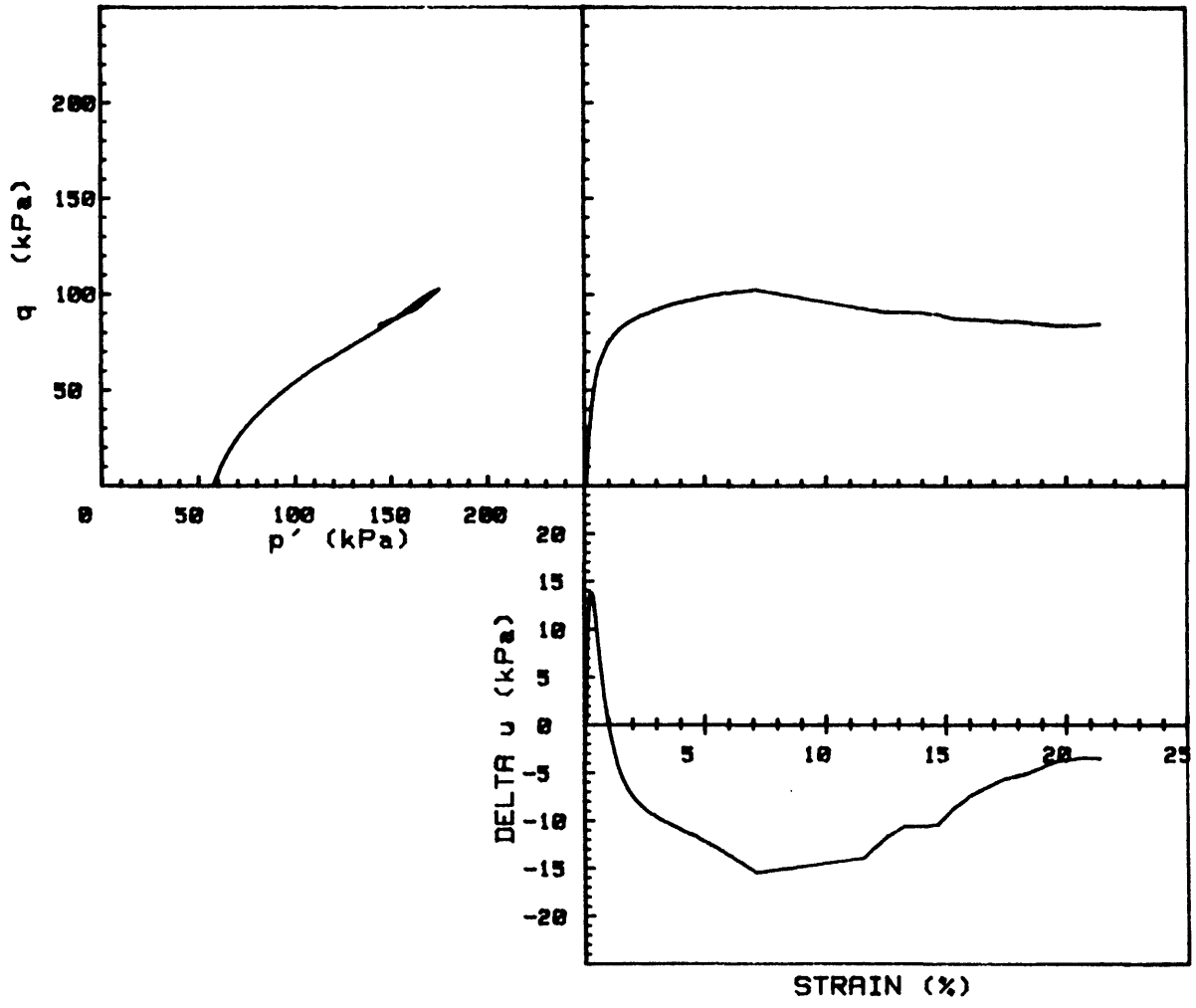
CRUISE KK1-81-HW		INCREMENT (cm)	100-109
CORE NO.	6G	TEST NO.	TE53

SIG1c'(kPa)	253.1
SIG3c'(kPa)	253.1
INDUCED OCR	1.0



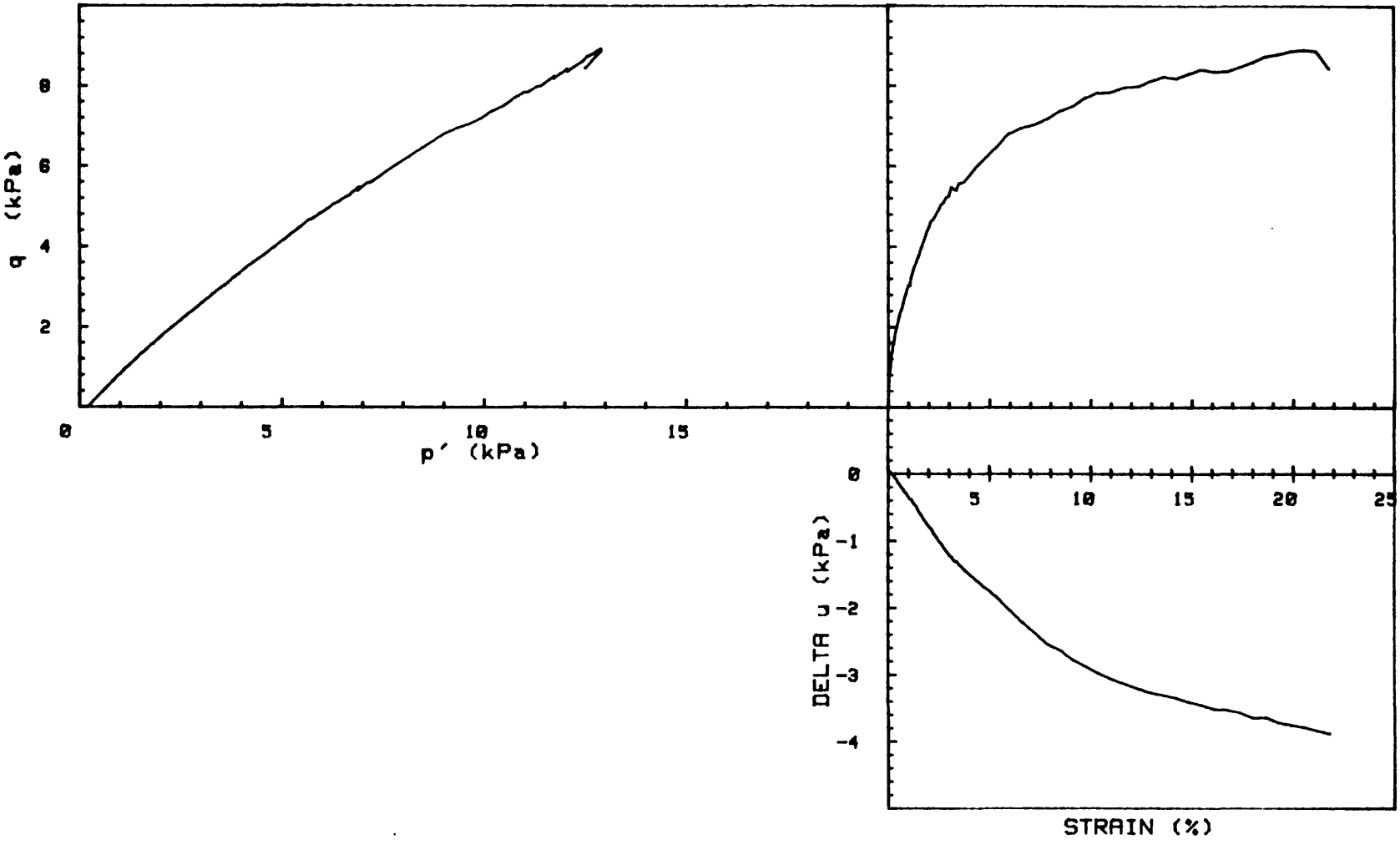
CRUISE	KK1-81-HW	INCREMENT (cm)	155-164
CORE NO.	6G	TEST NO.	TE49

SIG1c'(kPa)	297.5
SIG3c'(kPa)	297.5
INDUCED OCR	1.0



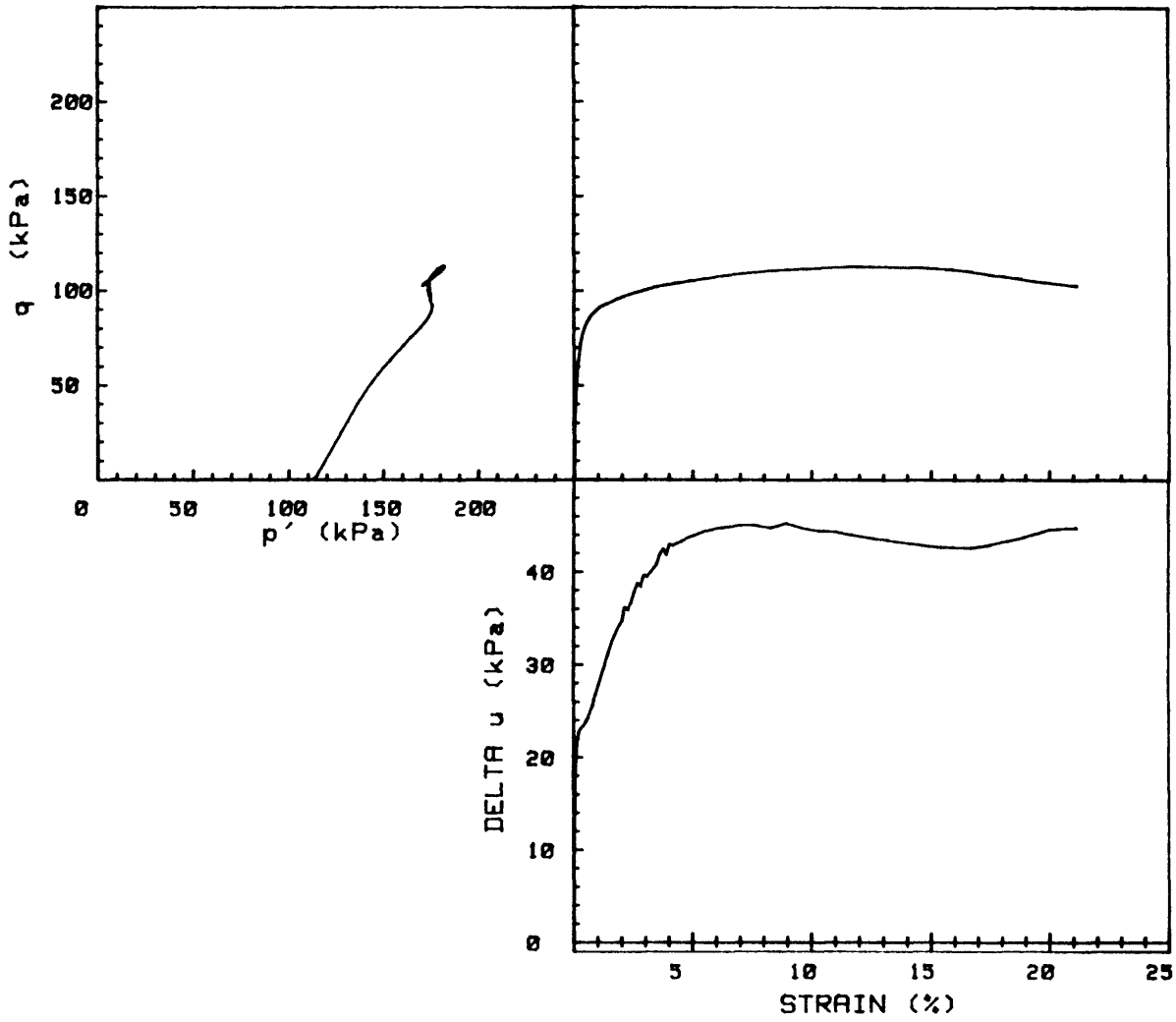
CRUISE	KK1-81-HW	INCREMENT (cm)	166-175
CORE NO.	6G	TEST NO.	TE50

SIG1c'(kPa)	57.3
SIG3c'(kPa)	57.3
INDUCED OCR	6.0

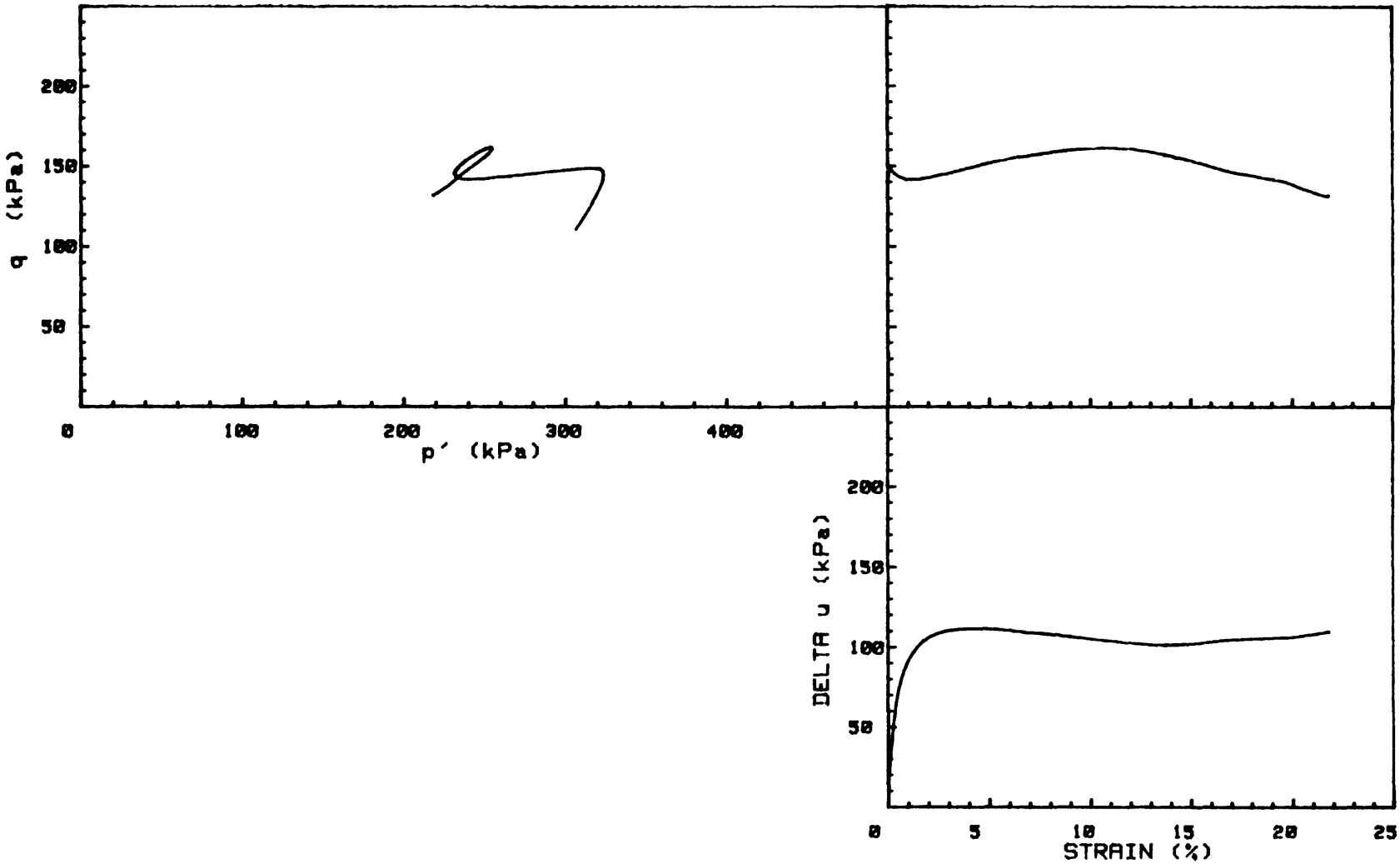


CRUISE KK1-81-HW		INCREMENT (cm)	199-208
CORE NO.	6G	TEST NO.	TE17

SIG1c'(kPa)	.2
SIG3c'(kPa)	.2
INDUCED OCR	1.0

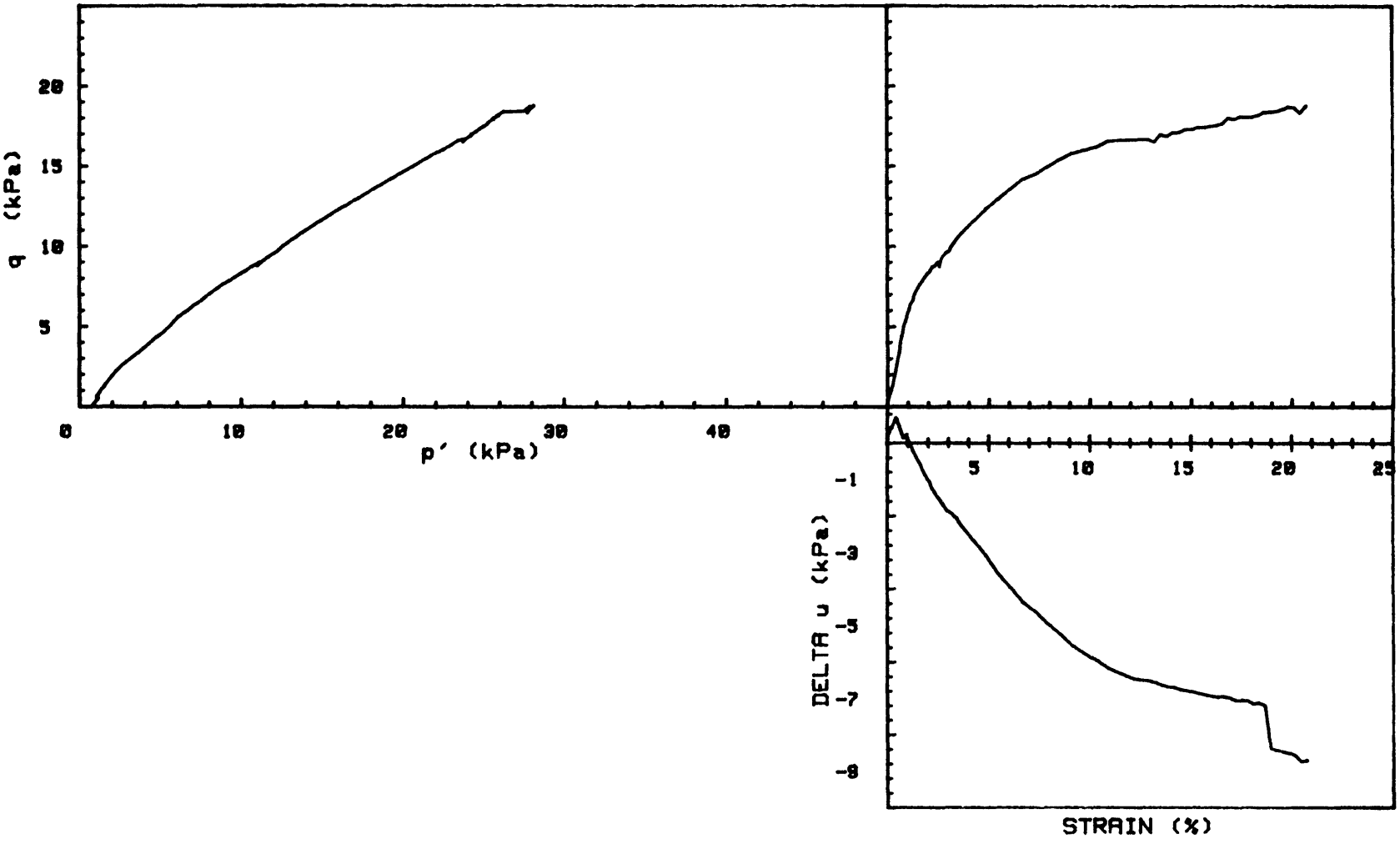


CRUISE KK1-81-HW		INCREMENT (cm)	211-220
CORE NO. 6G		TEST NO.	TE55
SIG1c´(kPa)	112.9		
SIG3c´(kPa)	112.9		
INDUCED OCR	3.1		



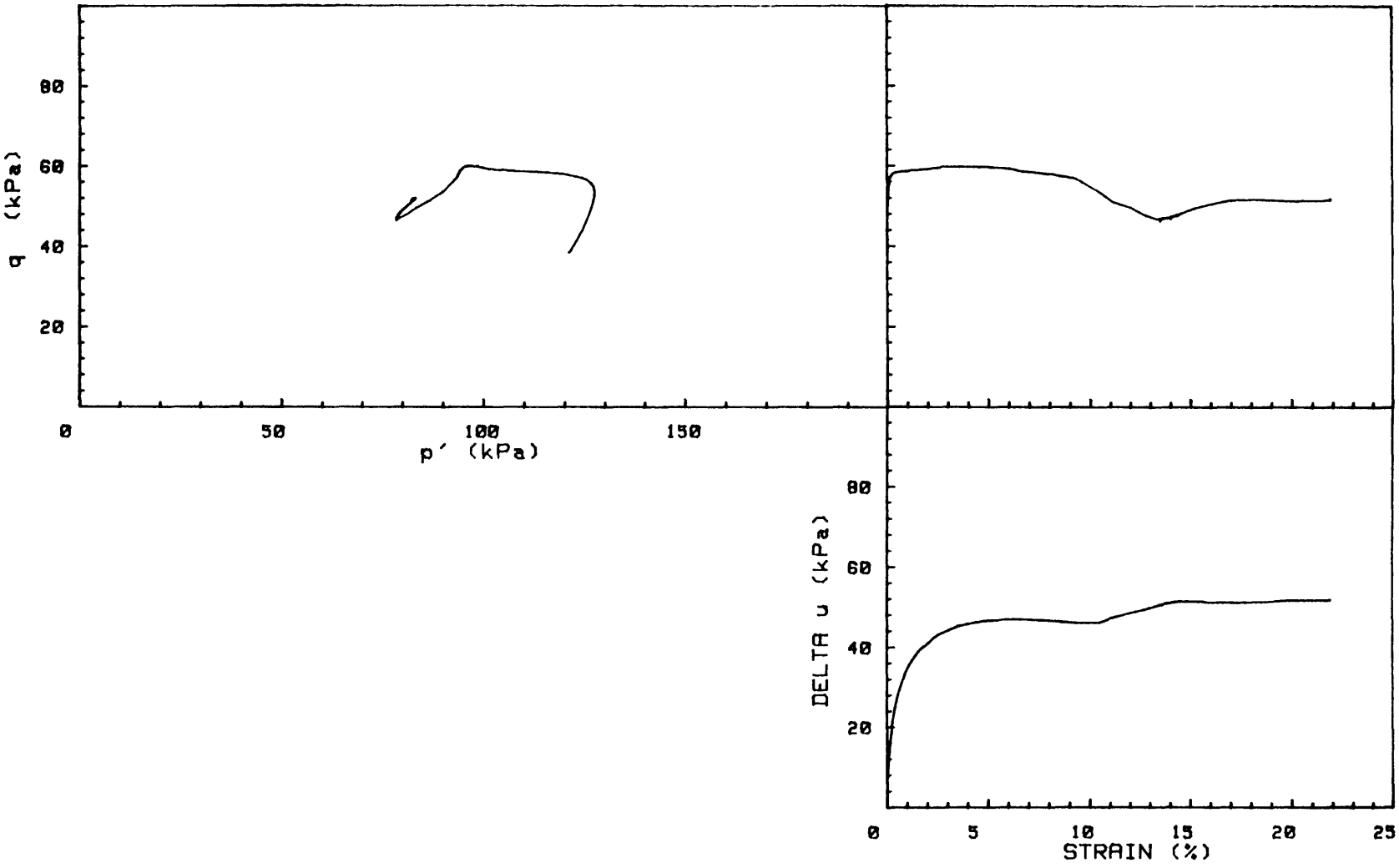
CRUISE KK1-81-HW		INCREMENT (cm)	249-257
CORE NO.	6G	TEST NO.	TE51

SIG1c'(kPa)	417.2
SIG3c'(kPa)	196.8
INDUCED OCR	1.0



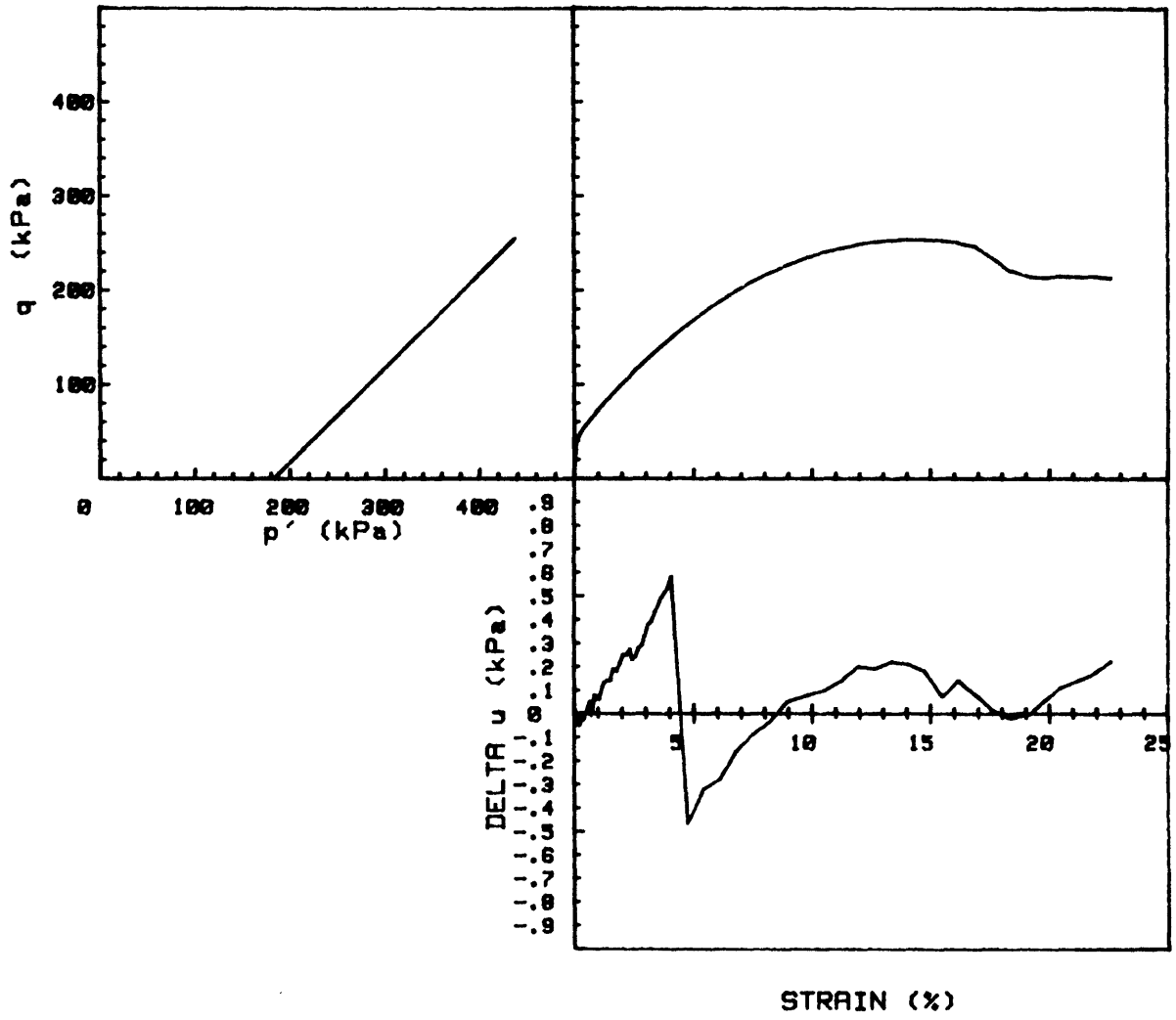
CRUISE KK1-81-HW		INCREMENT (cm)	85-94
CORE NO.	8G	TEST NO.	TE14

SIG1c'(kPa)	.7
SIG3c'(kPa)	.7
INDUCED OCR	1.0

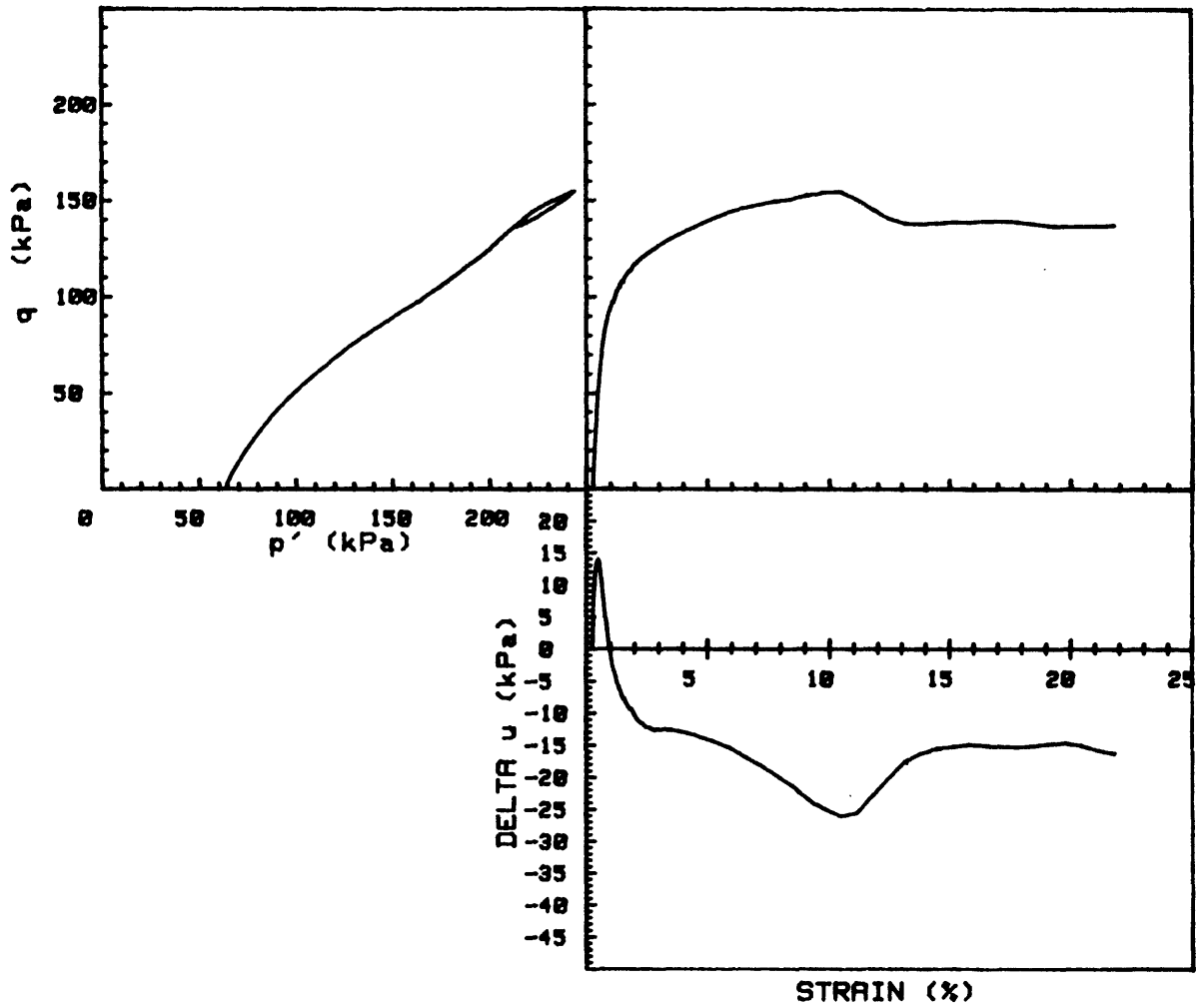


CRUISE KK1-81-HW		INCREMENT (cm)	171-180
CORE NO.	8G	TEST NO.	TE48

SIG1c'(kPa)	159.5
SIG3c'(kPa)	82.9
INDUCED OCR	1.0

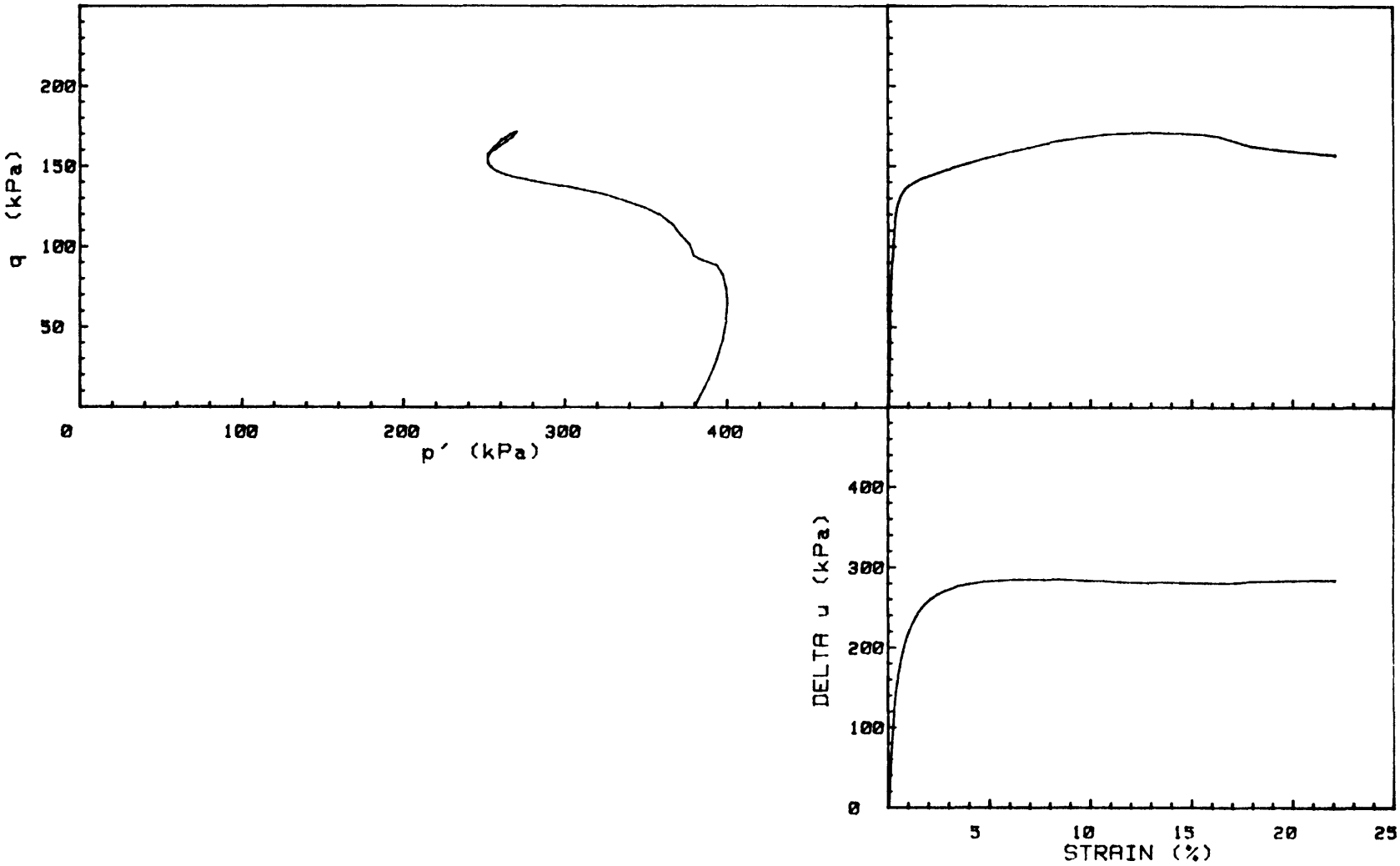


CRUISE KK1-81-HW		INCREMENT (cm)	201-209
CORE NO.	8G	TEST NO.	TE54
SIG1c´(kPa)	183.9		
SIG3c´(kPa)	183.9		
INDUCED OCR	1.0		



CRUISE KK1-81-HW		INCREMENT (cm)	217-226
CORE NO.	8G	TEST NO.	TE25

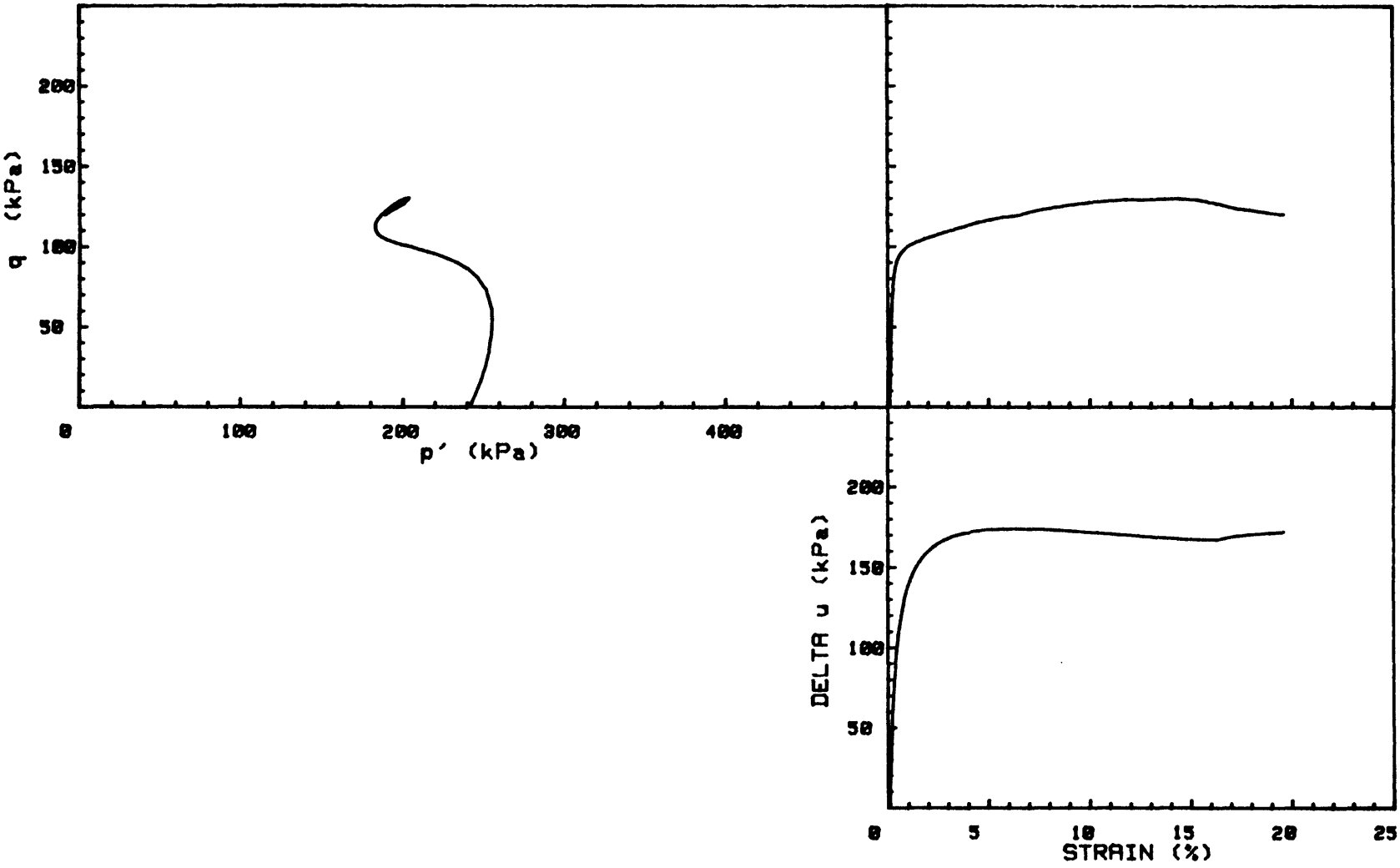
SIG1c'(kPa)	63.1
SIG3c'(kPa)	63.1
INDUCED OCR	6.0



CRUISE KK1-81-HW		INCREMENT (cm)	318-326
CORE NO.	8G	TEST NO.	TE37

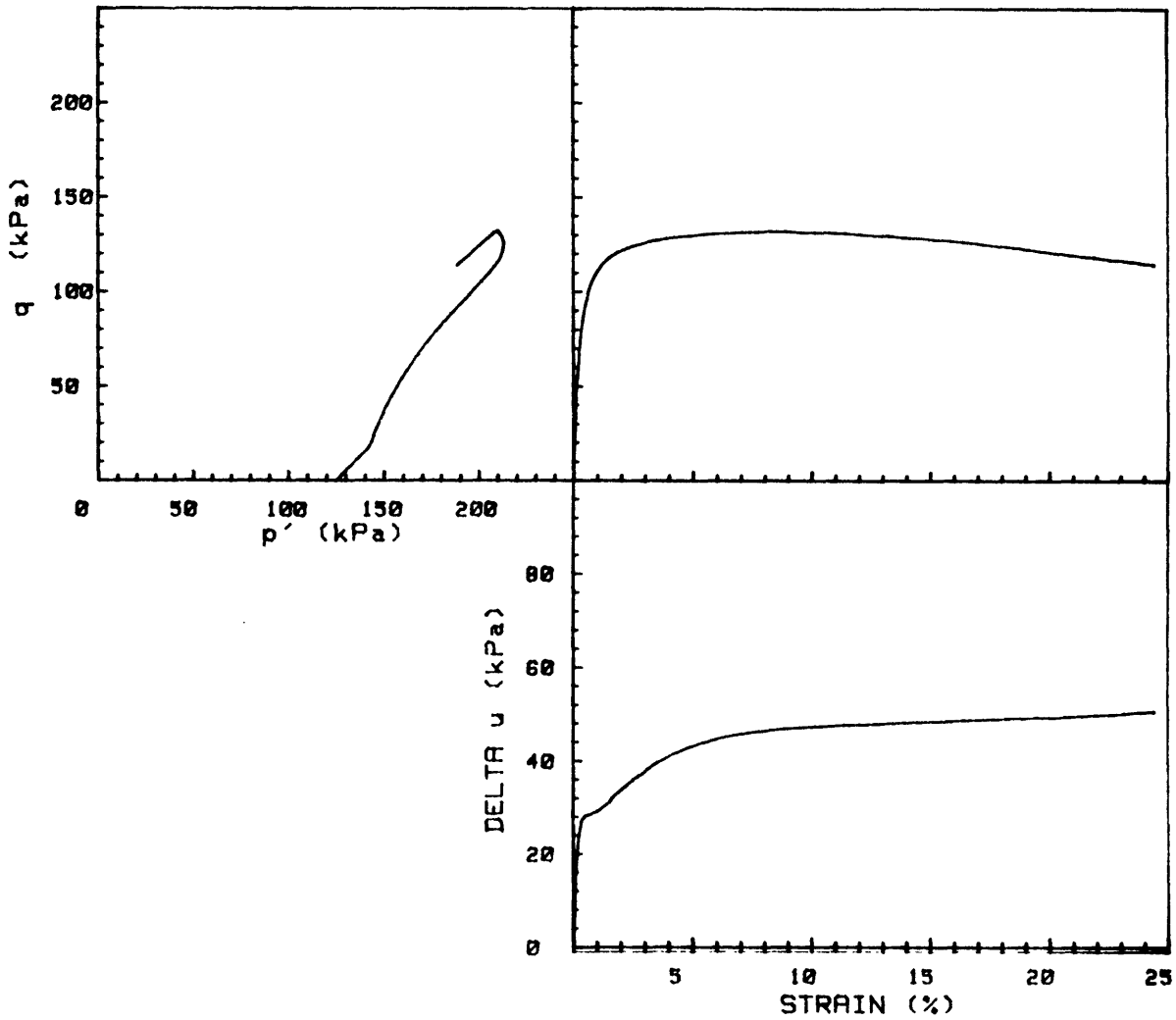
SIG1c'(kPa)	380.0
SIG3c'(kPa)	380.0
INDUCED OCR	1.0

S11

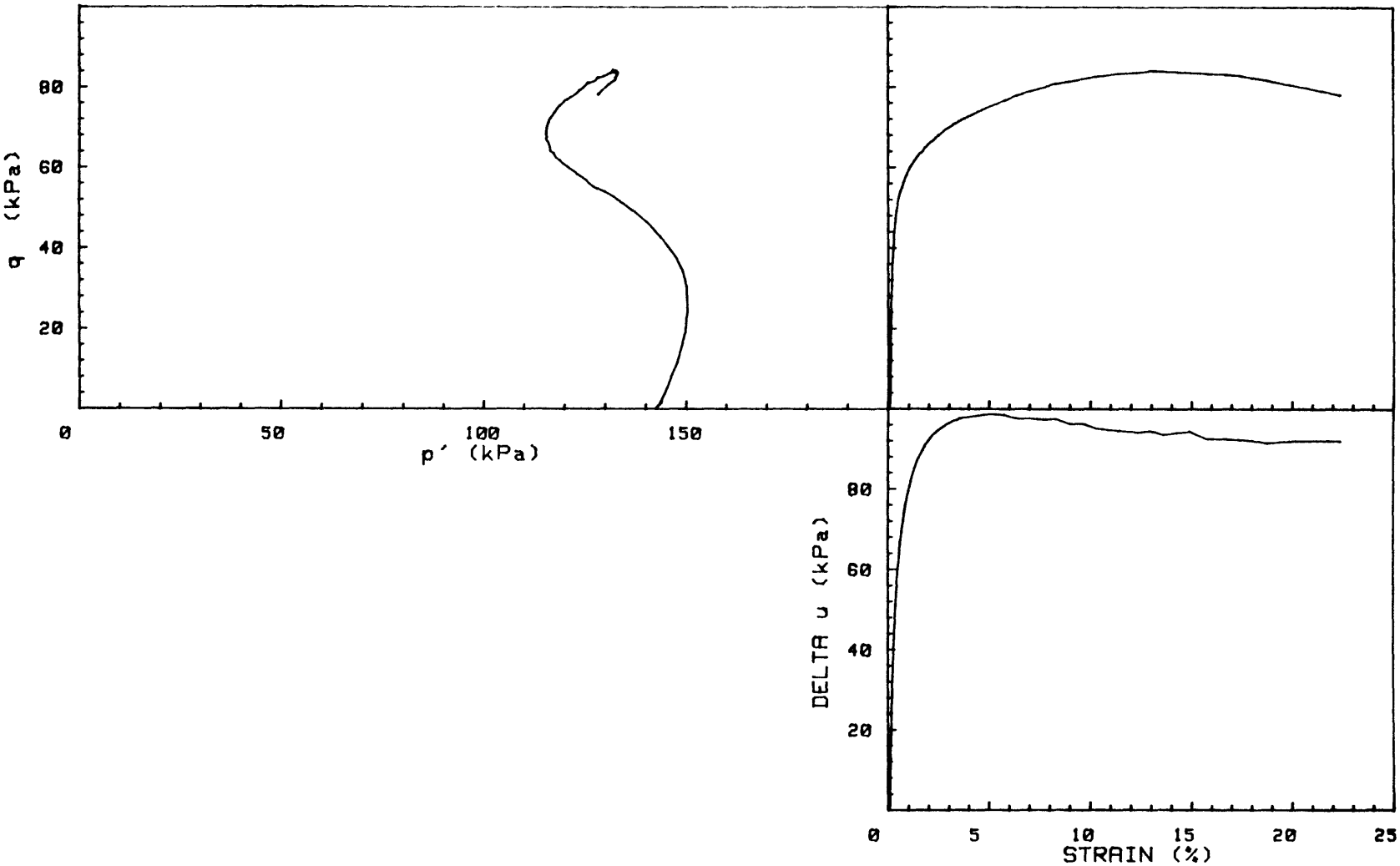


CRUISE KK1-81-HW		INCREMENT (cm)	332-341
CORE NO.	8G	TEST NO.	TE24

SIG1c'(kPa)	242.1
SIG3c'(kPa)	242.1
INDUCED OCR	1.0



CRUISE KK1-81-HW		INCREMENT (cm)	353-362
CORE NO. 8G		TEST NO.	TE26
SIG1c´(kPa)	125.1		
SIG3c´(kPa)	125.1		
INDUCED OCR	3.0		



CRUISE KK1-81-HW		INCREMENT (cm)	365-374
CORE NO.	8G	TEST NO.	TE36

SIG1c'(kPa)	142.5
SIG3c'(kPa)	142.5
INDUCED OCR	1.0

8//

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....1G

CORE INCREMENT.....90-99 cm

TEST NUMBER.....TE31

FINAL LATERAL CONSOLIDATION STRESS .444 kPa

INDUCED OCR..... 1

LOAD ZERO FACTOR..... .97378422 Kg

TRANSDUCER ZERO FACTOR.....-.4 kPa

LVDT ZERO FACTOR..... .83404 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	344.26	0.00	.44	.44	0.00	1.00	0.00	.44
0.00	344.26	0.00	-.64	.44	-1.08	-1.43	-.54	-.10
.00	344.23	-.03	-.55	.48	-1.02	-1.15	-.51	-.04
.01	344.25	-.00	1.27	.45	.83	2.84	.41	.86
.02	344.21	-.05	1.38	.50	.88	2.78	.44	.94
.04	344.31	.05	1.31	.39	.92	3.37	.46	.85
.05	344.32	.06	1.41	.39	1.03	3.66	.51	.90
.07	344.17	-.08	1.36	.53	.84	2.59	.42	.95
.09	344.19	-.07	1.49	.51	.97	2.90	.49	1.00
.10	344.31	.05	1.43	.40	1.04	3.62	.52	.91
.12	344.21	-.05	1.57	.49	1.08	3.19	.54	1.03
.13	344.24	-.01	1.61	.46	1.15	3.51	.57	1.03
.15	344.20	-.05	1.52	.50	1.02	3.06	.51	1.01
.16	344.24	-.01	1.44	.46	.98	3.14	.49	.95
.18	344.23	-.02	1.47	.47	1.00	3.15	.50	.97
.20	344.22	-.03	1.48	.48	1.01	3.11	.50	.98
.21	344.25	-.00	1.44	.45	.99	3.21	.50	.94
.23	344.24	-.02	1.38	.46	.92	2.98	.46	.92
.24	344.29	.04	1.36	.41	.95	3.34	.48	.88
.26	344.20	-.06	1.40	.50	.90	2.80	.45	.95
.27	344.32	.06	1.37	.38	.99	3.59	.49	.87
.29	344.23	-.03	1.52	.47	1.05	3.21	.52	1.00
.31	344.25	-.01	1.46	.45	1.01	3.24	.51	.96
.32	344.24	-.01	1.46	.46	1.01	3.20	.50	.96
.34	344.32	.06	1.46	.38	1.08	3.82	.54	.92
.35	344.25	-.00	1.54	.45	1.09	3.45	.55	.99
.37	344.24	-.02	1.62	.46	1.15	3.48	.58	1.04
.39	344.24	-.01	1.57	.46	1.11	3.43	.56	1.01
.40	344.25	-.01	1.57	.45	1.12	3.46	.56	1.01
.42	344.23	-.03	1.70	.47	1.23	3.59	.61	1.09
.43	344.19	-.07	1.67	.51	1.16	3.28	.58	1.09
.45	344.24	-.02	1.61	.46	1.15	3.49	.58	1.04
.47	344.22	-.04	1.65	.48	1.17	3.44	.59	1.07
.48	344.27	.01	1.98	.43	1.55	4.58	.77	1.21
.50	344.25	-.01	2.12	.45	1.67	4.70	.83	1.28
.51	344.25	-.01	2.53	.45	2.08	5.61	1.04	1.49
.53	344.26	.00	2.78	.44	2.34	6.30	1.17	1.61
.54	344.31	.05	2.86	.39	2.47	7.28	1.23	1.63
.56	344.29	.04	3.12	.41	2.71	7.68	1.36	1.76
.58	344.28	.03	3.28	.42	2.86	7.85	1.43	1.85
.59	344.30	.04	3.38	.41	2.98	8.36	1.49	1.89
.61	344.30	.04	3.52	.40	3.11	8.73	1.56	1.96
.62	344.36	.11	3.68	.34	3.34	10.84	1.67	2.01
.64	344.33	.07	3.84	.37	3.47	10.37	1.73	2.10
.66	344.26	.00	4.02	.44	3.57	9.11	1.79	2.23
.67	344.29	.03	4.09	.41	3.68	9.91	1.84	2.25
.69	344.34	.08	4.22	.36	3.85	11.61	1.93	2.29
.70	344.36	.10	4.24	.34	3.90	12.33	1.95	2.29
.72	344.32	.06	4.40	.38	4.02	11.46	2.01	2.39
.73	344.41	.15	4.54	.29	4.24	15.43	2.12	2.42
.75	344.34	.09	4.81	.36	4.46	13.52	2.23	2.58
.78	344.36	.11	5.00	.34	4.66	14.88	2.33	2.67
.81	344.28	.03	5.23	.42	4.81	12.48	2.41	2.82
.85	344.37	.11	5.30	.33	4.97	15.91	2.48	2.82

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
.88	344.31	.05	5.50	.39	5.11	14.03	2.55	2.95
.92	344.34	.08	5.65	.36	5.29	15.69	2.64	3.00
.98	344.31	.05	6.16	.39	5.77	15.75	2.88	3.27
1.00	344.34	.09	6.10	.36	5.74	17.03	2.87	3.23
1.04	344.29	.03	6.33	.41	5.92	15.39	2.96	3.37
1.10	344.32	.07	6.56	.38	6.18	17.45	3.09	3.47
1.16	344.32	.06	6.90	.38	6.51	18.10	3.26	3.64
1.23	344.35	.10	7.03	.35	6.68	20.32	3.34	3.69
1.29	344.31	.05	7.38	.40	6.99	18.69	3.49	3.89
1.35	344.36	.10	7.44	.34	7.10	21.63	3.55	3.89
1.42	344.25	-.00	7.71	.45	7.26	17.24	3.63	4.08
1.48	344.33	.07	7.96	.38	7.58	21.21	3.79	4.17
1.54	344.34	.09	8.09	.36	7.73	22.65	3.86	4.22
1.61	344.18	-.07	8.43	.52	7.91	16.27	3.95	4.47
1.67	344.28	.02	8.41	.42	7.99	20.03	4.00	4.42
1.73	344.28	.03	8.57	.42	8.15	20.55	4.08	4.49
1.80	344.18	-.07	8.85	.52	8.33	17.15	4.17	4.68
1.86	344.29	.03	8.82	.41	8.40	21.40	4.20	4.61
1.92	344.18	-.07	9.06	.52	8.54	17.49	4.27	4.79
1.99	344.25	-.01	9.18	.45	8.73	20.40	4.37	4.82
2.05	344.29	.03	9.17	.41	8.76	22.25	4.38	4.79
2.10	344.24	-.01	9.28	.46	8.82	20.30	4.41	4.87
2.12	344.15	-.11	9.39	.55	8.84	17.04	4.42	4.97
2.24	344.26	.01	9.44	.44	9.00	21.49	4.50	4.94
2.37	344.23	-.02	9.61	.47	9.14	20.54	4.57	5.04
2.50	344.13	-.13	9.87	.57	9.30	17.31	4.65	5.22
2.62	344.09	-.16	9.83	.61	9.23	16.18	4.61	5.22
2.75	344.00	-.26	10.11	.71	9.41	14.34	4.70	5.41
2.88	344.06	-.20	10.09	.64	9.45	15.76	4.72	5.36
3.01	344.01	-.25	10.24	.69	9.55	14.76	4.78	5.47
3.13	344.00	-.26	10.40	.70	9.70	14.86	4.85	5.55
3.26	343.97	-.29	10.15	.73	9.42	13.92	4.71	5.44
3.39	344.03	-.23	10.13	.67	9.46	15.14	4.73	5.40
3.53	343.91	-.35	10.42	.79	9.63	13.15	4.81	5.61
3.66	343.91	-.34	10.69	.79	9.91	13.57	4.95	5.74
3.79	343.90	-.35	10.92	.80	10.12	13.68	5.06	5.86
3.92	343.86	-.39	10.84	.84	10.01	12.96	5.00	5.84
4.05	343.82	-.44	10.96	.88	10.08	12.45	5.04	5.92
4.18	343.87	-.39	11.16	.83	10.33	13.45	5.17	6.00
4.31	343.84	-.42	11.21	.86	10.35	13.05	5.18	6.03
4.43	343.80	-.46	11.06	.90	10.16	12.25	5.08	5.98
4.56	343.73	-.53	11.43	.97	10.46	11.80	5.23	6.20
4.69	343.67	-.59	11.59	1.03	10.56	11.25	5.28	6.31
4.82	343.65	-.61	11.52	1.05	10.47	10.95	5.23	6.29
4.95	343.61	-.65	11.59	1.10	10.49	10.58	5.25	6.34
5.08	343.65	-.60	11.76	1.05	10.71	11.22	5.35	6.40
5.21	343.38	-.88	12.03	1.32	10.70	9.08	5.35	6.68
5.29	343.64	-.62	11.75	1.06	10.68	11.04	5.34	6.41
5.42	343.56	-.70	12.03	1.15	10.88	10.50	5.44	6.59
5.55	343.54	-.72	12.20	1.16	11.04	10.48	5.52	6.68
5.68	343.59	-.66	12.18	1.11	11.07	11.01	5.54	6.64
5.81	343.48	-.78	12.32	1.22	11.10	10.11	5.55	6.77
5.94	343.48	-.77	12.19	1.22	10.97	10.01	5.48	6.70
6.07	343.42	-.83	12.42	1.28	11.14	9.72	5.57	6.85

STRN (%)	U (kPa)	DELU (kPa)	SIG1′ (kPa)	SIG3′ (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
6.20	343.53	-.73	12.34	1.17	11.17	10.51	5.58	6.76
6.33	343.39	-.87	12.36	1.31	11.05	9.44	5.53	6.84
6.99	343.35	-.91	12.44	1.35	11.09	9.21	5.54	6.89
7.64	343.37	-.89	12.80	1.34	11.47	9.59	5.73	7.07
8.29	343.34	-.92	13.13	1.37	11.77	9.62	5.88	7.25
8.93	343.21	-1.05	13.13	1.49	11.64	8.79	5.82	7.31
9.58	343.18	-1.07	13.35	1.52	11.84	8.81	5.92	7.43
10.24	343.21	-1.05	13.47	1.49	11.98	9.02	5.99	7.48
10.88	343.28	-.98	14.17	1.43	12.74	9.94	6.37	7.80
11.53	343.19	-1.07	14.45	1.51	12.94	9.55	6.47	7.98
12.19	343.09	-1.17	14.50	1.61	12.89	9.01	6.45	8.06
12.84	343.15	-1.10	14.73	1.55	13.18	9.53	6.59	8.14
13.50	343.09	-1.16	14.64	1.61	13.03	9.10	6.52	8.12
14.15	343.12	-1.14	14.68	1.58	13.10	9.29	6.55	8.13
14.81	343.15	-1.11	14.71	1.56	13.15	9.46	6.58	8.13
15.46	343.10	-1.16	14.75	1.60	13.15	9.23	6.58	8.18
16.11	343.07	-1.18	14.63	1.63	13.00	8.98	6.50	8.13
16.75	343.12	-1.14	14.10	1.58	12.52	8.90	6.26	7.84
17.41	343.15	-1.10	14.07	1.55	12.52	9.09	6.26	7.81
18.05	343.06	-1.19	14.47	1.64	12.83	8.84	6.42	8.05
18.71	343.01	-1.25	14.83	1.69	13.14	8.77	6.57	8.26
19.36	342.99	-1.27	15.06	1.71	13.35	8.81	6.68	8.39
20.01	343.03	-1.23	14.46	1.67	12.79	8.64	6.39	8.07
20.30	343.03	-1.22	14.86	1.67	13.19	8.91	6.60	8.26
20.34	343.00	-1.26	14.81	1.70	13.11	8.71	6.55	8.25

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....1G

CORE INCREMENT.....129-138 cm

TEST NUMBER.....TE40

FINAL LATERAL CONSOLIDATION STRESS 118.21 kPa

INDUCED OCR..... 3

LOAD ZERO FACTOR.....-.45901378 Kg

TRANSDUCER ZERO FACTOR.....-.6 kPa

LVDT ZERO FACTOR..... .34942 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	-3.51	0.00	118.21	118.21	0.00	1.00	0.00	118.21
.01	-3.45	.06	118.30	118.15	.15	1.00	.07	118.22
.03	-3.44	.07	118.40	118.14	.26	1.00	.13	118.27
.04	-3.41	.10	118.31	118.11	.20	1.00	.10	118.21
.06	-3.39	.12	118.57	118.09	.48	1.00	.24	118.33
.08	-3.37	.14	118.43	118.07	.36	1.00	.18	118.25
.09	-3.32	.19	118.50	118.02	.48	1.00	.24	118.26
.11	-3.28	.23	118.64	117.98	.66	1.01	.33	118.31
.13	-3.27	.24	119.36	117.97	1.39	1.01	.69	118.67
.16	-3.00	.51	127.08	117.70	9.38	1.08	4.69	122.39
.18	-2.53	.98	136.89	117.23	19.66	1.17	9.83	127.06
.21	-2.04	1.47	145.73	116.74	28.99	1.25	14.49	131.23
.23	-1.50	2.01	154.02	116.20	37.82	1.33	18.91	135.11
.25	-.89	2.62	164.37	115.59	48.78	1.42	24.39	139.98
.28	-.18	3.33	176.29	114.88	61.41	1.53	30.70	145.58
.33	1.54	5.05	202.97	113.16	89.81	1.79	44.91	158.07
.37	2.36	5.87	216.86	112.34	104.52	1.93	52.26	164.60
.38	2.68	6.19	221.93	112.02	109.91	1.98	54.95	166.97
.44	3.76	7.27	240.08	110.94	129.14	2.16	64.57	175.51
.50	4.71	8.22	254.50	109.99	144.51	2.31	72.26	182.25
.56	5.53	9.04	264.53	109.17	155.37	2.42	77.68	186.85
.62	6.16	9.67	272.79	108.55	164.25	2.51	82.12	190.67
.69	6.81	10.32	279.32	107.89	171.43	2.59	85.72	193.60
.75	7.47	10.98	284.27	107.23	177.05	2.65	88.52	195.75
.82	8.08	11.59	288.09	106.62	181.47	2.70	90.73	197.36
.88	8.67	12.18	290.37	106.03	184.34	2.74	92.17	198.20
.96	9.26	12.77	289.85	105.44	184.42	2.75	92.21	197.65
1.03	9.91	13.42	292.28	104.79	187.49	2.79	93.75	198.54
1.09	10.56	14.07	296.30	104.14	192.16	2.85	96.08	200.22
1.15	11.24	14.75	297.93	103.46	194.47	2.88	97.24	200.70
1.22	11.94	15.45	299.27	102.76	196.51	2.91	98.26	201.02
1.35	13.24	16.75	300.99	101.46	199.53	2.97	99.76	201.23
1.48	14.61	18.12	302.32	100.09	202.24	3.02	101.12	201.21
1.62	15.93	19.44	303.29	98.77	204.51	3.07	102.26	201.03
1.75	17.28	20.79	304.16	97.42	206.74	3.12	103.37	200.79
1.89	18.54	22.05	304.88	96.16	208.72	3.17	104.36	200.52
2.02	19.82	23.33	304.98	94.88	210.10	3.21	105.05	199.93
2.15	21.04	24.55	305.24	93.66	211.57	3.26	105.79	199.45
2.29	22.15	25.66	305.41	92.55	212.86	3.30	106.43	198.98
2.42	23.26	26.77	305.55	91.44	214.11	3.34	107.06	198.49
2.56	24.36	27.87	305.56	90.34	215.22	3.38	107.61	197.95
2.69	25.40	28.91	305.79	89.30	216.49	3.42	108.24	197.54
2.82	26.39	29.90	305.88	88.32	217.56	3.46	108.78	197.10
2.96	27.40	30.91	305.87	87.30	218.57	3.50	109.29	196.59
3.09	28.29	31.80	305.73	86.41	219.32	3.54	109.66	196.07
3.22	29.19	32.70	305.84	85.52	220.32	3.58	110.16	195.68
3.36	30.09	33.60	305.70	84.61	221.09	3.61	110.55	195.16
3.49	30.91	34.42	305.61	83.79	221.83	3.65	110.91	194.70
3.62	31.65	35.16	305.62	83.05	222.57	3.68	111.29	194.33
3.76	32.44	35.95	305.54	82.26	223.28	3.71	111.64	193.90
3.89	33.09	36.60	305.55	81.61	223.95	3.74	111.97	193.58
4.55	36.45	39.96	304.54	78.25	226.29	3.89	113.14	191.39
5.22	38.86	42.37	304.94	75.84	229.10	4.02	114.55	190.39
5.95	40.80	44.31	304.70	73.90	230.80	4.12	115.40	189.30

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
6.63	42.16	45.67	305.11	72.54	232.57	4.21	116.28	188.83
7.44	43.27	46.78	307.48	71.43	236.05	4.30	118.03	189.45
8.00	43.83	47.34	309.66	70.87	238.79	4.37	119.40	190.27
8.72	44.22	47.73	312.76	70.48	242.28	4.44	121.14	191.62
9.37	44.39	47.90	315.76	70.31	245.44	4.49	122.72	193.04
9.84	44.36	47.87	317.69	70.34	247.36	4.52	123.68	194.02
9.85	44.37	47.88	317.70	70.33	247.37	4.52	123.68	194.02
10.31	44.09	47.60	320.94	70.61	250.33	4.55	125.16	195.78
10.33	44.11	47.62	320.89	70.59	250.30	4.55	125.15	195.74
10.66	44.04	47.55	323.02	70.67	252.35	4.57	126.18	196.84
11.33	44.06	47.57	325.85	70.64	255.21	4.61	127.61	198.25
11.34	44.04	47.55	326.06	70.67	255.39	4.61	127.70	198.36
12.02	43.87	47.38	327.42	70.83	256.59	4.62	128.29	199.12
12.69	43.62	47.13	329.37	71.08	258.28	4.63	129.14	200.23
13.37	43.39	46.90	331.79	71.32	260.48	4.65	130.24	201.55
14.04	43.14	46.65	333.87	71.56	262.32	4.67	131.16	202.72
14.67	42.89	46.40	331.33	71.81	259.52	4.61	129.76	201.57
14.72	42.85	46.36	330.96	71.85	259.12	4.61	129.56	201.41
14.72	42.86	46.37	331.13	71.84	259.29	4.61	129.64	201.49
14.83	42.84	46.35	329.90	71.87	258.03	4.59	129.02	200.88
15.40	42.91	46.42	323.69	71.80	251.90	4.51	125.95	197.75
16.08	43.52	47.03	316.37	71.18	245.19	4.44	122.60	193.78
16.75	44.31	47.82	313.33	70.39	242.94	4.45	121.47	191.86
17.42	44.77	48.28	310.74	69.93	240.81	4.44	120.41	190.33
18.10	45.11	48.62	309.56	69.59	239.97	4.45	119.98	189.58
18.78	45.24	48.75	308.11	69.46	238.65	4.44	119.32	188.78
19.46	45.36	48.87	307.39	69.34	238.05	4.43	119.03	188.37
20.15	45.41	48.92	307.52	69.29	238.22	4.44	119.11	188.41
20.83	45.27	48.78	307.78	69.43	238.35	4.43	119.17	188.61
21.52	45.12	48.63	306.81	69.58	237.23	4.41	118.62	188.20
22.21	45.05	48.56	305.02	69.65	235.37	4.38	117.69	187.34
22.71	45.10	48.61	303.72	69.60	234.11	4.36	117.06	186.66
22.90	45.08	48.59	304.01	69.62	234.39	4.37	117.20	186.81
23.58	45.01	48.52	301.69	69.69	232.01	4.33	116.00	185.69

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK81-HW

CORE NUMBER.....1G

CORE INCREMENT.....148-157 cm

TEST NUMBER.....TE41

FINAL LATERAL CONSOLIDATION STRESS 58.19 kPa

INDUCED OCR..... 6.00

LOAD ZERO FACTOR.....-.70 Kg

TRANSDUCER ZERO FACTOR.....-1.30 kPa

LVDT ZERO FACTOR..... .40 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	.51	0.00	58.19	58.19	0.00	1.00	0.00	58.19
.01	2.02	1.51	62.89	56.68	6.20	1.11	3.10	59.79
.02	4.56	4.05	68.40	54.14	14.26	1.26	7.13	61.27
.03	6.43	5.92	73.92	52.27	21.65	1.41	10.83	63.10
.05	8.37	7.86	78.77	50.33	28.44	1.57	14.22	64.55
.06	9.81	9.30	83.65	48.89	34.76	1.71	17.38	66.27
.07	11.06	10.55	87.69	47.64	40.05	1.84	20.02	67.66
.09	11.91	11.41	91.65	46.79	44.86	1.96	22.43	69.22
.10	12.58	12.07	95.21	46.12	49.09	2.06	24.54	70.67
.12	13.03	12.52	98.81	45.67	53.14	2.16	26.57	72.24
.13	13.48	12.97	101.90	45.22	56.68	2.25	28.34	73.56
.16	14.06	13.56	108.52	44.64	63.88	2.43	31.94	76.58
.19	14.80	14.29	114.64	43.90	70.74	2.61	35.37	79.27
.22	14.98	14.47	120.82	43.72	77.11	2.76	38.55	82.27
.24	15.36	14.85	126.77	43.34	83.43	2.93	41.71	85.05
.27	15.58	15.07	132.61	43.12	89.48	3.08	44.74	87.86
.34	15.31	14.80	143.92	43.39	100.52	3.32	50.26	93.65
.40	14.73	14.22	154.23	43.97	110.26	3.51	55.13	99.10
.46	13.88	13.37	163.60	44.82	118.78	3.65	59.39	104.21
.52	13.20	12.69	172.01	45.50	126.51	3.78	63.26	108.76
.59	12.20	11.69	179.70	46.50	133.20	3.86	66.60	113.10
.65	11.25	10.74	186.13	47.45	138.68	3.92	69.34	116.79
.72	10.31	9.80	192.03	48.40	143.64	3.97	71.82	120.21
.78	9.43	8.92	197.45	49.27	148.18	4.01	74.09	123.36
.85	8.70	8.19	201.96	50.00	151.96	4.04	75.98	125.98
.91	8.02	7.51	206.15	50.68	155.47	4.07	77.73	128.41
.98	7.27	6.76	209.85	51.43	158.42	4.08	79.21	130.64
1.05	6.77	6.26	212.70	51.93	160.77	4.10	80.38	132.32
1.11	6.31	5.81	215.84	52.39	163.45	4.12	81.73	134.11
1.18	5.64	5.14	218.70	53.06	165.65	4.12	82.82	135.88
1.25	5.34	4.83	221.03	53.36	167.67	4.14	83.84	137.20
1.31	4.84	4.33	223.42	53.86	169.56	4.15	84.78	138.64
1.38	4.65	4.14	225.57	54.05	171.52	4.17	85.76	139.81
1.45	4.29	3.78	227.51	54.41	173.10	4.18	86.55	140.96
1.51	3.95	3.44	229.45	54.75	174.70	4.19	87.35	142.10
1.58	3.77	3.26	231.28	54.93	176.35	4.21	88.17	143.10
1.71	3.23	2.72	234.41	55.47	178.94	4.23	89.47	144.94
1.85	3.03	2.52	237.37	55.67	181.70	4.26	90.85	146.52
1.98	2.82	2.32	239.89	55.88	184.01	4.29	92.01	147.88
2.11	2.70	2.20	242.30	56.00	186.30	4.33	93.15	149.15
2.25	2.41	1.90	244.81	56.29	188.51	4.35	94.26	150.55
2.38	2.24	1.73	246.62	56.46	190.16	4.37	95.08	151.54
2.51	2.17	1.66	248.68	56.53	192.15	4.40	96.07	152.60
2.65	2.04	1.54	250.64	56.66	193.98	4.42	96.99	153.65
2.78	1.93	1.42	252.37	56.77	195.60	4.45	97.80	154.57
2.91	1.88	1.37	253.98	56.82	197.16	4.47	98.58	155.40
3.05	1.86	1.35	255.79	56.84	198.95	4.50	99.47	156.32
3.18	1.86	1.36	257.45	56.84	200.61	4.53	100.31	157.14
3.31	1.75	1.24	259.11	56.96	202.16	4.55	101.08	158.03
3.45	1.66	1.15	260.46	57.05	203.42	4.57	101.71	158.76
3.58	1.93	1.42	261.86	56.78	205.09	4.61	102.55	159.32
3.71	1.82	1.31	262.94	56.88	206.06	4.62	103.03	159.91
3.84	1.47	.96	264.98	57.23	207.75	4.63	103.87	161.10
3.97	1.86	1.35	265.88	56.84	209.04	4.68	104.52	161.36

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
4.11	1.94	1.43	267.23	56.76	210.46	4.71	105.23	162.00
4.24	1.62	1.12	268.94	57.08	211.87	4.71	105.93	163.01
4.37	1.59	1.08	270.16	57.11	213.05	4.73	106.52	163.64
4.50	1.68	1.17	271.26	57.02	214.24	4.76	107.12	164.14
4.63	1.56	1.05	272.65	57.14	215.51	4.77	107.76	164.90
4.76	1.63	1.12	273.60	57.07	216.53	4.79	108.26	165.34
4.90	1.70	1.19	274.63	57.00	217.63	4.82	108.82	165.81
5.03	1.55	1.04	276.07	57.15	218.92	4.83	109.46	166.61
5.16	1.49	.98	277.20	57.21	219.99	4.84	109.99	167.21
5.29	1.50	.99	278.39	57.20	221.19	4.87	110.60	167.80
5.42	1.46	.95	279.34	57.24	222.10	4.88	111.05	168.29
5.55	1.60	1.09	280.30	57.10	223.20	4.91	111.60	168.70
5.68	1.35	.84	281.74	57.35	224.39	4.91	112.19	169.54
5.81	1.34	.83	282.14	57.36	224.78	4.92	112.39	169.75
5.95	1.14	.63	283.59	57.56	226.03	4.93	113.01	170.57
6.08	1.20	.69	284.38	57.50	226.88	4.95	113.44	170.94
6.21	1.10	.59	285.42	57.60	227.82	4.96	113.91	171.51
6.28	1.09	.58	285.90	57.61	228.29	4.96	114.14	171.75
6.94	.96	.45	290.98	57.75	233.23	5.04	116.62	174.36
7.61	.25	-.26	295.90	58.45	237.45	5.06	118.72	177.18
8.28	.01	-.49	300.23	58.69	241.55	5.12	120.77	179.46
8.95	-.50	-1.01	304.14	59.20	244.94	5.14	122.47	181.67
9.62	-1.05	-1.56	307.31	59.75	247.56	5.14	123.78	183.53
10.29	-1.73	-2.24	311.19	60.43	250.77	5.15	125.38	185.81
10.95	-2.27	-2.78	314.64	60.97	253.66	5.16	126.83	187.81
11.61	-2.86	-3.37	317.60	61.56	256.04	5.16	128.02	189.58
12.27	-3.42	-3.93	320.04	62.12	257.92	5.15	128.96	191.08
12.93	-4.25	-4.76	322.31	62.95	259.36	5.12	129.68	192.63
13.59	-4.85	-5.36	324.45	63.55	260.89	5.11	130.45	194.00
14.26	-5.30	-5.81	326.04	64.00	262.04	5.09	131.02	195.02
14.92	-5.99	-6.49	326.95	64.69	262.27	5.05	131.13	195.82
15.28	-6.42	-6.93	327.46	65.12	262.34	5.03	131.17	196.29
15.58	-6.42	-6.92	327.28	65.12	262.16	5.03	131.08	196.20
16.24	-6.82	-7.33	326.93	65.52	261.40	4.99	130.70	196.23
16.92	-7.29	-7.80	325.83	65.99	259.84	4.94	129.92	195.91
17.58	-7.35	-7.86	324.79	66.05	258.74	4.92	129.37	195.42
21.57	-6.94	-7.45	319.10	65.64	253.46	4.86	126.73	192.37
21.61	-6.94	-7.44	319.12	65.64	253.48	4.86	126.74	192.38
22.29	-7.17	-7.68	318.69	65.87	252.82	4.84	126.41	192.28
22.96	-7.46	-7.96	318.00	66.16	251.84	4.81	125.92	192.08
23.64	-7.57	-8.07	317.44	66.27	251.18	4.79	125.59	191.85

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....1G

CORE INCREMENT.....159-168 cm

TEST NUMBER.....TE42

FINAL LATERAL CONSOLIDATION STRESS 355.94 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR..... .66 Kg

TRANSDUCER ZERO FACTOR..... 3.50 kPa

LVDT ZERO FACTOR..... .52 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	138.16	0.00	355.94	355.94	0.00	1.00	0.00	355.94
.00	138.23	.07	356.01	355.87	.14	1.00	.07	355.94
.00	138.35	.19	357.00	355.75	1.25	1.00	.62	356.37
.02	138.46	.30	356.98	355.64	1.34	1.00	.67	356.31
.03	138.48	.32	356.93	355.62	1.31	1.00	.65	356.27
.05	138.45	.29	356.94	355.65	1.29	1.00	.65	356.30
.07	138.40	.24	357.04	355.70	1.34	1.00	.67	356.37
.09	138.41	.25	356.99	355.69	1.30	1.00	.65	356.34
.10	138.42	.26	357.02	355.68	1.34	1.00	.67	356.35
.14	138.60	.44	363.49	355.50	7.99	1.02	4.00	359.50
.16	139.02	.86	386.97	355.08	31.89	1.09	15.94	371.02
.18	139.61	1.45	409.69	354.49	55.20	1.16	27.60	382.09
.20	140.44	2.28	428.39	353.66	74.73	1.21	37.37	391.03
.23	141.22	3.06	446.04	352.88	93.16	1.26	46.58	399.46
.26	142.24	4.08	459.08	351.86	107.22	1.30	53.61	405.47
.32	144.31	6.15	475.93	349.79	126.14	1.36	63.07	412.86
.38	146.56	8.40	485.70	347.54	138.16	1.40	69.08	416.62
.45	149.54	11.38	491.95	344.56	147.39	1.43	73.69	418.25
.51	152.96	14.80	496.46	341.14	155.32	1.46	77.66	418.80
1.84	204.65	66.49	537.14	289.45	247.69	1.86	123.85	413.30
1.98	211.53	73.37	539.52	282.57	256.95	1.91	128.48	411.05
2.24	222.95	84.79	544.25	271.15	273.10	2.01	136.55	407.70
2.38	229.38	91.22	545.61	264.72	280.89	2.06	140.45	405.17
2.53	236.58	98.42	545.56	257.52	288.04	2.12	144.02	401.54
3.38	270.34	132.18	543.73	223.76	319.97	2.43	159.98	383.74
3.53	277.57	139.41	541.38	216.53	324.85	2.50	162.42	378.95
3.96	291.94	153.78	537.80	202.16	335.64	2.66	167.82	369.98
4.10	297.44	159.28	536.48	196.66	339.82	2.73	169.91	366.57
4.24	301.46	163.30	535.42	192.64	342.78	2.78	171.39	364.03
4.39	306.05	167.89	534.09	188.05	346.04	2.84	173.02	361.07
4.53	310.64	172.48	531.77	183.46	348.31	2.90	174.16	357.62
4.67	316.83	178.67	527.75	177.27	350.48	2.98	175.24	352.51
6.02	336.88	198.72	518.97	157.22	361.75	3.30	180.88	338.10
6.73	352.46	214.30	510.78	141.64	369.14	3.61	184.57	326.21
7.54	362.31	224.15	505.48	131.79	373.69	3.84	186.85	318.64
8.16	367.06	228.90	503.77	127.04	376.73	3.97	188.37	315.41
9.06	372.07	233.91	502.57	122.03	380.54	4.12	190.27	312.30
9.74	374.39	236.23	501.95	119.71	382.24	4.19	191.12	310.83
10.57	376.46	238.30	502.99	117.65	385.35	4.28	192.67	310.32
11.13	376.85	238.69	505.15	117.25	387.90	4.31	193.95	311.20
11.17	376.91	238.75	505.29	117.19	388.10	4.31	194.05	311.24
11.19	376.93	238.77	505.27	117.17	388.10	4.31	194.05	311.22
11.92	378.01	239.85	507.42	116.09	391.33	4.37	195.67	311.76
12.65	378.41	240.25	508.44	115.69	392.75	4.39	196.38	312.06
13.42	380.73	242.57	506.44	113.37	393.06	4.47	196.53	309.90
14.35	385.88	247.72	485.89	108.22	377.67	4.49	188.83	297.05
15.05	369.65	231.49	517.20	124.45	392.75	4.16	196.38	320.83
15.76	374.57	236.41	512.95	119.53	393.43	4.29	196.71	316.24
16.47	375.14	236.98	508.42	118.96	389.46	4.27	194.73	313.69
17.32	379.27	241.11	495.23	114.83	380.40	4.31	190.20	305.03
18.03	377.41	239.25	488.05	116.69	371.36	4.18	185.68	302.37
18.98	378.88	240.72	469.04	115.23	353.82	4.07	176.91	292.14
19.79	376.32	238.16	462.53	117.78	344.75	3.93	172.38	290.16
20.00	378.84	240.68	454.65	115.26	339.38	3.94	169.69	284.96

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
20.20	378.61	240.45	449.12	115.49	333.63	3.89	166.82	282.31
20.50	377.86	239.70	448.47	116.24	332.23	3.86	166.11	282.36
21.60	381.86	243.70	424.33	112.24	312.10	3.78	156.05	268.29
21.94	382.94	244.78	419.26	111.16	308.10	3.77	154.05	265.21
22.70	383.97	245.81	409.57	110.13	299.44	3.72	149.72	259.85

STATIC ANISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....1G

CORE INCREMENT.....190-199 cm

TEST NUMBER.....TE43

FINAL LATERAL CONSOLIDATION STRESS 182.30 kPa

FINAL AXIAL CONSOLIDATION STRESS 369.35 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR.....-2.42 Kg

TRANSDUCER ZERO FACTOR.....-1.80 kPa

LVDT ZERO FACTOR..... .51 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1′ (kPa)	SIG3′ (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	139.60	0.00	369.35	182.30	187.05	2.03	93.52	275.82
.00	139.94	.34	370.74	181.96	188.78	2.04	94.39	276.35
.01	142.75	3.15	381.76	179.15	202.61	2.13	101.31	280.46
.02	145.54	5.94	391.00	176.36	214.64	2.22	107.32	283.68
.03	148.38	8.68	398.20	173.62	224.58	2.29	112.29	285.91
.05	150.99	11.39	402.89	170.91	231.98	2.36	115.99	286.90
.06	153.80	14.20	405.13	168.10	237.03	2.41	118.51	286.61
.08	156.64	17.04	405.22	165.26	239.96	2.45	119.98	285.24
.09	159.61	20.01	403.48	162.29	241.19	2.49	120.59	282.88
.13	166.15	26.55	396.81	155.75	241.06	2.55	120.53	276.28
.16	171.60	32.00	390.12	150.30	239.82	2.60	119.91	270.21
.20	176.39	36.79	384.34	145.51	238.83	2.64	119.42	264.93
.24	180.80	41.20	379.08	141.10	237.98	2.69	118.99	260.09
.27	184.73	45.13	374.37	137.17	237.20	2.73	118.60	255.77
.31	188.26	48.66	370.05	133.64	236.41	2.77	118.20	251.84
.38	194.34	54.74	362.68	127.56	235.12	2.84	117.56	245.12
.45	199.34	59.74	356.46	122.56	233.90	2.91	116.95	239.51
.52	203.59	63.99	351.14	118.31	232.83	2.97	116.42	234.73
.59	207.42	67.82	346.63	114.48	232.15	3.03	116.08	230.56
.66	210.68	71.08	342.62	111.22	231.40	3.08	115.70	226.92
.73	213.56	73.96	339.27	108.34	230.93	3.13	115.47	223.81
.81	216.07	76.47	336.29	105.83	230.46	3.18	115.23	221.06
.88	218.38	78.78	333.60	103.52	230.08	3.22	115.04	218.56
.95	220.47	80.87	331.17	101.43	229.74	3.27	114.87	216.30
1.02	222.42	82.82	329.21	99.48	229.73	3.31	114.87	214.34
1.09	224.16	84.56	327.12	97.74	229.38	3.35	114.69	212.43
1.16	225.75	86.15	325.50	96.15	229.35	3.39	114.68	210.83
1.18	226.04	86.44	325.31	95.86	229.45	3.39	114.73	210.59
1.20	226.45	86.85	324.90	95.46	229.45	3.40	114.72	210.18
1.22	226.75	87.15	324.54	95.15	229.40	3.41	114.70	209.85
1.23	227.16	87.56	324.16	94.74	229.42	3.42	114.71	209.45
1.25	227.41	87.81	323.82	94.49	229.32	3.43	114.66	209.15
1.27	227.77	88.17	323.52	94.14	229.38	3.44	114.69	208.83
1.29	228.06	88.46	323.21	93.84	229.36	3.44	114.68	208.53
1.31	228.40	88.80	323.06	93.51	229.56	3.46	114.78	208.28
1.34	228.86	89.26	322.62	93.04	229.58	3.47	114.79	207.83
1.38	229.44	89.84	322.13	92.46	229.67	3.48	114.84	207.29
1.41	229.94	90.34	321.66	91.96	229.70	3.50	114.85	206.81
1.45	230.44	90.84	321.24	91.46	229.78	3.51	114.89	206.35
1.48	230.93	91.33	320.88	90.97	229.92	3.53	114.96	205.92
1.52	231.36	91.76	320.67	90.54	230.14	3.54	115.07	205.61
1.59	232.29	92.69	319.78	89.61	230.17	3.57	115.09	204.70
1.66	233.28	93.68	319.02	88.62	230.40	3.60	115.20	203.82
1.73	234.05	94.45	318.40	87.85	230.55	3.62	115.28	203.13
1.80	234.65	95.05	318.04	87.25	230.79	3.65	115.39	202.64
1.88	235.42	95.82	316.96	86.48	230.48	3.67	115.24	201.72
1.95	236.05	96.45	315.99	85.85	230.14	3.68	115.07	200.92
2.02	236.56	96.96	316.54	85.35	231.19	3.71	115.60	200.94
2.09	237.04	97.44	316.62	84.86	231.76	3.73	115.88	200.74
2.16	237.54	97.94	316.42	84.36	232.07	3.75	116.03	200.39
2.24	238.05	98.45	316.58	83.85	232.73	3.78	116.37	200.21
2.31	238.60	99.00	316.43	83.30	233.13	3.80	116.57	199.86
2.38	239.05	99.45	316.29	82.85	233.44	3.82	116.72	199.57
2.45	239.48	99.88	316.17	82.42	233.75	3.84	116.88	199.30

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
2.52	239.83	100.23	316.43	82.07	234.36	3.86	117.18	199.25
2.59	240.22	100.62	316.37	81.68	234.68	3.87	117.34	199.03
2.66	240.44	100.84	316.64	81.46	235.18	3.89	117.59	199.05
2.74	240.71	101.11	316.85	81.19	235.66	3.90	117.83	199.02
2.81	241.03	101.43	316.66	80.87	235.79	3.92	117.89	198.77
2.88	241.21	101.61	316.96	80.69	236.27	3.93	118.13	198.82
2.95	241.47	101.87	317.46	80.43	237.03	3.95	118.52	198.95
3.02	241.65	102.05	317.08	80.25	236.83	3.95	118.42	198.67
3.09	241.87	102.27	317.90	80.03	237.87	3.97	118.94	198.97
3.17	241.98	102.38	318.11	79.92	238.19	3.98	119.09	199.01
3.31	242.15	102.55	318.92	79.75	239.17	4.00	119.59	199.33
3.45	242.38	102.78	319.65	79.52	240.14	4.02	120.07	199.58
3.60	242.71	103.11	320.36	79.19	241.17	4.05	120.59	199.77
3.74	242.95	103.35	321.15	78.95	242.20	4.07	121.10	200.05
3.88	242.99	103.39	322.01	78.91	243.10	4.08	121.55	200.46
4.60	243.87	104.27	326.10	78.03	248.07	4.18	124.03	202.06
4.75	242.97	103.37	327.91	78.93	248.98	4.15	124.49	203.42
4.82	242.99	103.39	328.25	78.92	249.34	4.16	124.67	203.58
4.96	243.09	103.49	329.10	78.81	250.30	4.18	125.15	203.96
5.10	243.10	103.50	330.16	78.80	251.35	4.19	125.68	204.48
5.25	243.22	103.62	330.82	78.68	252.14	4.20	126.07	204.75
5.39	243.26	103.66	332.09	78.64	253.45	4.22	126.72	205.36
5.53	243.42	103.82	332.67	78.48	254.19	4.24	127.09	205.58
5.67	242.76	103.16	334.42	79.14	255.29	4.23	127.64	206.78
5.81	242.91	103.31	335.33	78.99	256.33	4.25	128.17	207.16
5.96	242.37	102.77	336.41	79.53	256.87	4.23	128.44	207.97
6.10	242.31	102.71	337.59	79.59	258.00	4.24	129.00	208.59
6.24	242.16	102.56	338.11	79.75	258.37	4.24	129.18	208.93
6.33	242.10	102.50	339.45	79.80	259.65	4.25	129.83	209.62
7.01	241.54	101.94	343.52	80.36	263.16	4.27	131.58	211.94
7.72	240.35	100.75	348.21	81.55	266.66	4.27	133.33	214.88
8.43	239.55	99.95	352.34	82.35	269.99	4.28	135.00	217.35
9.15	238.45	98.85	355.62	83.45	272.17	4.26	136.08	219.54
9.87	237.37	97.77	358.09	84.53	273.56	4.24	136.78	221.31
10.59	235.57	95.97	361.35	86.33	275.02	4.19	137.51	223.84
11.31	234.55	94.95	364.12	87.35	276.77	4.17	138.39	225.74
12.03	233.35	93.75	366.40	88.55	277.85	4.14	138.92	227.48
12.74	232.42	92.82	367.67	89.48	278.19	4.11	139.10	228.57
13.46	231.55	91.95	368.41	90.35	278.06	4.08	139.03	229.38
14.17	230.42	90.82	369.31	91.48	277.83	4.04	138.91	230.39
14.88	229.40	89.80	368.47	92.51	275.96	3.98	137.98	230.49
15.60	228.90	89.30	365.84	93.00	272.85	3.93	136.42	229.42
16.31	229.01	89.41	362.54	92.89	269.65	3.90	134.83	227.71
17.03	229.25	89.65	358.70	92.65	266.05	3.87	133.02	225.67
22.48	235.15	95.55	333.48	86.75	246.73	3.84	123.37	210.12
22.62	235.15	95.55	330.66	86.75	243.91	3.81	121.96	208.70

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....2G

CORE INCREMENT.....31-40 cm

TEST NUMBER.....TE52

FINAL LATERAL CONSOLIDATION STRESS .43 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR..... .70 Kg

TRANSDUCER ZERO FACTOR.....-8.50 kPa

LVDT ZERO FACTOR..... .80 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	344.27	0.00	.43	.43	0.00	1.00	0.00	.43
.00	344.25	-.02	1.91	.45	1.46	4.26	.73	1.18
.02	344.30	.03	1.98	.40	1.58	4.97	.79	1.19
.03	344.29	.02	1.97	.41	1.56	4.84	.78	1.19
.04	344.32	.05	1.90	.38	1.52	5.01	.76	1.14
.06	344.34	.06	1.86	.36	1.49	5.10	.75	1.11
.07	344.35	.08	1.87	.35	1.51	5.30	.76	1.11
.09	344.29	.02	1.94	.41	1.54	4.76	.77	1.18
.10	344.30	.03	1.90	.40	1.51	4.77	.75	1.15
.12	344.33	.06	1.75	.37	1.38	4.76	.69	1.06
.13	344.31	.04	1.78	.39	1.39	4.59	.70	1.08
.15	344.35	.08	1.81	.35	1.46	5.15	.73	1.08
.16	344.34	.06	1.87	.36	1.51	5.14	.75	1.12
.18	344.33	.06	1.81	.37	1.45	4.95	.72	1.09
.19	344.37	.09	1.67	.34	1.33	4.98	.67	1.00
.21	344.37	.10	1.74	.33	1.41	5.33	.71	1.03
.22	344.33	.06	1.79	.37	1.42	4.86	.71	1.08
.24	344.36	.09	1.79	.34	1.45	5.30	.73	1.06
.25	344.31	.04	1.76	.39	1.37	4.51	.68	1.07
.27	344.37	.10	1.78	.33	1.45	5.45	.72	1.05
.28	344.32	.04	1.83	.39	1.44	4.74	.72	1.11
.30	344.36	.09	1.82	.34	1.48	5.40	.74	1.08
.31	344.35	.08	1.79	.35	1.44	5.13	.72	1.07
.33	344.36	.09	1.73	.34	1.38	5.03	.69	1.03
.34	344.37	.10	1.84	.33	1.50	5.52	.75	1.09
.36	344.39	.12	1.80	.31	1.49	5.81	.75	1.06
.37	344.36	.09	1.60	.34	1.26	4.69	.63	.97
.39	344.35	.08	1.79	.35	1.44	5.14	.72	1.07
.40	344.40	.12	1.73	.30	1.43	5.71	.72	1.02
.42	344.43	.16	1.65	.27	1.38	6.12	.69	.96
.43	344.41	.14	1.68	.29	1.39	5.77	.69	.99
.45	344.37	.10	1.72	.33	1.39	5.23	.69	1.02
.46	344.37	.10	1.75	.33	1.42	5.36	.71	1.04
.48	344.38	.11	1.78	.32	1.46	5.59	.73	1.05
.49	344.50	.23	2.10	.20	1.90	10.35	.95	1.15
.51	344.60	.33	2.53	.10	2.44	26.39	1.22	1.31
.52	344.66	.39	2.85	.04	2.81	67.89	1.40	1.45
.54	344.82	.55	3.11	-.12	3.24	-25.52	1.62	1.50
.55	344.86	.59	3.43	-.16	3.59	-21.58	1.80	1.64
.57	344.88	.61	3.64	-.18	3.82	-20.22	1.91	1.73
.64	345.14	.87	4.65	-.44	5.09	-10.64	2.54	2.11
.70	345.30	1.03	5.40	-.60	6.01	-8.96	3.00	2.40
.76	345.42	1.15	5.87	-.72	6.59	-8.13	3.30	2.57
.82	345.52	1.25	6.23	-.82	7.05	-7.59	3.52	2.70
.88	345.50	1.22	6.75	-.80	7.54	-8.48	3.77	2.98
.94	345.51	1.24	7.03	-.81	7.85	-8.64	3.92	3.11
1.00	345.53	1.26	7.44	-.83	8.27	-8.99	4.13	3.31
1.06	345.61	1.34	7.68	-.91	8.59	-8.43	4.29	3.38
1.12	345.60	1.32	8.21	-.90	9.11	-9.17	4.55	3.66
1.18	345.65	1.38	8.45	-.95	9.40	-8.92	4.70	3.75
1.24	345.62	1.35	8.95	-.92	9.87	-9.69	4.94	4.01
1.30	345.66	1.39	9.87	-.96	10.03	-9.40	5.02	4.05
1.36	345.66	1.39	9.48	-.96	10.44	-9.91	5.22	4.26
1.42	345.60	1.33	9.96	-.90	10.86	-11.08	5.43	4.53

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
1.48	345.59	1.32	10.34	-.89	11.23	-11.66	5.62	4.73
1.54	345.55	1.27	10.71	-.85	11.56	-12.66	5.78	4.93
1.60	345.54	1.27	11.07	-.84	11.91	-13.23	5.95	5.12
1.66	345.52	1.25	11.46	-.82	12.28	-13.98	6.14	5.32
1.72	345.57	1.30	11.78	-.87	12.65	-13.51	6.33	5.45
1.78	345.50	1.22	12.18	-.80	12.98	-15.30	6.49	5.69
1.84	345.46	1.18	12.49	-.76	13.25	-16.52	6.62	5.87
1.90	345.45	1.18	12.70	-.75	13.45	-16.84	6.73	5.97
1.96	345.39	1.12	13.06	-.69	13.75	-18.81	6.87	6.18
2.02	345.37	1.10	13.42	-.67	14.09	-20.06	7.04	6.38
2.08	345.29	1.02	13.71	-.59	14.30	-23.24	7.15	6.56
2.14	345.28	1.01	14.05	-.58	14.63	-24.18	7.31	6.73
2.20	345.16	.89	14.29	-.46	14.75	-30.86	7.38	6.91
2.26	345.13	.85	14.50	-.43	14.92	-34.03	7.46	7.03
2.33	345.16	.88	14.77	-.46	15.22	-32.46	7.61	7.16
2.44	344.97	.70	15.31	-.27	15.58	-56.50	7.79	7.52
2.57	344.86	.59	15.58	-.16	15.74	-97.35	7.87	7.71
2.69	344.82	.55	15.94	-.12	16.06	-132.81	8.03	7.91
2.81	344.70	.42	16.80	.00	16.80	4200.68	8.40	8.40
2.94	344.62	.35	17.25	.08	17.17	223.98	8.58	8.66
3.06	344.51	.24	17.94	.19	17.75	96.45	8.88	9.06
3.18	344.50	.23	18.37	.20	18.17	92.32	9.09	9.29
3.31	344.44	.17	19.07	.26	18.80	72.49	9.40	9.66
3.43	344.31	.04	19.73	.39	19.34	50.58	9.67	10.06
3.55	344.26	-.01	20.27	.44	19.84	46.50	9.92	10.36
3.68	344.18	-.09	20.77	.52	20.25	40.24	10.12	10.64
3.80	344.12	-.16	21.16	.59	20.58	36.18	10.29	10.87
3.93	344.05	-.22	21.74	.65	21.09	33.44	10.54	11.19
4.61	343.67	-.60	24.14	1.03	23.11	23.46	11.55	12.58
5.24	343.29	-.98	26.44	1.41	25.03	18.73	12.51	13.93
5.87	342.85	-1.42	28.44	1.85	26.59	15.38	13.29	15.14
6.49	342.65	-1.62	30.02	2.05	27.97	14.64	13.98	16.03
7.12	342.17	-2.11	31.81	2.54	29.27	12.55	14.64	17.17
7.74	341.79	-2.49	33.17	2.91	30.26	11.39	15.13	18.04
8.35	341.49	-2.79	34.43	3.21	31.22	10.72	15.61	18.82
8.99	341.10	-3.17	35.71	3.60	32.12	9.93	16.06	19.65
9.59	340.85	-3.43	36.58	3.86	32.73	9.49	16.36	20.22
10.22	340.54	-3.74	37.33	4.16	33.17	8.96	16.58	20.75
10.85	340.18	-4.09	38.13	4.52	33.61	8.44	16.81	21.33
11.48	340.01	-4.26	38.64	4.69	33.96	8.25	16.98	21.66
12.12	339.84	-4.43	39.24	4.86	34.38	8.07	17.19	22.05
12.77	339.63	-4.65	39.50	5.07	34.43	7.79	17.21	22.29
12.95	339.63	-4.64	40.03	5.07	34.96	7.89	17.48	22.55
14.08	339.41	-4.87	41.64	5.29	36.35	7.87	18.17	23.47
14.67	339.29	-4.98	42.27	5.41	36.86	7.81	18.43	23.84
14.71	339.26	-5.01	42.37	5.44	36.93	7.79	18.47	23.91
15.33	339.10	-5.18	43.03	5.61	37.42	7.68	18.71	24.32
16.01	338.94	-5.34	43.50	5.76	37.74	7.55	18.87	24.63
16.57	338.82	-5.46	43.89	5.88	38.00	7.46	19.00	24.88
17.19	338.68	-5.60	44.27	6.02	38.25	7.35	19.12	25.15
17.81	338.59	-5.68	44.76	6.11	38.65	7.33	19.33	25.44
18.43	338.43	-5.85	45.07	6.27	38.80	7.19	19.40	25.67
19.05	338.32	-5.95	45.17	6.38	38.79	7.08	19.39	25.77

19.67	338.23	-6.84	45.17	6.47	38.71	6.99	19.35	25.82

STRN (%)	U (kPa)	DELU (kPa)	SIG1′ (kPa)	SIG3′ (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
20.29	338.13	-6.14	45.07	6.57	38.50	6.86	19.25	25.82

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....2G

CORE INCREMENT.....84-92 cm

TEST NUMBER.....TE44

FINAL LATERAL CONSOLIDATION STRESS 251 kPa

INDUCED OCR..... 1

LOAD ZERO FACTOR.....-7 Kg

TRANSDUCER ZERO FACTOR..... 3 kPa

LVDT ZERO FACTOR..... 1 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	138.04	0.00	250.86	250.86	0.00	1.00	0.00	250.86
.00	139.35	1.31	256.95	249.55	7.40	1.03	3.70	253.25
.01	143.57	5.53	265.51	245.33	20.18	1.08	10.09	255.42
.02	147.87	9.83	272.87	241.03	31.84	1.13	15.92	256.95
.03	152.31	14.27	278.70	236.59	42.11	1.18	21.05	257.64
.03	156.84	18.80	283.59	232.06	51.53	1.22	25.77	257.83
.04	161.47	23.43	287.41	227.43	59.98	1.26	29.99	257.42
.06	166.20	28.16	290.42	222.70	67.72	1.30	33.86	256.56
.07	170.83	32.79	292.29	218.07	74.22	1.34	37.11	255.18
.08	175.55	37.51	293.39	213.35	80.04	1.38	40.02	253.37
.09	180.18	42.14	293.93	208.72	85.21	1.41	42.60	251.32
.10	184.74	46.70	293.77	204.16	89.61	1.44	44.81	248.97
.12	189.17	51.13	293.29	199.73	93.56	1.47	46.78	246.51
.13	193.43	55.39	292.22	195.47	96.75	1.49	48.37	243.85
.14	197.57	59.53	291.14	191.33	99.81	1.52	49.91	241.24
.16	201.55	63.51	290.02	187.35	102.67	1.55	51.33	238.68
.17	205.35	67.31	288.47	183.55	104.92	1.57	52.46	236.01
.19	209.00	70.96	286.96	179.90	107.06	1.60	53.53	233.43
.20	212.49	74.45	285.32	176.41	108.91	1.62	54.45	230.86
.22	215.82	77.78	283.66	173.08	110.58	1.64	55.29	228.37
.23	219.01	80.97	282.00	169.89	112.11	1.66	56.05	225.94
.25	222.01	83.97	280.37	166.89	113.48	1.68	56.74	223.63
.26	224.87	86.83	278.75	164.03	114.72	1.70	57.36	221.39
.28	227.58	89.54	277.17	161.32	115.85	1.72	57.93	219.25
.29	230.20	92.16	274.09	158.70	115.39	1.73	57.70	216.40
.31	232.66	94.62	273.56	156.24	117.32	1.75	58.66	214.90
.32	235.07	97.03	272.52	153.83	118.69	1.77	59.34	213.17
.34	237.35	99.31	271.16	151.55	119.61	1.79	59.81	211.36
.35	239.56	101.52	269.91	149.34	120.57	1.81	60.28	209.62
.37	241.68	103.64	268.55	147.22	121.33	1.82	60.66	207.88
.38	243.71	105.67	267.18	145.19	121.99	1.84	60.99	206.19
.40	245.64	107.60	265.91	143.26	122.65	1.86	61.32	204.59
.42	247.48	109.44	264.73	141.42	123.31	1.87	61.65	203.08
.43	249.28	111.24	263.54	139.62	123.92	1.89	61.96	201.58
.45	250.96	112.92	262.51	137.94	124.57	1.90	62.29	200.23
.46	252.61	114.57	261.43	136.29	125.14	1.92	62.57	198.86
.48	254.21	116.17	260.33	134.69	125.64	1.93	62.82	197.51
.49	255.73	117.69	259.28	133.17	126.11	1.95	63.05	196.22
.51	257.20	119.16	258.44	131.70	126.74	1.96	63.37	195.07
.52	258.62	120.58	257.39	130.28	127.11	1.98	63.55	193.83
.54	260.01	121.97	256.39	128.89	127.50	1.99	63.75	192.64
.60	265.04	127.00	253.16	123.86	129.30	2.04	64.65	188.51
.67	269.39	131.35	250.00	119.51	130.48	2.09	65.24	184.76
.73	273.22	135.18	247.69	115.68	132.01	2.14	66.01	181.69
.79	276.72	138.68	245.41	112.19	133.23	2.19	66.61	178.80
.84	279.67	141.63	237.10	109.23	127.87	2.17	63.93	173.17
.90	282.12	144.08	241.84	106.78	135.05	2.26	67.53	174.31
.96	284.48	146.44	240.69	104.42	136.27	2.31	68.14	172.55
1.03	286.75	148.71	239.24	102.15	137.09	2.34	68.54	170.69
1.09	288.85	150.81	238.09	100.05	138.04	2.38	69.02	169.07
1.15	290.69	152.65	236.96	98.21	138.75	2.41	69.38	167.58
1.22	292.34	154.30	236.05	96.56	139.49	2.44	69.75	166.31
1.28	293.84	155.80	235.29	95.06	140.23	2.48	70.12	165.17
1.35	295.26	157.22	234.49	93.64	140.85	2.50	70.42	164.07

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
1.41	296.57	158.53	234.12	92.33	141.79	2.54	70.89	163.23
1.47	297.78	159.74	233.61	91.12	142.49	2.56	71.25	162.37
1.54	298.76	160.72	233.16	90.14	143.01	2.59	71.51	161.65
1.60	299.84	161.80	233.02	89.06	143.96	2.62	71.98	161.04
1.67	301.81	163.77	232.08	87.09	144.99	2.66	72.50	159.59
1.73	302.73	164.69	231.91	86.17	145.74	2.69	72.87	159.04
1.80	303.44	165.40	231.95	85.46	146.49	2.71	73.24	158.71
1.86	304.09	166.05	231.97	84.81	147.16	2.74	73.58	158.39
1.92	304.79	166.75	232.00	84.11	147.89	2.76	73.95	158.05
1.99	305.56	167.52	232.19	83.35	148.84	2.79	74.42	157.77
2.05	306.25	168.21	232.48	82.65	149.83	2.81	74.92	157.57
2.12	306.89	168.85	232.76	82.01	150.75	2.84	75.37	157.38
2.18	307.43	169.39	233.17	81.47	151.69	2.86	75.85	157.32
2.25	308.03	169.99	233.34	80.87	152.47	2.89	76.24	157.11
2.31	308.59	170.55	233.69	80.31	153.37	2.91	76.69	157.00
2.38	309.03	170.99	234.06	79.87	154.19	2.93	77.10	156.97
2.44	309.56	171.52	234.30	79.34	154.95	2.95	77.48	156.82
2.50	310.06	172.02	234.53	78.84	155.68	2.97	77.84	156.68
2.57	310.65	172.61	235.08	78.25	156.83	3.00	78.42	156.66
2.63	311.23	173.19	235.29	77.67	157.62	3.03	78.81	156.48
2.70	311.73	173.69	235.61	77.17	158.45	3.05	79.22	156.39
2.76	312.09	174.05	236.08	76.81	159.27	3.07	79.64	156.45
2.83	312.22	174.18	236.89	76.68	160.21	3.09	80.11	156.79
2.89	312.45	174.41	237.29	76.45	160.84	3.10	80.42	156.87
2.96	312.72	174.68	237.88	76.18	161.70	3.12	80.85	157.03
3.02	312.94	174.90	238.17	75.97	162.21	3.14	81.10	157.07
3.09	313.16	175.12	238.89	75.74	163.15	3.15	81.57	157.31
3.15	313.39	175.35	238.49	75.51	162.98	3.16	81.49	157.00
3.22	313.59	175.55	240.05	75.32	164.73	3.19	82.37	157.68
3.28	313.77	175.73	240.70	75.13	165.57	3.20	82.78	157.91
3.34	313.94	175.90	241.51	74.96	166.55	3.22	83.27	158.24
3.41	314.07	176.03	242.03	74.83	167.20	3.23	83.60	158.43
3.47	314.22	176.18	242.66	74.68	167.98	3.25	83.99	158.67
3.54	314.36	176.32	243.28	74.54	168.74	3.26	84.37	158.91
3.60	314.48	176.44	243.90	74.42	169.48	3.28	84.74	159.16
3.67	314.54	176.50	244.69	74.36	170.32	3.29	85.16	159.53
3.73	314.59	176.55	245.45	74.32	171.14	3.30	85.57	159.88
3.80	314.68	176.64	246.18	74.22	171.96	3.32	85.98	160.20
3.86	314.92	176.88	246.21	73.98	172.23	3.33	86.12	160.10
3.93	315.05	177.01	247.40	73.85	173.56	3.35	86.78	160.63
3.99	315.01	176.97	248.29	73.89	174.40	3.36	87.20	161.09
4.06	315.06	177.02	248.95	73.85	175.11	3.37	87.55	161.40
4.12	315.03	176.99	249.61	73.87	175.74	3.38	87.87	161.74
4.19	315.09	177.05	250.43	73.82	176.62	3.39	88.31	162.12
4.25	315.12	177.08	251.14	73.78	177.35	3.40	88.68	162.46
4.32	315.13	177.09	251.84	73.77	178.07	3.41	89.04	162.81
4.38	315.11	177.07	252.75	73.79	178.96	3.43	89.48	163.27
4.45	315.14	177.10	253.36	73.77	179.60	3.43	89.80	163.56
4.51	315.19	177.15	254.14	73.71	180.43	3.45	90.22	163.92
4.58	315.26	177.22	254.83	73.65	181.19	3.46	90.59	164.24
5.23	315.42	177.38	262.00	73.48	188.52	3.57	94.26	167.74
6.18	314.50	176.46	273.39	74.40	198.99	3.67	99.50	173.89
6.55	313.95	175.91	277.62	74.95	202.67	3.70	101.34	176.28
7.21	312.98	174.94	284.81	75.92	208.89	3.75	104.44	180.37

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
7.88	311.85	173.81	292.03	77.06	214.98	3.79	107.49	184.55
8.54	310.65	172.61	299.02	78.25	220.76	3.82	110.38	188.63
9.27	309.25	171.21	306.27	79.65	226.62	3.85	113.31	192.96
9.89	308.02	169.98	311.97	80.88	231.09	3.86	115.55	196.43
10.53	306.78	168.74	317.07	82.12	234.95	3.86	117.47	199.60
11.19	305.51	167.47	321.76	83.39	238.37	3.86	119.19	202.57
11.20	305.48	167.44	321.85	83.42	238.44	3.86	119.22	202.64
11.85	304.23	166.19	325.85	84.67	241.18	3.85	120.59	205.26
12.51	303.15	165.11	329.40	85.75	243.65	3.84	121.83	207.58
13.18	302.00	163.96	331.96	86.90	245.06	3.82	122.53	209.43
13.85	300.84	162.80	332.71	88.06	244.66	3.78	122.33	210.39
14.53	299.77	161.73	333.87	89.13	244.73	3.75	122.37	211.50
15.21	298.67	160.63	333.61	90.23	243.38	3.70	121.69	211.92
15.89	297.70	159.66	329.75	91.20	238.55	3.62	119.27	210.48
16.58	298.31	160.27	315.58	90.59	224.99	3.48	112.50	203.09
17.26	300.93	162.89	299.21	87.98	211.24	3.40	105.62	193.59
17.94	303.74	165.70	284.64	85.16	199.48	3.34	99.74	184.90
18.20	304.92	166.88	279.48	83.98	195.50	3.33	97.75	181.73
18.72	307.04	169.00	269.01	81.86	187.15	3.29	93.58	175.44
19.40	309.68	171.64	257.23	79.22	178.01	3.25	89.01	168.23
20.03	312.20	174.16	248.09	76.70	171.39	3.23	85.70	162.39
20.12	312.26	174.22	246.24	76.64	169.60	3.21	84.80	161.44
20.18	312.79	174.75	245.67	76.11	169.56	3.23	84.78	160.89
21.17	315.65	177.61	238.05	73.25	164.80	3.25	82.40	155.65
21.23	315.68	177.64	237.16	73.22	163.95	3.24	81.97	155.19

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....2G

CORE INCREMENT.....112-120 cm

TEST NUMBER.....TE45

FINAL LATERAL CONSOLIDATION STRESS 49.321 kPa

INDUCED OCR..... 6

LOAD ZERO FACTOR.....-1.63551026 kg

TRANSDUCER ZERO FACTOR.....-3.1 kPa

LVDT ZERO FACTOR..... .62488 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	140.58	0.00	49.32	49.32	0.00	1.00	0.00	49.32
.00	140.61	.03	50.54	49.29	1.25	1.03	.63	49.92
.01	143.23	2.65	56.96	46.67	10.29	1.22	5.14	51.81
.03	144.25	3.68	62.22	45.65	16.57	1.36	8.28	53.93
.04	145.46	4.88	66.15	44.44	21.71	1.49	10.95	55.29
.06	146.05	5.47	70.09	43.85	26.23	1.60	13.12	56.97
.07	146.85	6.27	73.71	43.05	30.65	1.71	15.33	58.38
.08	147.75	7.17	76.97	42.15	34.83	1.83	17.41	59.56
.10	147.82	7.24	81.00	42.08	38.92	1.92	19.46	61.54
.11	148.55	7.97	84.36	41.35	43.01	2.04	21.51	62.86
.12	148.47	7.90	88.55	41.43	47.12	2.14	23.56	64.99
.14	148.47	7.90	92.39	41.43	50.96	2.23	25.48	66.91
.15	148.88	8.30	95.84	41.02	54.82	2.34	27.41	68.43
.17	148.87	8.29	99.44	41.03	58.41	2.42	29.21	70.23
.18	148.74	8.16	103.31	41.16	62.15	2.51	31.07	72.23
.20	148.69	8.11	106.94	41.21	65.73	2.59	32.86	74.08
.21	148.67	8.09	110.52	41.23	69.30	2.68	34.65	75.87
.27	148.37	7.79	124.14	41.53	82.61	2.99	41.30	82.83
.33	147.27	6.69	137.37	42.63	94.74	3.22	47.37	90.00
.39	145.94	5.36	149.07	43.96	105.11	3.39	52.56	96.52
.46	144.43	3.85	159.55	45.47	114.08	3.51	57.04	102.51
.52	143.03	2.45	168.32	46.87	121.45	3.59	60.73	107.60
.58	141.61	1.03	176.22	48.29	127.94	3.65	63.97	112.26
.65	140.31	-.27	182.96	49.59	133.37	3.69	66.68	116.28
.72	139.26	-1.32	188.92	50.64	138.28	3.73	69.14	119.78
.78	138.17	-2.41	193.99	51.73	142.26	3.75	71.13	122.86
.85	137.21	-3.37	198.79	52.69	146.10	3.77	73.05	125.74
.91	136.37	-4.21	202.80	53.53	149.27	3.79	74.63	128.16
.98	135.61	-4.97	206.64	54.29	152.35	3.81	76.17	130.46
1.05	135.00	-5.58	209.81	54.90	154.91	3.82	77.45	132.36
1.11	134.29	-6.29	212.96	55.61	157.35	3.83	78.67	134.29
1.18	133.90	-6.68	215.73	56.00	159.73	3.85	79.87	135.87
1.25	133.36	-7.22	218.39	56.54	161.85	3.86	80.93	137.47
1.38	132.62	-7.96	222.98	57.28	165.70	3.89	82.85	140.13
1.52	131.94	-8.64	226.95	57.96	168.98	3.92	84.49	142.46
1.65	131.54	-9.04	230.34	58.36	171.98	3.95	85.99	144.35
1.79	130.93	-9.65	233.59	58.97	174.62	3.96	87.31	146.28
1.92	130.56	-10.02	236.33	59.34	176.98	3.98	88.49	147.83
2.07	130.33	-10.25	239.34	59.57	179.77	4.02	89.88	149.45
2.19	130.16	-10.42	241.47	59.74	181.72	4.04	90.86	150.61
2.40	130.03	-10.55	244.58	59.88	184.71	4.08	92.35	152.23
2.54	129.95	-10.63	246.63	59.95	186.68	4.11	93.34	153.29
2.67	129.83	-10.75	248.63	60.07	188.56	4.14	94.28	154.35
2.81	129.86	-10.72	250.08	60.04	190.04	4.17	95.02	155.06
3.02	129.86	-10.72	252.60	60.04	192.57	4.21	96.28	156.32
3.09	129.87	-10.71	253.12	60.03	193.09	4.22	96.55	156.58
3.25	129.76	-10.82	255.15	60.14	195.01	4.24	97.51	157.65
3.37	129.03	-11.55	257.04	60.87	196.17	4.22	98.09	158.96
3.57	129.13	-11.45	258.68	60.77	197.91	4.26	98.96	159.72
3.71	128.96	-11.62	260.18	60.94	199.25	4.27	99.62	160.56
3.85	129.12	-11.46	261.22	60.78	200.45	4.30	100.22	161.00
3.98	129.10	-11.48	262.42	60.80	201.62	4.32	100.81	161.61
4.12	127.54	-13.04	265.03	62.36	202.67	4.25	101.34	163.69
4.27	127.55	-13.03	266.00	62.35	203.65	4.27	101.83	164.17

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
4.97	126.88	-13.70	271.60	63.02	208.59	4.31	104.29	167.31
5.38	126.32	-14.26	274.48	63.58	210.90	4.32	105.45	169.03
5.45	126.28	-14.30	274.88	63.62	211.26	4.32	105.63	169.25
5.52	126.05	-14.53	275.32	63.85	211.47	4.31	105.74	169.59
5.58	125.99	-14.59	275.94	63.92	212.03	4.32	106.01	169.93
5.65	126.02	-14.56	276.26	63.88	212.38	4.32	106.19	170.07
5.72	126.00	-14.58	276.79	63.90	212.89	4.33	106.44	170.34
5.79	125.89	-14.69	277.20	64.01	213.19	4.33	106.59	170.60
5.86	125.69	-14.89	277.98	64.21	213.77	4.33	106.89	171.09
5.93	125.61	-14.97	278.42	64.29	214.13	4.33	107.06	171.36
6.00	125.51	-15.07	278.71	64.39	214.32	4.33	107.16	171.55
6.07	125.38	-15.20	279.24	64.52	214.72	4.33	107.36	171.88
6.20	125.17	-15.41	280.00	64.73	215.28	4.33	107.64	172.37
6.20	125.18	-15.40	280.03	64.72	215.31	4.33	107.66	172.38
6.28	124.97	-15.61	280.87	64.93	215.94	4.33	107.97	172.90
6.34	124.96	-15.62	281.23	64.94	216.29	4.33	108.14	173.09
6.41	124.76	-15.82	281.54	65.15	216.40	4.32	108.20	173.34
6.50	124.44	-16.14	282.32	65.46	216.86	4.31	108.43	173.89
6.59	124.36	-16.22	282.84	65.54	217.30	4.32	108.65	174.19
6.62	124.56	-16.02	282.73	65.34	217.39	4.33	108.70	174.04
6.68	124.33	-16.25	283.23	65.57	217.66	4.32	108.83	174.40
6.76	124.30	-16.28	283.55	65.60	217.95	4.32	108.98	174.57
6.82	124.35	-16.23	283.61	65.55	218.06	4.33	109.03	174.58
6.98	123.71	-16.87	284.90	66.19	218.71	4.30	109.35	175.55
7.03	123.87	-16.71	284.93	66.03	218.89	4.31	109.45	175.48
7.57	122.72	-17.86	288.31	67.18	221.13	4.29	110.57	177.74
7.64	122.83	-17.75	288.37	67.07	221.30	4.30	110.65	177.72
7.76	122.31	-18.27	289.38	67.59	221.79	4.28	110.90	178.48
7.78	122.17	-18.41	289.50	67.73	221.77	4.27	110.88	178.62
7.84	122.16	-18.42	289.70	67.74	221.96	4.28	110.98	178.72
7.91	121.44	-19.14	290.81	68.46	222.35	4.25	111.18	179.64
7.98	122.20	-18.38	290.32	67.70	222.62	4.29	111.31	179.01
8.05	121.53	-19.05	291.10	68.37	222.73	4.26	111.37	179.74
8.12	121.54	-19.04	291.24	68.36	222.89	4.26	111.44	179.80
8.19	121.35	-19.23	291.79	68.55	223.24	4.26	111.62	180.17
8.25	121.07	-19.51	292.15	68.83	223.32	4.24	111.66	180.49
8.32	120.93	-19.65	292.57	68.97	223.59	4.24	111.80	180.77
8.39	120.85	-19.73	292.80	69.05	223.75	4.24	111.88	180.93
8.46	120.83	-19.75	292.95	69.07	223.88	4.24	111.94	181.01
8.53	120.59	-19.99	293.40	69.31	224.09	4.23	112.05	181.35
8.66	120.17	-20.41	294.06	69.73	224.34	4.22	112.17	181.89
8.66	120.12	-20.46	294.18	69.78	224.40	4.22	112.20	181.98
8.73	120.44	-20.14	293.97	69.46	224.51	4.23	112.26	181.71
9.53	118.25	-22.33	297.44	71.65	225.79	4.15	112.90	184.55
10.56	115.52	-25.06	296.40	74.38	222.02	3.98	111.01	185.39
11.53	118.54	-22.04	265.15	71.36	193.78	3.72	96.89	168.26
12.23	122.03	-18.55	254.52	67.87	186.64	3.75	93.32	161.20
12.25	121.73	-18.85	254.61	68.17	186.44	3.74	93.22	161.39
13.02	124.21	-16.37	247.41	65.70	181.72	3.77	90.86	156.55
13.58	125.28	-15.30	243.51	64.62	178.89	3.77	89.44	154.07
13.77	125.88	-14.70	240.73	64.02	176.71	3.76	88.36	152.37
13.86	126.10	-14.48	239.83	63.80	176.02	3.76	88.01	151.82
14.00	126.39	-14.19	239.17	63.51	175.66	3.77	87.83	151.34
14.13	126.82	-13.76	238.30	63.08	175.23	3.78	87.61	150.69

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
14.33	127.34	-13.24	237.91	62.56	175.35	3.80	87.67	150.24
14.38	127.52	-13.06	237.61	62.38	175.23	3.81	87.61	149.99
15.53	129.26	-11.32	235.01	60.64	174.37	3.88	87.19	147.82
16.15	129.91	-10.67	233.61	59.99	173.61	3.89	86.81	146.80
18.64	132.00	-8.58	235.09	57.90	177.19	4.06	88.59	146.49
19.33	132.13	-8.45	237.16	57.77	179.39	4.11	89.70	147.47
19.47	132.08	-8.50	237.74	57.82	179.93	4.11	89.96	147.78
19.54	131.91	-8.67	238.15	57.99	180.15	4.11	90.08	148.07
19.60	132.06	-8.52	238.17	57.84	180.33	4.12	90.16	148.00
19.67	132.15	-8.43	238.32	57.75	180.57	4.13	90.29	148.03
19.78	132.05	-8.53	238.96	57.85	181.11	4.13	90.55	148.41
19.81	132.04	-8.54	239.18	57.86	181.33	4.13	90.66	148.52
19.88	131.94	-8.64	239.52	57.96	181.56	4.13	90.78	148.74
19.95	131.94	-8.64	239.91	57.96	181.95	4.14	90.97	148.94
20.02	131.94	-8.64	240.16	57.96	182.20	4.14	91.10	149.06
20.10	131.85	-8.73	240.55	58.06	182.50	4.14	91.25	149.30
20.16	131.76	-8.82	240.77	58.14	182.63	4.14	91.32	149.45
20.27	131.74	-8.84	241.02	58.16	182.87	4.14	91.43	149.59
20.30	131.73	-8.85	241.15	58.17	182.98	4.15	91.49	149.66
20.37	131.60	-8.98	241.47	58.30	183.17	4.14	91.58	149.89
20.44	131.56	-9.02	241.72	58.34	183.38	4.14	91.69	150.03
20.57	131.64	-8.94	241.55	58.27	183.28	4.15	91.64	149.91
20.57	131.61	-8.97	241.56	58.29	183.27	4.14	91.64	149.93
20.64	131.64	-8.94	241.90	58.26	183.64	4.15	91.82	150.08

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....2G

CORE INCREMENT.....123-131 cm

TEST NUMBER.....TE46

FINAL LATERAL CONSOLIDATION STRESS 108.67 kPa

INDUCED OCR..... 3.00

LOAD ZERO FACTOR..... .63 Kg

TRANSDUCER ZERO FACTOR.....-4.20 kPa

LVDT ZERO FACTOR..... .60 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	141.23	0.00	108.67	108.67	0.00	1.00	0.00	108.67
.00	141.37	.14	110.17	108.53	1.64	1.02	.82	109.35
.02	142.12	.89	112.00	107.78	4.22	1.04	2.11	109.89
.03	144.42	3.19	117.90	105.48	12.41	1.12	6.21	111.69
.04	146.87	5.64	123.42	103.03	20.39	1.20	10.19	113.23
.04	148.78	7.55	129.04	101.12	27.92	1.28	13.96	115.08
.05	150.52	9.29	133.74	99.38	34.36	1.35	17.18	116.56
.06	152.06	10.83	138.29	97.84	40.45	1.41	20.22	118.07
.07	153.73	12.50	143.22	96.17	47.04	1.49	23.52	119.70
.08	156.75	15.52	153.94	93.15	60.79	1.65	30.40	123.55
.11	159.39	18.16	165.17	90.51	74.67	1.82	37.33	127.84
.13	161.48	20.25	176.44	88.42	88.03	2.00	44.01	132.43
.15	163.02	21.79	187.44	86.88	100.56	2.16	50.28	137.16
.18	164.12	22.89	197.98	85.79	112.20	2.31	56.10	141.88
.20	164.84	23.61	208.03	85.06	122.97	2.45	61.48	146.55
.26	165.42	24.19	225.41	84.48	140.93	2.67	70.46	154.95
.31	165.28	24.05	239.80	84.62	155.18	2.83	77.59	162.21
.37	164.88	23.65	251.23	85.02	166.22	2.96	83.11	168.13
.43	164.40	23.17	259.99	85.50	174.49	3.04	87.25	172.74
.50	164.14	22.91	266.45	85.76	180.69	3.11	90.34	176.10
.56	163.97	22.74	271.88	85.93	185.95	3.16	92.97	178.90
.63	164.00	22.77	275.98	85.90	190.08	3.21	95.04	180.94
.69	164.11	22.88	279.01	85.79	193.22	3.25	96.61	182.40
.76	164.36	23.13	281.59	85.55	196.04	3.29	98.02	183.57
.82	164.65	23.42	284.02	85.25	198.77	3.33	99.38	184.64
.89	165.01	23.78	285.98	84.89	201.08	3.37	100.54	185.43
.95	165.41	24.18	287.59	84.49	203.10	3.40	101.55	186.04
1.02	165.85	24.62	288.97	84.05	204.92	3.44	102.46	186.51
1.09	166.28	25.05	290.17	83.62	206.55	3.47	103.28	186.89
1.16	166.82	25.59	291.22	83.08	208.14	3.51	104.07	187.15
1.29	167.73	26.50	293.12	82.17	210.95	3.57	105.47	187.65
1.42	168.65	27.42	294.56	81.25	213.30	3.63	106.65	187.91
1.56	169.54	28.31	296.09	80.36	215.73	3.68	107.87	188.23
1.69	170.34	29.11	297.45	79.56	217.89	3.74	108.94	188.50
1.83	171.18	29.95	298.52	78.72	219.80	3.79	109.90	188.62
1.97	171.92	30.69	299.74	77.99	221.75	3.84	110.88	188.86
2.10	172.62	31.39	300.72	77.28	223.44	3.89	111.72	189.00
2.24	173.25	32.02	301.87	76.66	225.21	3.94	112.61	189.26
2.37	174.33	33.10	302.43	75.57	226.86	4.00	113.43	189.00
2.51	174.84	33.61	303.42	75.06	228.36	4.04	114.18	189.24
2.65	175.33	34.10	304.66	74.57	230.09	4.09	115.05	189.62
2.78	175.79	34.56	305.71	74.12	231.60	4.12	115.80	189.91
2.92	176.18	34.95	306.66	73.72	232.93	4.16	116.47	190.19
3.06	176.63	35.40	307.45	73.27	234.18	4.20	117.09	190.36
3.20	176.92	35.69	308.67	72.98	235.70	4.23	117.85	190.83
3.33	177.32	36.09	309.67	72.58	237.09	4.27	118.55	191.12
3.47	177.63	36.40	310.74	72.27	238.47	4.30	119.24	191.51
3.61	177.93	36.70	311.78	71.97	239.80	4.33	119.90	191.88
3.75	178.23	37.00	312.82	71.67	241.15	4.36	120.58	192.25
3.88	178.45	37.22	313.98	71.45	242.53	4.39	121.26	192.71
4.57	179.40	38.17	319.08	70.50	248.58	4.53	124.29	194.79
5.25	179.86	38.63	324.17	70.04	254.13	4.63	127.06	197.10
5.73	180.04	38.81	327.90	69.87	258.04	4.69	129.02	198.88
5.80	180.06	38.83	328.34	69.84	258.49	4.70	129.25	199.09

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
5.86	180.06	38.83	328.79	69.85	258.95	4.71	129.47	199.32
5.93	180.11	38.88	329.17	69.79	259.38	4.72	129.69	199.48
6.00	180.09	38.86	329.92	69.81	260.11	4.73	130.06	199.87
6.17	180.02	38.79	331.24	69.88	261.37	4.74	130.68	200.56
6.20	180.06	38.83	331.47	69.84	261.63	4.75	130.82	200.65
6.88	179.76	38.53	336.71	70.14	266.56	4.80	133.28	203.43
7.55	179.33	38.10	341.62	70.57	271.06	4.84	135.53	206.10
8.23	178.68	37.45	346.35	71.22	275.13	4.86	137.56	208.79
8.91	178.08	36.85	350.27	71.82	278.45	4.88	139.23	211.04
9.60	177.40	36.17	353.85	72.50	281.36	4.88	140.68	213.17
10.29	176.65	35.42	357.03	73.25	283.79	4.87	141.89	215.14
10.99	175.87	34.64	359.44	74.03	285.41	4.86	142.70	216.74
11.68	174.98	33.75	361.35	74.92	286.43	4.82	143.21	218.14
12.38	173.98	32.75	363.27	75.92	287.34	4.78	143.67	219.60
13.07	173.17	31.94	364.72	76.73	287.99	4.75	143.99	220.72
13.73	172.08	30.85	367.34	77.82	289.53	4.72	144.76	222.58
13.76	172.32	31.09	367.09	77.58	289.51	4.73	144.76	222.33
14.44	171.35	30.12	369.02	78.55	290.48	4.70	145.24	223.79
15.12	170.58	29.35	369.92	79.33	290.60	4.66	145.30	224.62
15.81	170.05	28.82	370.63	79.85	290.77	4.64	145.39	225.24
16.05	169.89	28.66	370.21	80.01	290.21	4.63	145.10	225.11
16.75	169.56	28.33	368.48	80.35	288.14	4.59	144.07	224.41
17.11	169.68	28.45	367.36	80.22	287.14	4.58	143.57	223.79
17.80	170.70	29.47	363.90	79.20	284.70	4.59	142.35	221.55
18.48	171.23	30.00	363.39	78.67	284.72	4.62	142.36	221.03
19.16	171.38	30.15	362.59	78.52	284.07	4.62	142.04	220.55
19.85	172.40	31.17	356.82	77.50	279.32	4.60	139.66	217.16
20.54	173.94	32.71	352.06	75.96	276.10	4.63	138.05	214.01
21.23	174.69	33.46	351.04	75.21	275.83	4.67	137.92	213.13
21.92	174.96	33.73	352.41	74.94	277.47	4.70	138.73	213.67
22.05	174.97	33.74	352.42	74.93	277.49	4.70	138.75	213.67
22.06	175.00	33.77	352.79	74.90	277.90	4.71	138.95	213.84

STATIC ANISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....2G

CORE INCREMENT.....151-160 cm

TEST NUMBER.....TE47

FINAL LATERAL CONSOLIDATION STRESS 197.56 kPa

FINAL AXIAL CONSOLIDATION STRESS 427.517 kPa

INDUCED OCR..... 1

LOAD ZERO FACTOR.....-7.02530546 Kg

TRANSDUCER ZERO FACTOR.....-2.3 kPa

LVDT ZERO FACTOR..... .7151 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	140.34	0.00	427.52	197.56	229.96	2.16	114.98	312.54
.00	140.51	.17	429.13	197.39	231.74	2.17	115.87	313.26
.01	143.38	3.04	443.31	194.52	248.79	2.28	124.40	318.92
.02	145.58	5.24	454.56	192.32	262.24	2.36	131.12	323.44
.04	147.91	7.57	462.45	189.99	272.46	2.43	136.23	326.22
.05	149.52	9.18	468.46	188.38	280.08	2.49	140.04	328.42
.06	151.65	11.31	472.06	186.25	285.81	2.53	142.90	329.15
.08	153.32	12.98	473.44	184.58	288.86	2.56	144.43	329.01
.10	155.16	14.82	473.36	182.74	290.62	2.59	145.31	328.05
.11	156.99	16.65	472.68	180.91	291.77	2.61	145.89	326.80
.13	158.80	18.46	471.03	179.10	291.93	2.63	145.96	325.06
.15	160.75	20.41	468.99	177.15	291.84	2.65	145.92	323.07
.17	162.55	22.21	466.86	175.35	291.51	2.66	145.76	321.11
.18	164.30	23.96	464.82	173.60	291.22	2.68	145.61	319.21
.20	166.05	25.71	462.90	171.85	291.05	2.69	145.52	317.37
.22	167.63	27.29	460.68	170.27	290.41	2.71	145.21	315.48
.23	169.71	29.37	458.27	168.19	290.08	2.72	145.04	313.23
.26	171.02	30.68	455.41	166.88	288.53	2.73	144.27	311.15
.27	172.59	32.25	454.40	165.31	289.09	2.75	144.55	309.86
.29	173.91	33.57	452.69	163.99	288.70	2.76	144.35	308.34
.30	175.72	35.38	450.30	162.18	288.12	2.78	144.06	306.24
.32	176.52	36.18	449.29	161.38	287.91	2.78	143.96	305.34
.34	178.06	37.72	447.29	159.84	287.45	2.80	143.73	303.57
.36	179.28	38.94	445.60	158.62	286.98	2.81	143.49	302.11
.37	180.74	40.40	443.66	157.16	286.50	2.82	143.25	300.41
.39	181.98	41.64	442.08	155.92	286.16	2.84	143.08	299.00
.41	183.07	42.73	440.41	154.83	285.58	2.84	142.79	297.62
.44	185.39	45.05	437.23	152.51	284.72	2.87	142.36	294.87
.48	187.33	46.99	434.57	150.57	284.00	2.89	142.00	292.57
.51	189.19	48.85	432.15	148.71	283.44	2.91	141.72	290.43
.65	196.30	55.96	422.37	141.60	280.77	2.98	140.39	281.99
.72	199.23	58.89	418.47	138.67	279.80	3.02	139.90	278.57
.79	201.91	61.57	414.59	135.99	278.60	3.05	139.30	275.29
.86	204.53	64.19	411.31	133.37	277.94	3.08	138.97	272.34
.93	206.54	66.20	408.62	131.36	277.26	3.11	138.63	269.99
1.00	208.74	68.40	405.54	129.16	276.38	3.14	138.19	267.35
1.07	210.60	70.26	402.93	127.30	275.63	3.17	137.82	265.12
1.14	212.44	72.10	400.48	125.46	275.02	3.19	137.51	262.97
1.21	214.12	73.78	398.24	123.78	274.46	3.22	137.23	261.01
1.28	215.60	75.26	396.13	122.30	273.83	3.24	136.91	259.21
1.35	216.99	76.65	394.35	120.91	273.44	3.26	136.72	257.63
1.42	218.32	77.98	392.41	119.58	272.83	3.28	136.42	256.00
1.56	220.65	80.31	389.80	117.25	272.55	3.32	136.28	253.52
1.70	222.69	82.35	386.54	115.21	271.33	3.36	135.67	250.88
1.84	224.60	84.26	383.94	113.30	270.64	3.39	135.32	248.62
1.98	226.32	85.98	382.12	111.58	270.54	3.42	135.27	246.85
2.12	227.80	87.46	380.25	110.10	270.15	3.45	135.08	245.17
2.26	229.21	88.87	378.81	108.69	270.12	3.49	135.06	243.75
2.41	230.37	90.03	377.46	107.53	269.93	3.51	134.97	242.49
2.63	232.00	91.66	376.07	105.90	270.18	3.55	135.09	240.99
2.69	232.45	92.11	375.43	105.45	269.98	3.56	134.99	240.44
2.90	233.75	93.41	374.45	104.15	270.31	3.60	135.15	239.30
2.97	234.15	93.81	374.36	103.75	270.61	3.61	135.30	239.06
3.11	234.98	94.64	373.63	102.92	270.71	3.63	135.36	238.28

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
3.25	235.54	95.20	373.21	102.36	270.85	3.65	135.43	237.78
3.39	236.39	96.05	371.99	101.51	270.48	3.66	135.24	236.75
3.54	236.96	96.62	371.43	100.94	270.49	3.68	135.25	236.19
3.68	237.49	97.15	371.07	100.41	270.67	3.70	135.33	235.74
3.82	237.93	97.59	370.86	99.97	270.89	3.71	135.44	235.42
3.96	238.37	98.03	370.90	99.54	271.37	3.73	135.69	235.22
4.10	238.91	98.57	370.81	98.99	271.82	3.75	135.91	234.90
4.25	239.34	99.00	370.46	98.56	271.91	3.76	135.95	234.51
4.39	239.68	99.34	370.29	98.22	272.07	3.77	136.04	234.25
4.53	239.98	99.64	370.36	97.92	272.44	3.78	136.22	234.14
4.68	240.27	99.93	370.07	97.63	272.44	3.79	136.22	233.85
4.82	240.48	100.14	370.12	97.42	272.71	3.80	136.35	233.77
4.96	240.86	100.52	369.85	97.05	272.80	3.81	136.40	233.45
5.11	241.07	100.73	369.84	96.83	273.01	3.82	136.51	233.33
5.25	241.14	100.80	369.75	96.76	272.99	3.82	136.49	233.26
5.39	241.44	101.10	368.64	96.46	272.18	3.82	136.09	232.55
5.54	241.59	101.25	368.65	96.31	272.34	3.83	136.17	232.48
6.31	242.23	101.89	368.43	95.67	272.76	3.85	136.38	232.05
7.17	242.30	101.96	367.62	95.60	272.02	3.85	136.01	231.61
7.69	242.23	101.89	367.44	95.67	271.77	3.84	135.88	231.55
8.41	241.97	101.63	367.54	95.94	271.60	3.83	135.80	231.74
9.12	241.51	101.17	366.73	96.39	270.34	3.80	135.17	231.56
9.86	241.02	100.68	366.25	96.88	269.36	3.78	134.68	231.56
10.56	240.22	99.88	366.54	97.68	268.86	3.75	134.43	232.11
11.36	239.55	99.21	365.00	98.35	266.65	3.71	133.33	231.68
12.27	240.38	100.04	353.54	97.52	256.02	3.63	128.01	225.53
12.93	242.43	102.09	343.53	95.47	248.07	3.60	124.03	219.50
13.58	243.94	103.60	337.15	93.96	243.19	3.59	121.60	215.56
14.44	245.27	104.93	330.38	92.63	237.75	3.57	118.88	211.51
15.04	246.32	105.98	326.86	91.58	235.28	3.57	117.64	209.22
15.77	247.91	107.57	322.58	89.99	232.59	3.58	116.30	206.28
16.50	248.67	108.33	319.92	89.23	230.69	3.59	115.34	204.57
17.31	250.02	109.68	314.60	87.89	226.72	3.58	113.36	201.24
18.10	251.28	110.94	310.62	86.63	224.00	3.59	112.00	198.62
19.02	252.31	111.97	307.70	85.59	222.11	3.59	111.05	196.64
19.55	252.66	112.32	308.09	85.24	222.85	3.61	111.43	196.67
20.28	252.51	112.17	309.46	85.39	224.07	3.62	112.03	197.43
21.00	252.33	111.99	310.22	85.57	224.64	3.63	112.32	197.89
21.73	252.20	111.86	309.33	85.70	223.63	3.61	111.81	197.52
22.38	252.44	112.10	307.12	85.46	221.66	3.59	110.83	196.29

STATIC ISOTROPICALLY CONSOLIDATED- DRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....6G

CORE INCREMENT.....100-109 cm

TEST NUMBER.....TE53

FINAL LATERAL CONSOLIDATION STRESS 253.14 kPa

INDUCED OCR..... 1

LOAD ZERO FACTOR..... .65012508 Kg

TRANSDUCER ZERO FACTOR.....-5.9 kPa

LVDT ZERO FACTOR..... .099551 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1′ (kPa)	SIG3′ (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	282.66	0.00	253.14	253.14	0.00	1.00	0.00	253.14
-.00	282.70	.04	253.34	253.10	.24	1.00	.12	253.22
.00	282.70	.04	255.08	253.10	1.98	1.01	.99	254.09
.01	282.73	.07	255.16	253.07	2.09	1.01	1.05	254.12
.03	282.71	.05	255.20	253.09	2.11	1.01	1.06	254.15
.04	282.70	.04	255.29	253.10	2.19	1.01	1.10	254.20
.06	282.74	.08	255.23	253.06	2.17	1.01	1.09	254.15
.09	282.71	.05	256.50	253.09	3.41	1.01	1.70	254.79
.11	282.70	.04	267.59	253.10	14.49	1.06	7.25	260.35
.13	282.74	.08	284.51	253.06	31.45	1.12	15.73	268.79
.14	282.72	.06	293.09	253.08	40.01	1.16	20.00	273.08
.15	282.72	.06	301.77	253.08	48.69	1.19	24.35	277.43
.16	282.72	.06	309.72	253.08	56.64	1.22	28.32	281.40
.17	282.73	.07	317.17	253.07	64.10	1.25	32.05	285.12
.18	282.74	.08	324.22	253.06	71.16	1.28	35.58	288.64
.19	282.72	.06	330.72	253.08	77.64	1.31	38.82	291.90
.20	282.73	.07	336.81	253.07	83.74	1.33	41.87	294.94
.21	282.74	.08	342.26	253.06	89.20	1.35	44.60	297.66
.23	282.77	.11	347.35	253.03	94.32	1.37	47.16	300.19
.24	282.76	.10	352.00	253.04	98.96	1.39	49.48	302.52
.26	282.79	.13	356.05	253.01	103.04	1.41	51.52	304.53
.27	282.82	.16	359.33	252.98	106.35	1.42	53.18	306.16
.28	282.82	.16	362.44	252.98	109.46	1.43	54.73	307.71
.33	282.81	.15	370.58	252.99	117.59	1.46	58.80	311.79
.36	282.79	.13	375.09	253.01	122.08	1.48	61.04	314.05
.39	282.86	.20	378.35	252.94	125.41	1.50	62.70	315.64
.42	282.85	.19	381.50	252.95	128.55	1.51	64.27	317.22
.45	282.85	.19	384.32	252.95	131.37	1.52	65.68	318.63
.48	282.85	.19	386.95	252.95	134.00	1.53	67.00	319.95
.51	282.87	.21	389.72	252.93	136.79	1.54	68.40	321.33
.54	282.87	.21	391.94	252.93	139.01	1.55	69.50	322.43
.57	282.86	.20	394.61	252.94	141.67	1.56	70.84	323.78
.60	282.85	.19	396.63	252.95	143.68	1.57	71.84	324.79
.63	282.86	.20	398.82	252.94	145.88	1.58	72.94	325.88
.69	282.89	.23	403.05	252.91	150.14	1.59	75.07	327.98
.76	282.95	.29	407.06	252.85	154.21	1.61	77.11	329.96
.82	282.94	.28	411.23	252.86	158.37	1.63	79.18	332.04
.88	282.90	.24	414.93	252.90	162.03	1.64	81.01	333.91
.94	282.94	.28	418.86	252.86	166.00	1.66	83.00	335.86
1.01	282.96	.30	422.58	252.84	169.74	1.67	84.87	337.71
1.07	283.00	.34	426.51	252.80	173.71	1.69	86.86	339.66
1.13	283.00	.34	429.72	252.80	176.92	1.70	88.46	341.26
1.19	283.03	.37	433.68	252.77	180.91	1.72	90.46	343.23
1.26	283.02	.36	437.50	252.78	184.72	1.73	92.36	345.14
1.32	283.09	.43	441.08	252.71	188.37	1.75	94.19	346.90
1.38	283.08	.42	444.65	252.72	191.93	1.76	95.96	348.68
1.45	283.11	.45	448.46	252.69	195.77	1.77	97.88	350.57
1.51	283.15	.49	452.30	252.65	199.65	1.79	99.82	352.47
1.64	283.20	.54	459.43	252.60	206.83	1.82	103.42	356.02
1.76	283.23	.57	466.78	252.57	214.21	1.85	107.10	359.67
1.89	283.27	.61	473.76	252.53	221.23	1.88	110.62	363.15
2.02	283.31	.65	481.35	252.49	228.86	1.91	114.43	366.92
2.14	283.32	.66	488.36	252.48	235.88	1.93	117.94	370.42
2.27	283.36	.70	495.42	252.44	242.98	1.96	121.49	373.93

STRN (%)	U (kPa)	DELU (kPa)	SIG1′ (kPa)	SIG3′ (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
2.40	283.39	.73	502.51	252.41	250.10	1.99	125.05	377.46
2.53	283.40	.74	509.49	252.40	257.09	2.02	128.55	380.95
2.64	283.42	.76	514.83	252.38	262.45	2.04	131.22	383.60
2.76	283.42	.76	522.97	252.38	270.59	2.07	135.29	387.67
2.89	283.46	.80	529.57	252.34	277.23	2.10	138.62	390.96
3.02	283.45	.79	536.47	252.35	284.12	2.13	142.06	394.41
3.15	283.46	.80	543.16	252.34	290.82	2.15	145.41	397.75
3.28	282.33	-.33	550.65	253.47	297.18	2.17	148.59	402.06
3.41	282.37	-.29	557.04	253.43	303.61	2.20	151.80	405.23
3.54	282.38	-.28	563.86	253.42	310.44	2.23	155.22	408.64
3.67	282.41	-.25	570.40	253.39	317.01	2.25	158.51	411.90
3.80	282.40	-.26	576.90	253.40	323.50	2.28	161.75	415.15
3.93	282.45	-.21	583.13	253.35	329.78	2.30	164.89	418.24
4.07	282.45	-.21	589.48	253.35	336.13	2.33	168.07	421.42
4.20	282.50	-.16	596.22	253.30	342.92	2.35	171.46	424.76
4.85	282.54	-.12	626.62	253.26	373.36	2.47	186.68	439.94
5.51	282.68	.02	656.86	253.12	403.74	2.60	201.87	454.99
6.16	282.73	.07	685.63	253.07	432.56	2.71	216.28	469.35
6.82	282.91	.25	712.67	252.89	459.78	2.82	229.89	482.78
7.47	282.97	.31	738.74	252.83	485.91	2.92	242.96	495.79
8.12	283.03	.37	763.96	252.77	511.19	3.02	255.60	508.37
8.76	283.12	.46	787.22	252.68	534.54	3.12	267.27	519.95
9.41	283.21	.55	809.38	252.59	556.79	3.20	278.40	530.99
10.06	283.23	.57	829.42	252.57	576.85	3.28	288.42	540.99
10.71	283.29	.63	847.92	252.51	595.41	3.36	297.71	550.22
11.36	282.70	.04	865.59	253.10	612.49	3.42	306.25	559.35
12.01	282.76	.10	880.24	253.04	627.20	3.48	313.60	566.64
12.66	282.76	.10	893.37	253.04	640.33	3.53	320.16	573.20
13.32	282.63	-.03	906.42	253.17	653.25	3.58	326.62	579.79
13.97	282.59	-.07	920.54	253.21	667.33	3.64	333.66	586.87
14.68	282.63	-.03	934.52	253.17	681.35	3.69	340.67	593.84
15.31	282.64	-.02	945.56	253.16	692.40	3.74	346.20	599.36
16.06	282.75	.09	956.92	253.05	703.87	3.78	351.93	604.98
16.66	282.84	.18	964.06	252.96	711.10	3.81	355.55	608.51
17.31	282.90	.24	970.92	252.90	718.02	3.84	359.01	611.91
17.99	282.96	.30	976.39	252.84	723.55	3.86	361.77	614.61
18.66	283.00	.34	978.20	252.80	725.40	3.87	362.70	615.50
19.32	283.03	.37	976.82	252.77	724.05	3.86	362.02	614.79
19.99	283.10	.44	968.94	252.70	716.24	3.83	358.12	610.82
20.65	283.17	.51	959.75	252.63	707.12	3.80	353.56	606.19
21.31	283.11	.45	955.02	252.69	702.33	3.78	351.16	603.85
21.98	282.85	.19	954.89	252.95	701.94	3.78	350.97	603.92
22.65	282.87	.21	952.19	252.93	699.26	3.76	349.63	602.56
23.32	282.88	.22	951.39	252.92	698.47	3.76	349.24	602.16
24.00	282.96	.30	948.74	252.84	695.90	3.75	347.95	600.79
24.03	282.91	.25	948.60	252.89	695.71	3.75	347.85	600.74
24.23	282.94	.28	948.03	252.86	695.17	3.75	347.59	600.45
24.23	282.94	.28	947.89	252.86	695.03	3.75	347.51	600.37
24.24	282.95	.29	947.88	252.85	695.03	3.75	347.52	600.37
24.25	282.95	.29	947.71	252.85	694.86	3.75	347.43	600.28
24.25	282.95	.29	947.70	252.85	694.85	3.75	347.42	600.27
24.26	282.93	.27	947.61	252.87	694.74	3.75	347.37	600.24
24.27	282.95	.29	947.36	252.85	694.51	3.75	347.26	600.11
24.27	282.93	.27	947.40	252.87	694.53	3.75	347.27	600.14

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
24.28	282.93	.27	947.36	252.87	694.49	3.75	347.25	600.12
24.29	282.93	.27	947.13	252.87	694.26	3.75	347.13	600.00
24.30	282.92	.26	947.20	252.88	694.32	3.75	347.16	600.04
24.30	282.91	.25	947.08	252.89	694.19	3.75	347.10	599.99
24.31	282.93	.27	947.03	252.87	694.16	3.75	347.08	599.95
24.32	282.93	.27	947.01	252.87	694.14	3.75	347.07	599.94
24.32	282.96	.30	946.92	252.84	694.08	3.75	347.04	599.88
24.33	282.92	.26	946.73	252.88	693.85	3.74	346.93	599.81
24.34	282.92	.26	946.59	252.88	693.71	3.74	346.85	599.73
24.34	282.92	.26	946.66	252.88	693.78	3.74	346.89	599.77
24.35	282.93	.27	946.42	252.87	693.55	3.74	346.77	599.64
24.35	282.93	.27	946.24	252.87	693.37	3.74	346.69	599.56
24.36	282.92	.26	946.18	252.88	693.30	3.74	346.65	599.53
24.37	282.92	.26	946.13	252.88	693.25	3.74	346.63	599.51
24.39	282.94	.28	945.93	252.86	693.07	3.74	346.53	599.39
24.40	282.94	.28	945.88	252.86	693.02	3.74	346.51	599.37
24.42	282.97	.31	945.89	252.83	693.06	3.74	346.53	599.36
24.44	282.96	.30	945.70	252.84	692.86	3.74	346.43	599.27
24.45	282.95	.29	945.88	252.85	693.03	3.74	346.52	599.37
24.47	282.96	.30	946.00	252.84	693.16	3.74	346.58	599.42
24.49	282.95	.29	945.72	252.85	692.87	3.74	346.43	599.28
24.50	282.96	.30	945.20	252.84	692.36	3.74	346.18	599.02
24.52	282.93	.27	945.06	252.87	692.19	3.74	346.10	598.97
24.54	282.94	.28	944.78	252.86	691.92	3.74	345.96	598.82
24.55	282.95	.29	944.63	252.85	691.78	3.74	345.89	598.74
24.57	282.94	.28	944.37	252.86	691.51	3.73	345.76	598.62
24.59	282.92	.26	944.36	252.88	691.48	3.73	345.74	598.62
24.60	282.95	.29	944.02	252.85	691.17	3.73	345.58	598.43
24.62	282.96	.30	944.07	252.84	691.23	3.73	345.62	598.46
24.64	282.95	.29	943.91	252.85	691.06	3.73	345.53	598.38
24.66	282.94	.28	943.78	252.86	690.92	3.73	345.46	598.32
24.67	282.94	.28	943.41	252.86	690.55	3.73	345.28	598.14
24.69	282.96	.30	943.31	252.84	690.47	3.73	345.24	598.08
24.71	282.97	.31	943.03	252.83	690.20	3.73	345.10	597.93
24.72	282.95	.29	942.90	252.85	690.05	3.73	345.03	597.88
24.74	282.96	.30	942.60	252.84	689.76	3.73	344.88	597.72
24.76	282.96	.30	942.51	252.84	689.67	3.73	344.84	597.68
24.77	282.95	.29	942.23	252.85	689.38	3.73	344.69	597.54
24.79	282.95	.29	941.91	252.85	689.06	3.73	344.53	597.38
24.81	282.93	.27	941.66	252.87	688.79	3.72	344.40	597.27
24.82	282.92	.26	941.62	252.88	688.74	3.72	344.37	597.25
24.84	282.92	.26	941.51	252.88	688.63	3.72	344.31	597.19
24.86	282.95	.29	941.20	252.85	688.35	3.72	344.17	597.02
24.87	282.93	.27	940.92	252.87	688.05	3.72	344.03	596.90
24.89	282.97	.31	940.68	252.83	687.85	3.72	343.93	596.76
24.91	282.93	.27	940.43	252.87	687.56	3.72	343.78	596.65
24.92	282.93	.27	940.38	252.87	687.51	3.72	343.76	596.63
24.94	282.94	.28	940.23	252.86	687.37	3.72	343.68	596.54
24.96	282.96	.30	939.99	252.84	687.15	3.72	343.58	596.42
24.97	282.97	.31	939.94	252.83	687.11	3.72	343.55	596.38
24.99	282.97	.31	939.65	252.83	686.82	3.72	343.41	596.24
25.01	282.97	.31	939.50	252.83	686.67	3.72	343.33	596.16
25.03	282.95	.29	939.66	252.85	686.81	3.72	343.40	596.25
25.04	282.93	.27	939.39	252.87	686.52	3.71	343.26	596.13

STRN (%)	U (kPa)	DELU (kPa)	SIG1′ (kPa)	SIG3′ (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
25.06	282.94	.28	939.17	252.86	686.31	3.71	343.16	596.02
25.08	282.96	.30	938.98	252.84	686.14	3.71	343.07	595.91
25.09	282.96	.30	939.00	252.84	686.16	3.71	343.08	595.92
25.11	282.96	.30	938.95	252.84	686.11	3.71	343.06	595.90
25.13	282.96	.30	938.94	252.84	686.10	3.71	343.05	595.89
25.14	282.95	.29	938.87	252.85	686.02	3.71	343.01	595.86
25.16	282.97	.31	938.72	252.83	685.89	3.71	342.95	595.78
25.18	282.97	.31	938.43	252.83	685.60	3.71	342.80	595.63
25.21	282.97	.31	938.36	252.83	685.53	3.71	342.76	595.59
25.28	282.96	.30	937.91	252.84	685.07	3.71	342.54	595.38
25.35	282.96	.30	937.56	252.84	684.72	3.71	342.36	595.20
25.41	282.97	.31	937.17	252.83	684.34	3.71	342.17	595.00
25.48	282.97	.31	937.29	252.83	684.46	3.71	342.23	595.06
25.55	282.92	.26	937.59	252.88	684.71	3.71	342.35	595.23
25.61	282.96	.30	937.15	252.84	684.31	3.71	342.16	595.00
25.68	282.97	.31	936.50	252.83	683.67	3.70	341.84	594.67
25.75	283.01	.35	936.66	252.79	683.87	3.71	341.93	594.72

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....6G

CORE INCREMENT.....155-164 cm

TEST NUMBER.....TE49

FINAL LATERAL CONSOLIDATION STRESS 297.51 kPa

INDUCED OCR..... 1

LOAD ZERO FACTOR..... .49795454 Kg

TRANSDUCER ZERO FACTOR.....-2.2 kPa

LVDT ZERO FACTOR..... 1.09162 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	140.39	0.00	297.51	297.51	0.00	1.00	0.00	297.51
.02	144.38	3.99	308.41	293.52	14.89	1.05	7.44	300.96
.05	158.72	18.33	336.93	279.18	57.75	1.21	28.87	308.05
.09	171.88	31.49	357.67	266.02	91.65	1.34	45.82	311.84
.10	175.14	34.75	361.78	262.76	99.02	1.38	49.51	312.27
.11	178.72	38.33	365.61	259.18	106.43	1.41	53.21	312.39
.12	182.31	41.92	368.83	255.59	113.24	1.44	56.62	312.21
.13	185.97	45.58	371.54	251.93	119.61	1.47	59.80	311.74
.14	189.43	49.04	373.85	248.47	125.38	1.50	62.69	311.16
.15	193.09	52.70	375.64	244.81	130.83	1.53	65.41	310.22
.16	196.78	56.39	377.09	241.12	135.97	1.56	67.99	309.11
.18	200.54	60.15	378.27	237.36	140.91	1.59	70.45	307.81
.20	207.57	67.18	379.61	230.33	149.28	1.65	74.64	304.97
.23	214.54	74.15	379.82	223.36	156.46	1.70	78.23	301.59
.25	221.13	80.74	379.34	216.77	162.57	1.75	81.28	298.06
.28	227.51	87.12	378.27	210.39	167.88	1.80	83.94	294.33
.30	233.55	93.16	376.47	204.35	172.12	1.84	86.06	290.41
1.51	332.56	192.17	318.40	105.34	213.06	3.02	106.53	211.87
1.57	334.49	194.10	316.95	103.41	213.54	3.07	106.77	210.18
1.63	335.84	195.45	315.98	102.06	213.92	3.10	106.96	209.02
1.68	337.09	196.70	314.84	100.81	214.03	3.12	107.01	207.83
1.74	338.26	197.87	314.22	99.64	214.58	3.15	107.29	206.93
1.80	339.26	198.87	313.55	98.64	214.91	3.18	107.45	206.10
1.91	341.97	201.58	311.24	95.93	215.31	3.24	107.66	203.59
2.03	343.68	203.29	310.08	94.22	215.86	3.29	107.93	202.15
2.14	345.94	205.55	308.53	91.96	216.56	3.35	108.28	200.25
2.26	347.35	206.96	307.70	90.55	217.15	3.40	108.58	199.13
2.37	349.21	208.82	306.25	88.70	217.56	3.45	108.78	197.47
2.48	350.43	210.04	305.53	87.47	218.06	3.49	109.03	196.50
2.60	351.37	210.98	305.02	86.53	218.49	3.53	109.25	195.77
2.71	352.75	212.36	304.07	85.15	218.93	3.57	109.46	194.61
2.83	353.53	213.14	303.72	84.37	219.35	3.60	109.68	194.05
2.94	354.80	214.41	302.95	83.10	219.85	3.65	109.92	193.02
3.06	355.42	215.03	302.76	82.48	220.28	3.67	110.14	192.62
3.17	356.48	216.09	301.84	81.42	220.43	3.71	110.21	191.63
3.29	356.99	216.60	301.80	80.92	220.89	3.73	110.44	191.36
3.86	359.73	219.34	300.22	78.18	222.05	3.84	111.02	189.20
4.44	361.83	221.44	298.96	76.07	222.89	3.93	111.44	187.51
5.02	363.13	222.74	299.09	74.77	224.32	4.00	112.16	186.93
5.60	363.44	223.05	300.83	74.46	226.38	4.04	113.19	187.64
6.18	363.80	223.41	301.74	74.11	227.63	4.07	113.82	187.92
6.76	363.51	223.12	306.36	74.40	231.96	4.12	115.98	190.38
7.35	363.23	222.84	310.83	74.67	236.16	4.16	118.08	192.75
8.31	363.87	223.48	316.23	74.03	242.20	4.27	121.10	195.13
8.61	363.08	222.69	317.74	74.82	242.92	4.25	121.46	196.28
9.14	362.68	222.29	318.93	75.22	243.71	4.24	121.86	197.07
9.75	362.88	222.49	319.20	75.03	244.17	4.25	122.09	197.11
10.36	361.86	221.47	318.60	76.05	242.55	4.19	121.28	197.32
10.91	362.48	222.09	314.52	75.42	239.10	4.17	119.55	194.97
11.51	363.78	223.39	304.63	74.12	230.50	4.11	115.25	189.38
12.10	365.31	224.92	297.92	72.59	225.34	4.10	112.67	185.26
12.75	367.09	226.70	290.43	70.81	219.62	4.10	109.81	180.62
13.91	371.05	230.66	276.51	66.85	209.66	4.14	104.83	171.68
13.93	371.07	230.68	276.56	66.83	209.73	4.14	104.86	171.69

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
14.53	371.82	231.43	273.96	66.08	207.87	4.15	103.94	170.02
15.41	373.96	233.57	269.31	63.94	205.37	4.21	102.68	166.62
15.73	373.89	233.50	269.94	64.01	205.92	4.22	102.96	166.98
16.33	374.34	233.95	271.22	63.56	207.66	4.27	103.83	167.39
16.93	373.83	233.44	273.71	64.07	209.65	4.27	104.82	168.89
17.53	373.98	233.59	274.91	63.93	210.99	4.30	105.49	169.42
18.12	373.50	233.11	275.31	64.40	210.91	4.27	105.45	169.86
18.71	373.24	232.85	274.40	64.66	209.73	4.24	104.87	169.53
19.31	374.54	234.15	267.58	63.36	204.21	4.22	102.11	165.47

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....6G

CORE INCREMENT.....166-175 cm

TEST NUMBER.....TE50

FINAL LATERAL CONSOLIDATION STRESS 57.282 kPa

INDUCED OCR..... 6

LOAD ZERO FACTOR..... .74504512 Kg

TRANSDUCER ZERO FACTOR..... 3.9 kPa

LVDT ZERO FACTOR..... .41605 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	133.92	0.00	57.28	57.28	0.00	1.00	0.00	57.28
.01	133.88	-.04	58.18	57.32	.86	1.02	.43	57.75
.03	133.92	-.00	58.19	57.28	.91	1.02	.46	57.74
.04	133.91	-.01	58.22	57.29	.93	1.02	.47	57.75
.06	133.91	-.00	58.12	57.29	.83	1.01	.41	57.70
.08	134.47	.55	59.58	56.73	2.85	1.05	1.42	58.16
.09	135.77	1.85	62.72	55.43	7.29	1.13	3.64	59.07
.10	137.57	3.66	67.25	53.63	13.62	1.25	6.81	60.44
.11	139.35	5.43	71.39	51.85	19.54	1.38	9.77	61.62
.13	141.92	8.00	78.79	49.28	29.51	1.60	14.75	64.03
.15	143.77	9.85	85.18	47.43	37.75	1.80	18.88	66.31
.18	145.28	11.36	91.88	45.92	45.96	2.00	22.98	68.90
.21	146.43	12.51	98.85	44.77	54.07	2.21	27.04	71.81
.23	147.16	13.24	106.02	44.05	61.97	2.41	30.99	75.03
.26	147.58	13.66	113.22	43.62	69.60	2.60	34.80	78.42
.29	147.66	13.74	120.17	43.54	76.62	2.76	38.31	81.86
.32	147.55	13.63	126.97	43.65	83.32	2.91	41.66	85.31
.36	147.20	13.28	133.70	44.00	89.70	3.04	44.85	88.85
.39	146.68	12.76	140.18	44.53	95.65	3.15	47.83	92.35
.45	145.34	11.42	151.83	45.87	105.97	3.31	52.98	98.85
.52	143.72	9.80	162.44	47.48	114.96	3.42	57.48	104.96
.59	141.78	7.86	172.60	49.42	123.18	3.49	61.59	111.01
.65	140.32	6.40	179.46	50.88	128.58	3.53	64.29	115.17
.87	135.86	1.94	197.98	55.34	142.64	3.58	71.32	126.66
.93	134.87	.95	202.08	56.33	145.75	3.59	72.88	129.21
1.00	133.81	-.10	206.15	57.39	148.76	3.59	74.38	131.77
1.07	132.89	-1.03	209.88	58.32	151.56	3.60	75.78	134.10
1.18	131.57	-2.34	214.97	59.63	155.35	3.61	77.67	137.30
1.21	131.21	-2.71	216.36	59.99	156.36	3.61	78.18	138.17
1.28	130.58	-3.34	218.95	60.62	158.33	3.61	79.17	139.79
1.34	130.00	-3.92	221.44	61.20	160.23	3.62	80.12	141.32
1.41	129.44	-4.48	223.70	61.76	161.94	3.62	80.97	142.73
1.48	128.97	-4.94	225.86	62.23	163.64	3.63	81.82	144.04
1.55	128.51	-5.41	227.51	62.69	164.82	3.63	82.41	145.10
1.62	128.12	-5.80	229.56	63.08	166.47	3.64	83.24	146.32
1.69	127.76	-6.16	231.19	63.44	167.74	3.64	83.87	147.32
1.76	127.42	-6.50	232.79	63.78	169.01	3.65	84.50	148.29
1.84	127.09	-6.83	234.29	64.11	170.18	3.65	85.09	149.20
1.91	126.81	-7.11	235.75	64.39	171.37	3.66	85.68	150.07
1.98	126.57	-7.35	236.95	64.63	172.32	3.67	86.16	150.79
2.05	126.33	-7.59	238.20	64.87	173.32	3.67	86.66	151.53
2.12	126.10	-7.82	239.31	65.11	174.20	3.68	87.10	152.21
2.19	125.89	-8.02	240.40	65.31	175.10	3.68	87.55	152.85
2.26	125.74	-8.18	241.41	65.46	175.95	3.69	87.97	153.44
2.33	125.55	-8.37	242.76	65.65	177.11	3.70	88.55	154.21
2.47	125.21	-8.70	244.41	65.99	178.42	3.70	89.21	155.20
2.61	124.90	-9.02	246.08	66.31	179.78	3.71	89.89	156.19
2.75	124.64	-9.28	247.63	66.56	181.07	3.72	90.53	157.09
2.88	124.49	-9.43	249.12	66.72	182.40	3.73	91.20	157.92
2.89	124.49	-9.43	248.98	66.71	182.27	3.73	91.13	157.85
2.91	124.45	-9.47	249.52	66.75	182.76	3.74	91.38	158.14
2.93	124.40	-9.51	249.79	66.80	182.99	3.74	91.49	158.29
2.95	124.36	-9.56	249.98	66.84	183.14	3.74	91.57	158.41
2.96	124.34	-9.58	250.15	66.87	183.29	3.74	91.64	158.51

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
2.98	124.29	-9.63	250.40	66.91	183.49	3.74	91.75	158.65
3.00	124.25	-9.67	250.52	66.95	183.57	3.74	91.78	158.73
3.02	124.25	-9.67	250.72	66.95	183.77	3.74	91.88	158.84
3.04	124.23	-9.69	250.90	66.97	183.93	3.75	91.96	158.94
3.07	124.17	-9.75	251.25	67.03	184.22	3.75	92.11	159.14
3.11	124.12	-9.80	251.64	67.08	184.56	3.75	92.28	159.36
3.14	124.04	-9.88	252.04	67.16	184.89	3.75	92.44	159.60
3.18	124.03	-9.89	252.31	67.17	185.15	3.76	92.57	159.74
3.21	123.98	-9.94	252.72	67.22	185.50	3.76	92.75	159.97
3.25	123.93	-9.99	253.13	67.27	185.85	3.76	92.93	160.20
3.32	123.83	-10.09	253.98	67.37	186.61	3.77	93.30	160.68
3.39	123.75	-10.17	254.63	67.46	187.17	3.77	93.59	161.04
3.46	123.64	-10.28	255.17	67.56	187.61	3.78	93.81	161.37
3.53	123.56	-10.35	255.93	67.64	188.29	3.78	94.15	161.78
3.60	123.45	-10.47	256.66	67.75	188.91	3.79	94.45	162.20
3.67	123.39	-10.53	257.25	67.81	189.44	3.79	94.72	162.53
3.74	123.30	-10.62	257.90	67.90	190.00	3.80	95.00	162.90
3.81	123.23	-10.69	258.17	67.98	190.20	3.80	95.10	163.07
3.88	123.13	-10.79	258.82	68.07	190.75	3.80	95.37	163.44
3.95	123.04	-10.88	259.49	68.16	191.33	3.81	95.66	163.83
4.02	122.95	-10.97	260.04	68.25	191.78	3.81	95.89	164.15
4.09	122.85	-11.07	260.21	68.35	191.86	3.81	95.93	164.28
4.16	122.74	-11.18	260.84	68.46	192.39	3.81	96.19	164.65
4.23	122.66	-11.26	261.34	68.54	192.79	3.81	96.40	164.94
4.30	122.61	-11.31	261.74	68.59	193.15	3.82	96.58	165.17
4.37	122.49	-11.42	262.17	68.71	193.46	3.82	96.73	165.44
4.44	122.49	-11.43	262.51	68.72	193.79	3.82	96.90	165.61
4.51	122.39	-11.53	263.00	68.82	194.19	3.82	97.09	165.91
4.57	122.38	-11.54	263.48	68.82	194.66	3.83	97.33	166.15
4.64	122.27	-11.65	263.72	68.93	194.79	3.83	97.40	166.33
4.71	122.12	-11.80	264.61	69.08	195.53	3.83	97.76	166.84
4.78	121.99	-11.93	265.25	69.21	196.05	3.83	98.02	167.23
4.85	121.92	-12.00	265.64	69.29	196.36	3.83	98.18	167.47
5.09	121.58	-12.34	267.07	69.62	197.46	3.84	98.73	168.35
5.13	121.58	-12.34	267.26	69.63	197.64	3.84	98.82	168.44
5.20	121.45	-12.47	267.90	69.76	198.15	3.84	99.07	168.83
5.27	121.36	-12.56	268.39	69.84	198.55	3.84	99.28	169.12
5.34	121.23	-12.69	268.70	69.97	198.73	3.84	99.37	169.33
5.41	121.14	-12.78	269.20	70.06	199.14	3.84	99.57	169.63
5.48	121.07	-12.85	269.56	70.13	199.44	3.84	99.72	169.85
5.55	120.95	-12.97	270.09	70.25	199.84	3.84	99.92	170.17
5.62	120.80	-13.12	269.78	70.40	199.38	3.83	99.69	170.09
5.69	120.74	-13.18	270.80	70.46	200.33	3.84	100.17	170.63
5.76	120.64	-13.28	271.32	70.56	200.75	3.84	100.38	170.94
5.84	120.53	-13.39	271.74	70.68	201.06	3.84	100.53	171.21
5.91	120.42	-13.50	271.95	70.79	201.16	3.84	100.58	171.37
5.98	120.28	-13.63	272.27	70.92	201.36	3.84	100.68	171.60
6.05	120.22	-13.70	272.27	70.98	201.30	3.84	100.65	171.63
6.12	120.10	-13.82	272.58	71.10	201.48	3.83	100.74	171.84
6.19	119.98	-13.94	273.17	71.22	201.94	3.84	100.97	172.20
6.26	119.83	-14.09	273.85	71.37	202.48	3.84	101.24	172.61
6.33	119.69	-14.23	273.57	71.51	202.06	3.83	101.03	172.54
6.40	119.63	-14.28	274.27	71.57	202.70	3.83	101.35	172.92
7.11	118.45	-15.47	277.50	72.75	204.75	3.81	102.37	175.13

STRN (%)	U (kPa)	DELU (kPa)	SIG1′ (kPa)	SIG3′ (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
11.56	119.99	-13.93	256.03	71.21	184.82	3.60	92.41	163.62
11.96	120.97	-12.95	253.23	70.23	183.00	3.61	91.50	161.73
12.03	121.11	-12.80	253.00	70.09	182.91	3.61	91.46	161.54
12.10	121.27	-12.65	252.67	69.93	182.74	3.61	91.37	161.30
12.17	121.41	-12.51	251.98	69.79	182.18	3.61	91.09	160.89
12.38	121.90	-12.02	250.75	69.31	181.44	3.62	90.72	160.03
12.39	121.90	-12.02	250.74	69.30	181.44	3.62	90.72	160.02
12.46	122.07	-11.85	250.22	69.14	181.08	3.62	90.54	159.68
12.53	122.23	-11.69	250.23	68.97	181.26	3.63	90.63	159.60
13.24	123.31	-10.61	248.96	67.89	181.07	3.67	90.53	158.43
13.95	123.34	-10.58	248.11	67.86	180.25	3.66	90.12	157.98
14.66	123.54	-10.38	246.72	67.66	179.05	3.65	89.53	157.19
15.38	125.28	-8.64	240.38	65.92	174.46	3.65	87.23	153.15
16.09	126.61	-7.31	238.23	64.59	173.63	3.69	86.82	151.41
16.80	127.52	-6.40	236.47	63.68	172.79	3.71	86.40	150.08
17.36	128.19	-5.73	234.16	63.01	171.15	3.72	85.58	148.59
17.51	128.31	-5.61	234.75	62.89	171.86	3.73	85.93	148.82
17.79	128.48	-5.44	234.04	62.72	171.32	3.73	85.66	148.38
17.80	128.47	-5.45	234.12	62.73	171.39	3.73	85.69	148.42
17.81	128.50	-5.42	234.13	62.70	171.42	3.73	85.71	148.41
17.83	128.49	-5.43	234.32	62.71	171.60	3.74	85.80	148.52
17.85	128.50	-5.41	234.34	62.70	171.64	3.74	85.82	148.52
17.86	128.52	-5.40	234.20	62.68	171.52	3.74	85.76	148.44
17.88	128.52	-5.40	234.11	62.68	171.43	3.73	85.71	148.40
17.90	128.53	-5.39	234.21	62.67	171.54	3.74	85.77	148.44
17.92	128.55	-5.37	234.18	62.65	171.53	3.74	85.76	148.42
17.94	128.56	-5.36	234.17	62.64	171.53	3.74	85.77	148.41
17.95	128.57	-5.34	234.05	62.63	171.43	3.74	85.71	148.34
17.97	128.59	-5.33	234.09	62.61	171.48	3.74	85.74	148.35
17.99	128.57	-5.35	234.04	62.63	171.41	3.74	85.71	148.33
18.01	128.59	-5.33	234.17	62.61	171.56	3.74	85.78	148.39
18.02	128.61	-5.31	234.00	62.60	171.40	3.74	85.70	148.30
18.04	128.63	-5.29	233.97	62.58	171.39	3.74	85.70	148.27
18.06	128.62	-5.30	233.93	62.58	171.36	3.74	85.68	148.26
18.08	128.64	-5.28	233.83	62.56	171.27	3.74	85.63	148.19
18.10	128.65	-5.27	233.76	62.55	171.21	3.74	85.60	148.16
18.11	128.65	-5.27	233.59	62.55	171.03	3.73	85.52	148.07
18.13	128.66	-5.25	233.62	62.54	171.08	3.74	85.54	148.08
18.15	128.68	-5.24	233.52	62.52	170.99	3.73	85.50	148.02
18.17	128.68	-5.24	233.18	62.52	170.65	3.73	85.33	147.85
18.18	128.69	-5.23	233.23	62.51	170.72	3.73	85.36	147.87
18.20	128.71	-5.21	233.29	62.49	170.80	3.73	85.40	147.89
18.22	128.71	-5.21	233.29	62.49	170.79	3.73	85.40	147.89
18.24	128.73	-5.19	233.33	62.47	170.86	3.73	85.43	147.90
18.26	128.74	-5.18	233.40	62.46	170.95	3.74	85.47	147.93
18.27	128.78	-5.14	233.27	62.43	170.84	3.74	85.42	147.85
18.29	128.79	-5.13	233.08	62.42	170.66	3.73	85.33	147.75
18.31	128.78	-5.14	233.05	62.42	170.63	3.73	85.32	147.73
18.33	128.79	-5.13	232.86	62.41	170.44	3.73	85.22	147.63
18.34	128.81	-5.11	232.88	62.39	170.49	3.73	85.25	147.64
18.36	128.83	-5.09	232.97	62.37	170.60	3.74	85.30	147.67
18.43	128.88	-5.04	232.55	62.32	170.23	3.73	85.12	147.44
18.50	128.97	-4.95	232.58	62.24	170.34	3.74	85.17	147.41
18.58	129.04	-4.88	231.86	62.16	169.70	3.73	84.85	147.01

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
18.65	129.11	-4.81	231.30	62.09	169.21	3.73	84.60	146.69
18.72	129.18	-4.74	231.40	62.02	169.38	3.73	84.69	146.71
18.79	129.28	-4.64	231.22	61.92	169.30	3.73	84.65	146.57
18.86	129.33	-4.59	231.15	61.87	169.28	3.74	84.64	146.51
18.93	129.40	-4.52	230.70	61.81	168.90	3.73	84.45	146.25
19.00	129.47	-4.44	230.23	61.73	168.50	3.73	84.25	145.98
19.08	129.55	-4.37	230.20	61.66	168.55	3.73	84.27	145.93
19.15	129.63	-4.29	229.66	61.57	168.09	3.73	84.04	145.61
19.22	129.73	-4.18	229.87	61.47	168.41	3.74	84.20	145.67
19.58	130.09	-3.83	228.33	61.12	167.22	3.74	83.61	144.72
19.94	130.29	-3.63	228.39	60.91	167.48	3.75	83.74	144.65
20.30	130.34	-3.58	227.96	60.87	167.09	3.75	83.55	144.41
20.65	130.48	-3.44	228.21	60.72	167.49	3.76	83.74	144.47
21.02	130.45	-3.47	228.74	60.75	167.99	3.77	83.99	144.74
21.38	130.40	-3.52	229.61	60.80	168.81	3.78	84.40	145.20

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....6G

CORE INCREMENT.....199-208 cm

TEST NUMBER.....TE17

FINAL LATERAL CONSOLIDATION STRESS .21 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR..... .51 Kg

TRANSDUCER ZERO FACTOR..... .20 kPa

LVDT ZERO FACTOR..... .32 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	344.49	0.00	.21	.21	0.00	1.00	0.00	.21
.01	344.50	.01	.94	.20	.74	4.71	.37	.57
.02	344.50	.01	1.23	.20	1.03	6.26	.52	.71
.04	344.51	.02	1.48	.19	1.29	7.72	.64	.84
.05	344.52	.03	1.75	.18	1.56	9.59	.78	.96
.07	344.51	.02	1.82	.20	1.62	9.32	.81	1.01
.08	344.50	.01	1.98	.20	1.79	10.07	.89	1.09
.10	344.52	.03	2.08	.18	1.90	11.30	.95	1.13
.12	344.50	.01	2.27	.20	2.07	11.20	1.04	1.24
.15	344.49	.00	2.54	.21	2.33	12.22	1.17	1.37
.18	344.49	-.00	2.89	.21	2.68	13.51	1.34	1.55
.21	344.47	-.02	3.03	.23	2.80	13.13	1.40	1.63
.24	344.46	-.03	3.33	.24	3.09	13.83	1.55	1.79
.27	344.45	-.04	3.39	.25	3.14	13.35	1.57	1.82
.31	344.44	-.06	3.63	.27	3.36	13.69	1.68	1.95
.37	344.42	-.07	4.01	.28	3.73	14.33	1.87	2.15
.43	344.39	-.10	4.26	.31	3.95	13.79	1.98	2.28
.50	344.35	-.14	4.63	.35	4.28	13.09	2.14	2.49
.56	344.33	-.16	4.90	.37	4.53	13.28	2.27	2.63
.62	344.30	-.19	5.19	.40	4.79	12.92	2.40	2.80
.69	344.28	-.21	5.34	.42	4.92	12.59	2.46	2.88
.75	344.25	-.24	5.62	.45	5.17	12.57	2.59	3.03
.81	344.22	-.27	5.91	.48	5.43	12.24	2.71	3.20
.88	344.20	-.29	6.11	.50	5.61	12.29	2.81	3.30
.94	344.17	-.32	6.40	.53	5.88	12.15	2.94	3.47
1.00	344.14	-.35	6.62	.56	6.06	11.83	3.03	3.59
1.07	344.12	-.37	6.63	.58	6.05	11.35	3.02	3.61
1.13	344.11	-.38	7.03	.59	6.44	11.89	3.22	3.81
1.19	344.07	-.42	7.26	.63	6.63	11.54	3.31	3.94
1.26	344.05	-.44	7.51	.65	6.86	11.54	3.43	4.08
1.38	344.01	-.49	7.88	.70	7.18	11.34	3.59	4.29
1.51	343.93	-.56	8.29	.77	7.52	10.73	3.76	4.53
1.64	343.87	-.62	8.75	.83	7.92	10.57	3.96	4.79
1.76	343.80	-.69	9.20	.90	8.31	10.27	4.15	5.05
1.89	343.75	-.74	9.59	.95	8.64	10.11	4.32	5.27
2.02	343.70	-.79	9.89	1.00	8.90	9.92	4.45	5.45
2.14	343.66	-.83	10.31	1.04	9.27	9.92	4.63	5.67
2.27	343.59	-.90	10.49	1.11	9.39	9.49	4.69	5.80
2.39	343.54	-.95	10.76	1.16	9.61	9.29	4.80	5.96
2.52	343.48	-1.01	11.05	1.22	9.83	9.07	4.92	6.14
2.64	343.44	-1.05	11.34	1.26	10.08	9.00	5.04	6.30
2.76	343.38	-1.11	11.52	1.32	10.21	8.74	5.10	6.42
2.89	343.33	-1.16	11.82	1.37	10.45	8.61	5.22	6.60
3.01	343.28	-1.21	11.93	1.42	10.51	8.40	5.25	6.67
3.14	343.24	-1.25	12.39	1.46	10.94	8.51	5.47	6.93
3.26	343.19	-1.30	12.37	1.51	10.86	8.19	5.43	6.94
3.39	343.18	-1.31	12.30	1.52	10.78	8.10	5.39	6.91
3.51	343.13	-1.36	12.70	1.57	11.13	8.11	5.57	7.13
3.63	343.10	-1.39	12.76	1.60	11.15	7.95	5.58	7.18
3.76	343.06	-1.43	12.85	1.64	11.20	7.82	5.60	7.24
4.44	342.88	-1.61	13.85	1.82	12.03	7.61	6.02	7.84
5.31	342.66	-1.83	14.93	2.04	12.89	7.30	6.44	8.49
5.94	342.47	-2.02	15.83	2.23	13.60	7.09	6.80	9.03
6.57	342.28	-2.21	16.31	2.42	13.89	6.74	6.95	9.37

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
7.21	342.12	-2.38	16.64	2.59	14.06	6.44	7.03	9.61
7.84	341.95	-2.55	17.10	2.76	14.34	6.21	7.17	9.93
8.46	341.86	-2.64	17.58	2.85	14.74	6.18	7.37	10.21
9.09	341.72	-2.78	17.94	2.99	14.96	6.01	7.48	10.46
9.71	341.62	-2.87	18.46	3.08	15.38	5.99	7.69	10.77
10.33	341.52	-2.97	18.83	3.18	15.65	5.92	7.83	11.01
10.94	341.43	-3.06	18.94	3.27	15.67	5.80	7.84	11.10
11.71	341.35	-3.14	19.29	3.35	15.94	5.75	7.97	11.32
12.37	341.28	-3.22	19.40	3.43	15.97	5.66	7.99	11.41
12.99	341.22	-3.27	19.73	3.48	16.25	5.67	8.13	11.61
13.61	341.18	-3.31	19.98	3.52	16.46	5.68	8.23	11.75
14.23	341.14	-3.35	19.93	3.56	16.37	5.60	8.18	11.75
14.85	341.08	-3.41	20.22	3.62	16.60	5.59	8.30	11.92
15.47	341.03	-3.46	20.49	3.67	16.83	5.59	8.41	12.08
16.10	340.97	-3.52	20.45	3.73	16.72	5.49	8.36	12.09
16.72	340.96	-3.53	20.46	3.74	16.72	5.47	8.36	12.10
17.36	340.92	-3.57	20.72	3.78	16.94	5.48	8.47	12.25
17.99	340.84	-3.65	21.04	3.86	17.18	5.45	8.59	12.45
18.63	340.85	-3.64	21.32	3.85	17.46	5.53	8.73	12.58
19.26	340.77	-3.72	21.50	3.93	17.57	5.47	8.79	12.72
19.89	340.73	-3.76	21.70	3.97	17.74	5.47	8.87	12.84
20.52	340.70	-3.79	21.81	4.00	17.81	5.45	8.90	12.90
21.15	340.65	-3.84	21.78	4.05	17.73	5.38	8.86	12.91
21.77	340.61	-3.88	20.97	4.09	16.87	5.12	8.44	12.53

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....6G

CORE INCREMENT.....211-220 cm

TEST NUMBER.....TE55

FINAL LATERAL CONSOLIDATION STRESS 112.92 kPa

INDUCED OCR..... 3

LOAD ZERO FACTOR.....-2.30667832 Kg

TRANSDUCER ZERO FACTOR.....-10 kPa

LVDT ZERO FACTOR..... .67428 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	213.88	0.00	112.92	112.92	0.00	1.00	0.00	112.92
-.00	213.85	-.03	116.76	112.95	3.81	1.03	1.90	114.85
.01	216.59	2.71	126.70	110.21	16.49	1.15	8.24	118.46
.02	219.23	5.35	135.99	107.57	28.42	1.26	14.21	121.78
.02	221.73	7.85	144.88	105.07	39.81	1.38	19.91	124.98
.03	224.02	10.14	153.59	102.78	50.81	1.49	25.41	128.19
.04	226.16	12.28	161.58	100.64	60.94	1.61	30.47	131.11
.05	228.07	14.19	168.60	98.73	69.87	1.71	34.93	133.67
.06	229.76	15.88	174.91	97.05	77.87	1.80	38.93	135.98
.08	231.11	17.23	179.89	95.69	84.20	1.88	42.10	137.79
.11	233.86	19.98	194.23	92.94	101.29	2.09	50.65	143.59
.14	235.01	21.13	202.15	91.79	110.36	2.20	55.18	146.97
.17	235.71	21.83	209.71	91.09	118.62	2.30	59.31	150.40
.20	236.24	22.36	216.38	90.57	125.82	2.39	62.91	153.48
.22	236.60	22.72	222.45	90.20	132.26	2.47	66.13	156.33
.28	236.89	23.01	232.12	89.91	142.21	2.58	71.11	161.02
.34	237.13	23.25	239.88	89.67	150.21	2.68	75.10	164.77
.41	237.22	23.34	246.08	89.58	156.50	2.75	78.25	167.83
.47	237.46	23.58	250.62	89.34	161.29	2.81	80.64	169.98
.53	237.77	23.89	254.28	89.03	165.25	2.86	82.62	171.65
.60	238.04	24.16	257.21	88.77	168.45	2.90	84.22	172.99
.66	238.45	24.57	259.56	88.35	171.21	2.94	85.60	173.95
.72	238.91	25.03	261.18	87.89	173.29	2.97	86.64	174.53
.79	239.46	25.58	262.70	87.34	175.36	3.01	87.68	175.02
.85	239.98	26.10	264.01	86.83	177.19	3.04	88.59	175.42
.92	240.55	26.67	265.04	86.26	178.78	3.07	89.39	175.65
.98	241.06	27.18	266.04	85.75	180.29	3.10	90.15	175.89
1.05	241.64	27.76	266.73	85.16	181.58	3.13	90.79	175.95
1.11	242.15	28.27	267.43	84.65	182.78	3.16	91.39	176.04
1.18	242.81	28.93	267.90	83.99	183.91	3.19	91.95	175.94
1.24	243.27	29.39	268.37	83.53	184.84	3.21	92.42	175.95
1.62	246.47	32.59	269.38	80.33	189.05	3.35	94.52	174.86
1.75	247.22	33.34	270.42	79.58	190.83	3.40	95.42	175.00
1.88	247.98	34.10	270.81	78.82	191.99	3.44	95.99	174.82
2.01	248.55	34.67	271.62	78.25	193.37	3.47	96.68	174.93
2.15	250.05	36.17	271.49	76.75	194.74	3.54	97.37	174.12
2.28	249.82	35.94	272.95	76.98	195.97	3.55	97.99	174.97
2.41	250.54	36.66	273.34	76.26	197.08	3.58	98.54	174.80
2.55	251.67	37.79	273.20	75.13	198.07	3.64	99.03	174.16
2.68	252.65	38.77	273.23	74.15	199.08	3.68	99.54	173.69
2.82	252.35	38.47	274.51	74.45	200.06	3.69	100.03	174.48
2.95	253.57	39.69	274.06	73.23	200.83	3.74	100.41	173.65
3.09	253.34	39.46	275.09	73.46	201.63	3.74	100.82	174.28
3.22	253.81	39.93	275.52	72.99	202.52	3.77	101.26	174.26
3.36	254.21	40.33	276.24	72.59	203.65	3.81	101.82	174.41
3.49	254.65	40.77	276.57	72.15	204.41	3.83	102.21	174.36
3.63	255.78	41.90	276.08	71.02	205.06	3.89	102.53	173.55
3.77	256.32	42.44	276.27	70.48	205.79	3.92	102.89	173.38
3.90	255.71	41.83	277.55	71.09	206.46	3.90	103.23	174.32
4.04	256.91	43.03	276.94	69.90	207.04	3.96	103.52	173.42
4.18	256.76	42.88	277.74	70.04	207.71	3.97	103.85	173.89
4.86	257.64	43.76	279.78	69.16	210.62	4.05	105.31	174.47
5.54	258.34	44.46	281.61	68.47	213.15	4.11	106.57	175.04
6.22	258.72	44.84	283.86	68.08	215.77	4.17	107.89	175.97

STRN (%)	U (kPa)	DELU (kPa)	SIG1′ (kPa)	SIG3′ (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
7.08	258.98	45.10	286.24	67.82	218.42	4.22	109.21	177.03
7.58	258.99	45.11	287.24	67.81	219.44	4.24	109.72	177.52
8.26	258.66	44.78	289.47	68.14	221.33	4.25	110.67	178.81
8.97	259.17	45.29	290.15	67.63	222.52	4.29	111.26	178.89
9.63	258.66	44.78	291.66	68.15	223.51	4.28	111.76	179.90
10.32	258.37	44.49	292.51	68.43	224.08	4.27	112.04	180.47
11.02	258.24	44.36	293.54	68.56	224.98	4.28	112.49	181.05
11.71	257.90	44.02	294.69	68.90	225.79	4.28	112.89	181.80
12.45	257.59	43.71	294.67	69.21	225.46	4.26	112.73	181.94
13.16	257.34	43.46	294.93	69.46	225.47	4.25	112.73	182.20
14.07	256.99	43.11	294.65	69.81	224.84	4.22	112.42	182.23
14.51	256.80	42.92	294.71	70.00	224.71	4.21	112.35	182.35
15.24	256.60	42.72	293.92	70.20	223.71	4.19	111.86	182.06
15.92	256.51	42.63	292.60	70.29	222.31	4.16	111.16	181.45
16.60	256.47	42.59	291.07	70.33	220.74	4.14	110.37	180.70
16.67	256.48	42.60	290.67	70.32	220.35	4.13	110.18	180.50
17.29	256.70	42.82	288.11	70.11	218.01	4.11	109.00	179.11
17.97	257.11	43.23	285.16	69.69	215.46	4.09	107.73	177.43
18.65	257.44	43.56	282.36	69.36	213.01	4.07	106.50	175.86
19.34	257.97	44.09	278.97	68.83	210.14	4.05	105.07	173.90
20.02	258.50	44.62	276.64	68.30	208.34	4.05	104.17	172.47
20.71	258.64	44.76	274.59	68.16	206.43	4.03	103.22	171.37
21.05	258.65	44.77	273.86	68.15	205.71	4.02	102.86	171.01
21.12	258.64	44.76	273.51	68.16	205.36	4.01	102.68	170.84

STATIC ANISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....6G

CORE INCREMENT.....249-257 cm

TEST NUMBER.....TE51

FINAL LATERAL CONSOLIDATION STRESS 196.84 kPa

FINAL AXIAL CONSOLIDATION STRESS 417.189 kPa

INDUCED OCR..... 1

LOAD ZERO FACTOR.....-1.91130546 Kg

TRANSDUCER ZERO FACTOR.....-2.4 kPa

LVDT ZERO FACTOR..... .75103 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	141.06	0.00	417.19	196.84	220.35	2.12	110.18	307.02
.00	142.19	1.13	423.59	195.71	227.88	2.16	113.94	309.65
.01	145.36	4.30	437.30	192.54	244.76	2.27	122.38	314.92
.02	148.39	7.33	448.77	189.51	259.26	2.37	129.63	319.14
.03	151.47	10.41	457.95	186.43	271.52	2.46	135.76	322.19
.04	154.42	13.36	464.52	183.48	281.04	2.53	140.52	324.00
.06	157.47	16.41	468.15	180.43	287.72	2.59	143.86	324.29
.07	160.37	19.31	470.26	177.53	292.73	2.65	146.36	323.89
.09	163.43	22.37	470.10	174.47	295.63	2.69	147.82	322.29
.10	166.46	25.40	467.87	171.44	296.43	2.73	148.22	319.66
.12	169.43	28.37	465.10	168.47	296.63	2.76	148.32	316.79
.13	172.26	31.20	462.06	165.64	296.42	2.79	148.21	313.85
.15	175.16	34.10	458.67	162.74	295.93	2.82	147.96	310.70
.18	180.23	39.17	452.56	157.67	294.89	2.87	147.44	305.11
.22	184.94	43.88	446.71	152.96	293.75	2.92	146.87	299.83
.25	189.01	47.95	441.70	148.89	292.81	2.97	146.40	295.29
.32	196.82	55.76	432.26	141.08	291.18	3.06	145.59	286.67
.35	200.06	59.00	428.20	137.84	290.36	3.11	145.18	283.02
.42	205.59	64.53	421.29	132.31	288.98	3.18	144.49	276.80
.48	210.36	69.30	415.36	127.54	287.82	3.26	143.91	271.45
.55	214.66	73.60	410.04	123.24	286.80	3.33	143.40	266.64
.61	218.03	76.97	406.03	119.87	286.16	3.39	143.08	262.95
.68	221.37	80.31	402.07	116.53	285.54	3.45	142.77	259.30
.75	224.03	82.97	398.89	113.87	285.02	3.50	142.51	256.38
.81	226.67	85.61	395.69	111.23	284.46	3.56	142.23	253.46
.88	228.60	87.54	392.79	109.30	283.48	3.59	141.74	251.04
.95	230.73	89.67	390.38	107.17	283.21	3.64	141.61	248.78
1.01	232.57	91.51	388.45	105.33	283.12	3.69	141.56	246.89
1.08	234.10	93.04	386.80	103.80	282.99	3.73	141.50	245.30
1.14	235.31	94.25	385.33	102.59	282.74	3.76	141.37	243.96
1.21	236.62	95.56	384.06	101.28	282.79	3.79	141.39	242.67
1.27	237.86	96.80	382.92	100.04	282.88	3.83	141.44	241.48
1.34	238.90	97.84	381.99	99.00	282.99	3.86	141.49	240.50
1.47	241.19	100.13	379.98	96.71	283.27	3.93	141.64	238.34
1.60	242.89	101.83	378.66	95.01	283.65	3.99	141.83	236.84
1.74	244.56	103.50	377.50	93.34	284.17	4.04	142.08	235.42
1.87	245.66	104.60	376.92	92.24	284.68	4.09	142.34	234.58
2.00	246.73	105.67	376.38	91.17	285.21	4.13	142.61	233.77
2.13	247.67	106.61	375.99	90.23	285.76	4.17	142.88	233.11
2.27	248.33	107.27	376.33	89.57	286.77	4.20	143.38	232.95
2.40	249.21	108.15	376.13	88.69	287.45	4.24	143.72	232.41
2.53	249.85	108.79	376.51	88.05	288.45	4.28	144.23	232.28
2.66	250.25	109.19	376.83	87.65	289.18	4.30	144.59	232.24
2.80	250.80	109.74	376.93	87.10	289.83	4.33	144.92	232.02
2.93	251.25	110.19	376.71	86.65	290.06	4.35	145.03	231.68
3.06	251.62	110.56	377.45	86.28	291.17	4.37	145.59	231.87
3.20	251.70	110.64	378.17	86.20	291.97	4.39	145.98	232.18
3.33	251.97	110.91	378.83	85.93	292.90	4.41	146.45	232.38
3.46	252.06	111.00	379.70	85.84	293.85	4.42	146.93	232.77
3.60	252.31	111.25	380.25	85.60	294.65	4.44	147.33	232.92
3.73	252.37	111.31	381.00	85.53	295.47	4.45	147.74	233.27
3.87	252.36	111.30	381.98	85.54	296.44	4.47	148.22	233.76
4.00	252.47	111.41	382.75	85.43	297.32	4.48	148.66	234.09
4.05	252.56	111.50	382.89	85.34	297.55	4.49	148.78	234.11

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
4.08	252.62	111.56	383.08	85.29	297.79	4.49	148.90	234.18
4.11	252.54	111.48	383.42	85.36	298.05	4.49	149.03	234.39
4.14	252.44	111.38	383.72	85.47	298.26	4.49	149.13	234.59
4.17	252.58	111.52	383.78	85.32	298.47	4.50	149.23	234.55
4.36	252.58	111.52	384.96	85.32	299.63	4.51	149.82	235.14
4.43	252.59	111.53	385.50	85.31	300.19	4.52	150.10	235.41
4.50	252.67	111.61	385.86	85.23	300.63	4.53	150.31	235.54
4.59	252.54	111.48	386.54	85.36	301.18	4.53	150.59	235.95
4.68	252.38	111.32	387.25	85.52	301.74	4.53	150.87	236.39
4.76	252.53	111.47	387.52	85.38	302.14	4.54	151.07	236.45
4.84	252.45	111.39	388.17	85.45	302.71	4.54	151.36	236.81
4.94	252.50	111.44	388.66	85.41	303.25	4.55	151.63	237.03
5.02	252.22	111.16	389.52	85.68	303.84	4.55	151.92	237.60
5.13	252.25	111.19	390.02	85.65	304.37	4.55	152.19	237.84
5.24	252.21	111.15	390.73	85.69	305.04	4.56	152.52	238.21
5.36	252.14	111.08	391.42	85.76	305.67	4.56	152.83	238.59
6.04	251.48	110.42	395.85	86.42	309.43	4.58	154.72	241.13
6.17	251.24	110.18	396.80	86.67	310.13	4.58	155.07	241.73
6.21	250.99	109.93	397.25	86.91	310.34	4.57	155.17	242.08
6.43	250.94	109.88	398.23	86.96	311.27	4.58	155.64	242.59
6.54	250.79	109.73	398.09	87.11	310.97	4.57	155.49	242.60
6.62	250.47	109.41	398.80	87.44	311.37	4.56	155.68	243.12
6.72	250.54	109.48	399.19	87.37	311.83	4.57	155.91	243.28
6.83	250.10	109.04	399.93	87.80	312.13	4.56	156.07	243.86
6.92	250.03	108.97	400.55	87.88	312.67	4.56	156.34	244.21
7.09	250.03	108.97	401.42	87.87	313.56	4.57	156.78	244.64
7.15	250.00	108.94	401.83	87.90	313.92	4.57	156.96	244.86
7.29	249.87	108.81	402.31	88.03	314.28	4.57	157.14	245.17
7.36	249.80	108.74	402.60	88.10	314.50	4.57	157.25	245.35
7.41	249.73	108.67	402.78	88.18	314.60	4.57	157.30	245.48
7.50	249.71	108.65	403.01	88.20	314.82	4.57	157.41	245.60
7.59	249.58	108.52	403.64	88.32	315.31	4.57	157.66	245.98
7.66	249.46	108.40	404.02	88.44	315.58	4.57	157.79	246.23
7.76	249.30	108.24	404.60	88.60	316.00	4.57	158.00	246.60
7.86	249.22	108.16	405.11	88.68	316.43	4.57	158.22	246.89
7.99	249.07	108.01	405.70	88.83	316.87	4.57	158.44	247.26
8.06	248.93	107.87	406.22	88.97	317.25	4.57	158.63	247.59
8.09	248.99	107.93	406.15	88.91	317.24	4.57	158.62	247.53
8.13	248.72	107.66	406.54	89.18	317.36	4.56	158.68	247.86
8.21	248.68	107.62	406.78	89.22	317.55	4.56	158.78	248.00
8.32	248.54	107.48	407.36	89.36	318.00	4.56	159.00	248.36
8.42	248.55	107.49	407.52	89.36	318.16	4.56	159.08	248.44
8.51	248.22	107.16	408.23	89.68	318.55	4.55	159.27	248.95
8.58	248.13	107.07	408.45	89.77	318.67	4.55	159.34	249.11
8.67	247.81	106.75	409.13	90.09	319.05	4.54	159.52	249.61
8.76	247.73	106.67	409.35	90.17	319.18	4.54	159.59	249.76
8.76	247.75	106.69	409.36	90.15	319.22	4.54	159.61	249.76
8.86	247.72	106.66	409.83	90.18	319.64	4.54	159.82	250.01
8.97	247.60	106.54	410.12	90.30	319.82	4.54	159.91	250.21
9.07	247.36	106.30	410.76	90.54	320.22	4.54	160.11	250.65
9.16	247.28	106.22	411.00	90.62	320.39	4.54	160.19	250.81
9.27	247.05	105.99	411.49	90.85	320.65	4.53	160.32	251.17
9.38	246.90	105.84	412.00	91.00	321.00	4.53	160.50	251.50
9.44	246.91	105.85	412.11	90.99	321.12	4.53	160.56	251.55

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
10.60	245.31	104.25	415.19	92.59	322.60	4.48	161.30	253.89
11.28	244.52	103.46	416.03	93.38	322.64	4.46	161.32	254.71
12.18	243.25	102.19	415.54	94.65	320.89	4.39	160.45	255.09
12.95	242.55	101.49	413.44	95.35	318.09	4.34	159.04	254.39
13.53	242.25	101.19	410.92	95.65	315.27	4.30	157.64	253.28
13.62	242.28	101.22	410.21	95.62	314.59	4.29	157.29	252.92
13.64	242.27	101.21	410.13	95.63	314.50	4.29	157.25	252.88
13.69	242.19	101.13	409.89	95.71	314.18	4.28	157.09	252.80
13.70	242.26	101.20	409.03	95.64	313.40	4.28	156.70	252.34
13.71	242.00	100.94	409.97	95.90	314.07	4.28	157.04	252.93
13.71	242.26	101.20	409.19	95.65	313.54	4.28	156.77	252.42
13.72	242.26	101.20	409.47	95.64	313.82	4.28	156.91	252.55
13.73	242.21	101.15	409.56	95.69	313.86	4.28	156.93	252.62
13.73	242.21	101.15	409.52	95.69	313.83	4.28	156.92	252.61
13.74	242.31	101.25	409.54	95.59	313.96	4.28	156.98	252.56
13.75	242.31	101.25	409.62	95.59	314.03	4.29	157.02	252.60
13.76	242.18	101.12	409.71	95.72	313.99	4.28	156.99	252.71
13.76	242.19	101.13	409.65	95.71	313.94	4.28	156.97	252.68
13.77	242.45	101.39	409.39	95.45	313.94	4.29	156.97	252.42
13.78	242.22	101.16	409.63	95.68	313.94	4.28	156.97	252.66
13.78	242.18	101.12	409.58	95.72	313.86	4.28	156.93	252.65
13.79	242.39	101.33	409.27	95.51	313.76	4.29	156.88	252.39
13.80	242.37	101.31	409.30	95.54	313.76	4.28	156.88	252.42
13.80	242.24	101.18	409.48	95.66	313.81	4.28	156.91	252.57
13.81	242.15	101.09	409.48	95.75	313.73	4.28	156.87	252.61
13.82	242.20	101.14	409.37	95.70	313.67	4.28	156.83	252.54
13.83	242.37	101.31	409.01	95.53	313.48	4.28	156.74	252.27
13.85	242.33	101.27	408.95	95.57	313.37	4.28	156.69	252.26
13.87	242.34	101.28	408.98	95.56	313.42	4.28	156.71	252.27
13.89	242.42	101.36	408.78	95.48	313.30	4.28	156.65	252.13
13.90	242.39	101.33	408.73	95.52	313.21	4.28	156.61	252.12
13.92	242.13	101.07	408.92	95.77	313.15	4.27	156.57	252.35
13.94	242.17	101.11	408.82	95.73	313.09	4.27	156.54	252.28
13.96	242.35	101.29	408.42	95.55	312.87	4.27	156.44	251.99
13.97	242.31	101.25	408.31	95.59	312.73	4.27	156.36	251.95
13.99	242.33	101.27	408.19	95.57	312.63	4.27	156.31	251.88
14.01	242.31	101.25	408.16	95.59	312.56	4.27	156.28	251.87
14.03	242.33	101.27	408.08	95.57	312.52	4.27	156.26	251.83
14.04	242.28	101.22	408.07	95.63	312.45	4.27	156.22	251.85
14.06	242.40	101.34	407.87	95.50	312.37	4.27	156.19	251.69
14.08	242.34	101.28	407.83	95.56	312.27	4.27	156.14	251.70
14.10	242.41	101.35	407.67	95.49	312.18	4.27	156.09	251.58
14.11	242.42	101.36	407.58	95.48	312.10	4.27	156.05	251.53
14.13	242.38	101.32	407.56	95.52	312.04	4.27	156.02	251.54
14.15	242.42	101.36	407.23	95.48	311.75	4.27	155.88	251.36
14.16	242.40	101.34	407.20	95.50	311.70	4.26	155.85	251.35
14.18	242.48	101.42	406.95	95.42	311.53	4.26	155.77	251.18
14.20	242.40	101.34	406.97	95.51	311.47	4.26	155.73	251.24
14.22	242.39	101.33	406.87	95.51	311.36	4.26	155.68	251.19
14.23	242.20	101.14	406.16	95.70	310.45	4.24	155.23	250.93
14.25	242.48	101.42	405.54	95.42	310.12	4.25	155.06	250.48
14.27	242.49	101.43	405.73	95.41	310.32	4.25	155.16	250.57
14.29	242.43	101.37	406.06	95.47	310.59	4.25	155.30	250.77
14.30	242.40	101.34	405.73	95.50	310.23	4.25	155.12	250.62

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
14.32	242.55	101.49	405.79	95.35	310.44	4.26	155.22	250.57
14.34	242.52	101.46	405.87	95.38	310.50	4.26	155.25	250.63
14.36	242.55	101.49	405.80	95.35	310.45	4.26	155.23	250.58
14.37	242.54	101.48	405.74	95.36	310.38	4.25	155.19	250.55
14.39	242.51	101.45	405.80	95.39	310.41	4.25	155.21	250.59
14.41	242.53	101.47	405.79	95.37	310.42	4.26	155.21	250.58
14.43	242.58	101.52	405.75	95.33	310.42	4.26	155.21	250.54
14.44	242.56	101.50	405.64	95.34	310.30	4.25	155.15	250.49
14.46	242.62	101.56	405.42	95.28	310.14	4.26	155.07	250.35
14.48	242.53	101.47	405.38	95.37	310.01	4.25	155.01	250.37
14.49	242.61	101.55	405.41	95.29	310.12	4.25	155.06	250.35
14.51	242.65	101.59	405.35	95.25	310.10	4.26	155.05	250.30
14.53	242.58	101.52	405.14	95.32	309.81	4.25	154.91	250.23
14.55	242.70	101.64	405.02	95.20	309.83	4.25	154.91	250.11
14.56	242.69	101.63	404.90	95.22	309.69	4.25	154.85	250.06
14.58	242.69	101.63	404.79	95.21	309.58	4.25	154.79	250.00
14.60	242.66	101.60	404.73	95.24	309.49	4.25	154.75	249.98
14.62	242.73	101.67	404.65	95.17	309.48	4.25	154.74	249.91
14.63	242.63	101.57	404.50	95.27	309.23	4.25	154.61	249.89
14.65	242.83	101.77	404.29	95.07	309.22	4.25	154.61	249.68
14.67	242.65	101.59	404.33	95.25	309.07	4.24	154.54	249.79
14.69	242.69	101.63	404.13	95.21	308.92	4.24	154.46	249.67
14.75	242.85	101.79	403.57	95.05	308.52	4.25	154.26	249.31
15.10	243.19	102.13	400.98	94.71	306.27	4.23	153.13	247.85
15.44	243.53	102.47	397.94	94.37	303.57	4.22	151.79	246.15
15.79	244.03	102.97	394.97	93.87	301.10	4.21	150.55	244.42
16.13	244.50	103.44	391.85	93.40	298.45	4.20	149.23	242.63
16.48	245.12	104.06	388.84	92.78	296.06	4.19	148.03	240.81
16.82	245.48	104.42	386.23	92.42	293.81	4.18	146.90	239.32
17.16	245.74	104.68	383.96	92.16	291.80	4.17	145.90	238.06
17.53	246.04	104.98	382.19	91.86	290.33	4.16	145.16	237.03
17.86	246.21	105.15	380.73	91.69	289.04	4.15	144.52	236.21
18.33	246.41	105.35	378.36	91.49	286.87	4.14	143.43	234.93
18.70	246.58	105.52	376.56	91.32	285.24	4.12	142.62	233.94
19.07	246.68	105.62	374.50	91.22	283.27	4.11	141.64	232.86
19.53	246.85	105.79	372.19	91.05	281.14	4.09	140.57	231.62
19.74	246.90	105.84	370.68	91.00	279.69	4.07	139.84	230.84
20.05	247.21	106.15	367.65	90.69	276.96	4.05	138.48	229.17
20.39	247.80	106.74	363.21	90.10	273.11	4.03	136.55	226.66
20.74	248.45	107.39	359.53	89.45	270.08	4.02	135.04	224.49
21.16	249.29	108.23	355.22	88.61	266.61	4.01	133.31	221.92
21.66	250.55	109.49	350.27	87.35	262.92	4.01	131.46	218.81
21.78	250.68	109.62	350.30	87.22	263.08	4.02	131.54	218.76

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KN1-81-HW

CORE NUMBER.....8G

CORE INCREMENT.....85-94 cm

TEST NUMBER.....TE14

FINAL LATERAL CONSOLIDATION STRESS .74 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR..... .98 Kg

TRANSDUCER ZERO FACTOR.....-1.70 kPa

LVDT ZERO FACTOR..... 1.02 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	343.97	0.00	.74	.74	0.00	1.00	0.00	.74
.01	344.02	.06	1.47	.68	.79	2.17	.40	1.08
.03	344.03	.06	1.61	.67	.93	2.39	.47	1.14
.04	344.08	.12	1.57	.62	.95	2.54	.47	1.09
.06	344.13	.17	1.65	.57	1.09	2.92	.54	1.11
.07	344.21	.24	1.67	.50	1.17	3.37	.59	1.08
.09	344.26	.30	1.72	.44	1.29	3.94	.64	1.08
.10	344.25	.29	1.90	.45	1.45	4.22	.72	1.17
.12	344.27	.31	1.91	.43	1.48	4.45	.74	1.17
.15	344.33	.36	2.09	.37	1.72	5.60	.86	1.23
.18	344.35	.38	2.21	.35	1.86	6.31	.93	1.28
.20	344.40	.43	2.45	.30	2.15	8.16	1.08	1.38
.23	344.38	.41	2.68	.32	2.36	8.36	1.18	1.50
.26	344.44	.47	2.90	.27	2.64	10.95	1.32	1.58
.35	344.55	.58	3.83	.15	3.68	25.19	1.84	1.99
.41	344.65	.68	4.49	.06	4.44	81.69	2.22	2.27
.47	344.62	.65	5.33	.08	5.25	63.50	2.63	2.71
.53	344.51	.54	6.36	.19	6.17	33.14	3.09	3.28
.59	344.43	.46	6.97	.27	6.70	25.64	3.35	3.62
.65	344.33	.36	8.21	.37	7.84	22.02	3.92	4.29
.71	344.24	.28	9.13	.46	8.67	19.88	4.33	4.79
.76	344.12	.16	9.82	.58	9.24	17.02	4.62	5.20
.82	344.12	.15	10.71	.58	10.13	18.34	5.06	5.65
.88	344.15	.19	11.12	.55	10.57	20.25	5.28	5.83
.94	344.18	.22	11.60	.52	11.08	22.43	5.54	6.06
1.00	344.08	.12	12.31	.62	11.70	19.92	5.85	6.47
1.06	344.00	.03	12.75	.71	12.04	18.08	6.02	6.73
1.12	343.93	-.03	13.51	.77	12.74	17.59	6.37	7.14
1.24	343.76	-.20	14.12	.94	13.18	15.05	6.59	7.53
1.36	343.64	-.33	15.13	1.06	14.07	14.25	7.03	8.10
1.48	343.50	-.46	15.88	1.20	14.68	13.26	7.34	8.54
1.60	343.40	-.57	16.57	1.30	15.27	12.72	7.63	8.94
1.72	343.22	-.75	17.12	1.48	15.64	11.57	7.82	9.30
1.84	343.10	-.86	17.74	1.60	16.14	11.11	8.07	9.67
1.96	342.98	-.99	18.26	1.72	16.54	10.61	8.27	9.99
2.07	342.89	-1.07	18.65	1.81	16.84	10.32	8.42	10.23
2.19	342.71	-1.25	19.39	1.99	17.40	9.75	8.70	10.69
2.31	342.62	-1.34	19.64	2.08	17.56	9.45	8.78	10.86
2.43	342.49	-1.48	20.16	2.21	17.94	9.11	8.97	11.18
2.55	342.41	-1.55	19.85	2.29	17.56	8.68	8.78	11.07
2.67	342.31	-1.66	20.94	2.39	18.55	8.76	9.28	11.67
2.85	342.17	-1.80	21.63	2.54	19.10	8.53	9.55	12.08
2.91	342.11	-1.86	21.86	2.59	19.27	8.44	9.63	12.22
3.04	342.08	-1.89	22.01	2.62	19.39	8.40	9.70	12.32
3.15	342.04	-1.93	22.62	2.66	19.95	8.49	9.98	12.64
3.27	341.96	-2.01	23.10	2.74	20.36	8.43	10.18	12.92
3.39	341.91	-2.06	23.63	2.79	20.84	8.47	10.42	13.21
3.51	341.80	-2.16	24.10	2.90	21.20	8.31	10.60	13.50
3.63	341.70	-2.27	24.58	3.00	21.58	8.19	10.79	13.79
4.24	341.31	-2.66	26.51	3.39	23.11	7.81	11.56	14.95
4.83	340.90	-3.06	28.32	3.80	24.53	7.46	12.26	16.06
4.84	340.88	-3.08	28.47	3.82	24.65	7.46	12.33	16.14
5.49	340.37	-3.60	30.22	4.33	25.89	6.97	12.94	17.28
6.09	340.00	-3.96	31.83	4.70	27.14	6.78	13.57	18.27

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
6.70	339.59	-4.38	33.51	5.11	28.40	6.55	14.20	19.31
7.31	339.35	-4.62	34.34	5.35	28.99	6.42	14.50	19.85
7.92	339.01	-4.96	35.60	5.69	29.90	6.25	14.95	20.65
8.53	338.73	-5.23	36.81	5.97	30.85	6.17	15.42	21.39
9.14	338.41	-5.55	37.93	6.29	31.64	6.03	15.82	22.11
9.74	338.20	-5.77	38.53	6.51	32.03	5.92	16.01	22.52
10.35	338.01	-5.96	39.08	6.70	32.39	5.84	16.19	22.89
10.94	337.78	-6.18	40.07	6.92	33.15	5.79	16.58	23.49
11.54	337.65	-6.31	40.31	7.05	33.26	5.72	16.63	23.68
12.14	337.52	-6.45	40.50	7.18	33.31	5.64	16.66	23.84
12.92	337.45	-6.51	40.59	7.25	33.34	5.60	16.67	23.92
13.22	337.41	-6.56	40.30	7.30	33.00	5.52	16.50	23.80
13.53	337.34	-6.62	41.30	7.36	33.94	5.61	16.97	24.33
13.83	337.29	-6.68	41.15	7.41	33.74	5.55	16.87	24.28
14.14	337.28	-6.69	41.65	7.42	34.23	5.61	17.11	24.54
14.44	337.22	-6.75	41.75	7.48	34.27	5.58	17.13	24.62
14.75	337.19	-6.78	42.14	7.51	34.62	5.61	17.31	24.83
15.05	337.15	-6.82	42.14	7.55	34.59	5.58	17.29	24.85
15.36	337.11	-6.86	42.45	7.59	34.86	5.59	17.43	25.02
15.71	337.07	-6.90	42.51	7.64	34.88	5.57	17.44	25.07
15.96	337.04	-6.93	42.66	7.67	35.00	5.57	17.50	25.16
16.26	337.01	-6.96	42.82	7.69	35.13	5.57	17.56	25.26
16.57	337.02	-6.94	42.97	7.68	35.29	5.60	17.64	25.32
16.87	336.99	-6.98	43.75	7.71	36.04	5.67	18.02	25.73
17.17	336.92	-7.05	43.67	7.79	35.88	5.61	17.94	25.73
17.47	336.91	-7.05	43.95	7.79	36.16	5.64	18.08	25.87
17.76	336.91	-7.06	43.94	7.79	36.14	5.64	18.07	25.86
18.06	336.82	-7.14	44.06	7.88	36.18	5.59	18.09	25.97
18.36	336.85	-7.12	44.20	7.86	36.34	5.63	18.17	26.03
18.66	336.77	-7.19	44.66	7.93	36.74	5.63	18.37	26.30
18.96	335.58	-8.39	45.93	9.12	36.81	5.03	18.40	27.53
19.25	335.54	-8.42	46.01	9.16	36.85	5.02	18.42	27.58
19.55	335.50	-8.47	46.30	9.20	37.10	5.03	18.55	27.75
19.84	335.47	-8.50	46.60	9.24	37.36	5.05	18.68	27.92
20.14	335.39	-8.57	46.60	9.31	37.29	5.01	18.65	27.95
20.43	335.23	-8.74	46.08	9.47	36.60	4.86	18.30	27.77
20.73	335.26	-8.71	46.94	9.44	37.49	4.97	18.75	28.19

STATIC ANISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....8G

CORE INCREMENT.....171-180 cm

TEST NUMBER.....TE48

FINAL LATERAL CONSOLIDATION STRESS 82.915 kPa

FINAL AXIAL CONSOLIDATION STRESS 159.466 kPa

INDUCED OCR..... 1

LOAD ZERO FACTOR.....-.50051692 Kg

TRANSDUCER ZERO FACTOR.....-6 kPa

LVDT ZERO FACTOR..... 1.04449 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	282.89	0.00	159.47	82.92	76.55	1.92	38.28	121.19
-.00	282.95	.07	160.40	82.85	77.56	1.94	38.78	121.62
.01	285.08	2.19	168.48	80.72	87.76	2.09	43.88	124.60
.02	287.15	4.26	173.86	78.65	95.21	2.21	47.60	126.26
.04	288.92	6.03	177.43	76.88	100.55	2.31	50.27	127.16
.05	290.51	7.63	179.93	75.29	104.64	2.39	52.32	127.61
.07	291.95	9.07	181.31	73.85	107.46	2.46	53.73	127.58
.08	293.27	10.39	182.04	72.53	109.51	2.51	54.75	127.28
.10	294.49	11.61	182.28	71.31	110.97	2.56	55.48	126.79
.13	296.53	13.64	182.15	69.28	112.87	2.63	56.44	125.71
.16	298.39	15.50	181.41	67.41	114.00	2.69	57.00	124.41
.19	299.95	17.06	180.40	65.85	114.54	2.74	57.27	123.13
.26	302.75	19.86	178.55	63.05	115.50	2.83	57.75	120.80
.29	303.99	21.11	177.68	61.81	115.87	2.87	57.94	119.75
.36	306.09	23.21	176.05	59.71	116.35	2.95	58.17	117.88
.42	307.93	25.05	174.54	57.87	116.67	3.02	58.33	116.20
.48	309.41	26.53	173.13	56.39	116.74	3.07	58.37	114.76
.55	310.77	27.88	171.97	55.03	116.93	3.12	58.47	113.50
.61	312.00	29.11	170.79	53.80	116.99	3.17	58.49	112.30
.68	313.09	30.20	169.86	52.71	117.15	3.22	58.57	111.29
.74	314.05	31.16	168.91	51.75	117.15	3.26	58.58	110.33
.81	314.93	32.04	168.03	50.87	117.16	3.30	58.58	109.45
.87	315.79	32.90	167.24	50.01	117.22	3.34	58.61	108.63
.94	316.57	33.69	166.55	49.23	117.32	3.38	58.66	107.89
1.00	317.28	34.39	165.93	48.52	117.41	3.42	58.71	107.23
1.07	317.95	35.06	165.30	47.86	117.44	3.45	58.72	106.58
1.13	318.54	35.65	164.92	47.26	117.65	3.49	58.83	106.09
1.20	319.07	36.18	164.52	46.73	117.79	3.52	58.89	105.63
1.27	319.65	36.76	163.98	46.15	117.83	3.55	58.91	105.07
1.39	320.60	37.72	163.08	45.20	117.88	3.61	58.94	104.14
1.53	321.48	38.60	162.26	44.32	117.94	3.66	58.97	103.29
1.66	322.27	39.38	161.73	43.54	118.20	3.72	59.10	102.63
1.79	322.91	40.02	161.15	42.90	118.25	3.76	59.13	102.02
1.92	323.29	40.40	160.77	42.51	118.25	3.78	59.13	101.64
2.05	323.96	41.07	160.33	41.85	118.49	3.83	59.24	101.09
2.18	324.50	41.62	159.97	41.30	118.68	3.87	59.34	100.64
2.31	325.20	42.32	159.57	40.60	118.97	3.93	59.48	100.09
2.44	325.66	42.78	159.19	40.14	119.05	3.97	59.53	99.66
2.57	326.13	43.25	158.82	39.67	119.16	4.00	59.58	99.25
2.70	326.47	43.59	158.76	39.33	119.44	4.04	59.72	99.05
2.84	326.71	43.82	158.79	39.10	119.69	4.06	59.85	98.94
2.97	326.97	44.08	158.41	38.84	119.57	4.08	59.79	98.62
3.10	327.25	44.36	158.06	38.56	119.51	4.10	59.75	98.31
3.23	327.52	44.63	157.89	38.29	119.60	4.12	59.80	98.09
3.36	327.77	44.89	157.63	38.03	119.61	4.15	59.80	97.83
3.49	328.15	45.26	157.27	37.65	119.62	4.18	59.81	97.46
3.63	328.30	45.41	157.23	37.50	119.73	4.19	59.86	97.37
3.76	328.48	45.60	157.04	37.32	119.72	4.21	59.86	97.18
3.89	328.64	45.75	156.89	37.16	119.73	4.22	59.87	97.03
3.94	328.71	45.82	156.79	37.09	119.70	4.23	59.85	96.94
3.97	328.72	45.83	156.80	37.08	119.71	4.23	59.86	96.94
4.00	328.76	45.87	156.65	37.04	119.61	4.23	59.81	96.85
4.03	328.80	45.91	156.73	37.01	119.72	4.24	59.86	96.87
4.06	328.84	45.95	156.56	36.96	119.60	4.24	59.80	96.76

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
4.24	329.00	46.12	156.49	36.80	119.69	4.25	59.85	96.64
4.31	329.06	46.17	156.33	36.74	119.59	4.25	59.80	96.54
4.38	329.16	46.28	156.30	36.64	119.66	4.27	59.83	96.47
4.47	329.19	46.31	156.21	36.61	119.60	4.27	59.80	96.41
4.55	329.27	46.38	156.16	36.53	119.63	4.27	59.81	96.34
4.63	329.33	46.45	156.03	36.47	119.57	4.28	59.78	96.25
4.71	329.39	46.51	156.00	36.41	119.59	4.28	59.79	96.20
4.81	329.44	46.56	156.06	36.36	119.71	4.29	59.85	96.21
4.89	329.52	46.64	155.83	36.28	119.55	4.30	59.78	96.06
5.00	329.57	46.68	155.75	36.23	119.52	4.30	59.76	95.99
5.11	329.61	46.73	155.62	36.19	119.43	4.30	59.72	95.90
5.22	329.64	46.76	155.44	36.16	119.28	4.30	59.64	95.80
5.89	329.86	46.98	154.70	35.94	118.77	4.30	59.38	95.32
6.02	329.85	46.97	154.61	35.95	118.66	4.30	59.33	95.28
6.05	329.86	46.98	154.59	35.94	118.65	4.30	59.33	95.26
6.28	329.91	47.02	154.15	35.89	118.26	4.29	59.13	95.02
6.38	329.84	46.96	153.86	35.96	117.91	4.28	58.95	94.91
6.46	329.86	46.98	153.65	35.94	117.71	4.28	58.85	94.79
6.56	329.85	46.97	153.47	35.95	117.52	4.27	58.76	94.71
6.66	329.91	47.02	153.27	35.89	117.38	4.27	58.69	94.58
6.75	329.86	46.97	153.20	35.94	117.26	4.26	58.63	94.57
6.93	329.82	46.94	153.17	35.98	117.19	4.26	58.60	94.57
6.99	329.82	46.93	153.02	35.98	117.04	4.25	58.52	94.50
7.12	329.79	46.91	152.95	36.01	116.94	4.25	58.47	94.48
7.19	329.79	46.90	152.94	36.02	116.92	4.25	58.46	94.48
7.24	329.78	46.89	152.92	36.02	116.90	4.25	58.45	94.47
7.33	329.75	46.87	152.77	36.05	116.72	4.24	58.36	94.41
7.42	329.77	46.88	152.76	36.04	116.72	4.24	58.36	94.40
7.49	329.70	46.81	152.75	36.10	116.65	4.23	58.32	94.43
7.59	329.70	46.82	152.58	36.10	116.48	4.23	58.24	94.34
7.69	329.69	46.80	152.47	36.11	116.36	4.22	58.18	94.29
7.82	329.63	46.75	152.38	36.17	116.21	4.21	58.10	94.27
7.89	329.61	46.72	152.32	36.19	116.13	4.21	58.06	94.26
7.92	329.62	46.74	152.31	36.18	116.13	4.21	58.06	94.24
7.96	329.62	46.74	152.33	36.18	116.15	4.21	58.08	94.25
8.04	329.57	46.69	152.24	36.23	116.01	4.20	58.00	94.23
8.16	329.50	46.62	152.08	36.30	115.78	4.19	57.89	94.19
8.25	329.47	46.58	151.92	36.33	115.59	4.18	57.79	94.13
8.35	329.36	46.47	151.86	36.45	115.42	4.17	57.71	94.15
8.42	329.41	46.52	151.62	36.39	115.22	4.17	57.61	94.01
8.51	329.30	46.41	151.64	36.50	115.14	4.15	57.57	94.07
8.59	329.27	46.39	151.44	36.53	114.91	4.15	57.45	93.98
8.60	329.27	46.38	151.54	36.53	115.01	4.15	57.50	94.04
8.70	329.23	46.34	151.40	36.57	114.83	4.14	57.41	93.99
8.81	329.21	46.33	151.28	36.59	114.69	4.13	57.34	93.93
8.91	329.14	46.26	151.25	36.66	114.59	4.13	57.29	93.95
9.00	329.12	46.23	150.96	36.68	114.27	4.12	57.14	93.82
9.11	329.09	46.20	150.91	36.71	114.20	4.11	57.10	93.81
9.22	329.03	46.15	150.70	36.77	113.93	4.10	56.97	93.74
9.29	329.01	46.13	150.64	36.79	113.85	4.09	56.92	93.71
10.45	329.03	46.14	143.90	36.77	107.12	3.91	53.56	90.33
11.14	330.29	47.40	137.57	35.52	102.05	3.87	51.03	86.54
12.02	331.42	48.54	133.78	34.38	99.41	3.89	49.70	84.08
12.77	332.34	49.46	128.90	33.46	95.44	3.85	47.72	81.18

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
13.34	333.20	50.31	126.17	32.61	93.56	3.87	46.78	79.39
13.43	333.30	50.42	126.09	32.50	93.60	3.88	46.80	79.29
13.45	333.35	50.46	126.07	32.45	93.62	3.88	46.81	79.26
13.50	333.42	50.53	125.95	32.38	93.57	3.89	46.78	79.16
13.50	333.41	50.53	125.86	32.39	93.47	3.89	46.73	79.12
13.51	333.35	50.46	125.05	32.46	92.59	3.85	46.30	78.75
13.52	333.42	50.53	125.81	32.38	93.42	3.88	46.71	79.10
13.52	333.43	50.55	125.82	32.37	93.45	3.89	46.73	79.10
13.53	333.45	50.56	125.97	32.35	93.61	3.89	46.81	79.16
13.54	333.47	50.58	125.48	32.33	93.15	3.88	46.58	78.91
13.54	333.47	50.59	125.87	32.33	93.54	3.89	46.77	79.10
13.55	333.49	50.60	125.85	32.31	93.54	3.89	46.77	79.08
13.56	333.49	50.61	126.02	32.31	93.71	3.90	46.85	79.16
13.57	333.53	50.65	126.01	32.27	93.75	3.91	46.87	79.14
13.57	333.51	50.63	125.99	32.29	93.70	3.90	46.85	79.14
13.58	333.48	50.60	126.06	32.32	93.74	3.90	46.87	79.19
13.59	333.52	50.64	125.97	32.28	93.70	3.90	46.85	79.12
13.59	333.53	50.64	126.09	32.27	93.82	3.91	46.91	79.18
13.60	333.53	50.64	126.06	32.27	93.78	3.91	46.89	79.16
13.61	333.56	50.68	126.10	32.24	93.86	3.91	46.93	79.17
13.61	333.58	50.70	126.08	32.22	93.86	3.91	46.93	79.15
13.62	333.59	50.71	126.11	32.21	93.90	3.92	46.95	79.16
13.64	333.59	50.71	126.09	32.21	93.88	3.91	46.94	79.15
13.65	333.61	50.72	126.01	32.19	93.82	3.91	46.91	79.10
13.67	333.65	50.76	126.06	32.15	93.91	3.92	46.95	79.11
13.69	333.66	50.77	126.01	32.15	93.86	3.92	46.93	79.08
13.71	333.66	50.77	126.07	32.14	93.93	3.92	46.96	79.11
13.72	333.70	50.81	126.04	32.10	93.94	3.93	46.97	79.07
13.74	333.73	50.84	126.02	32.07	93.95	3.93	46.97	79.04
13.76	333.70	50.81	126.05	32.10	93.95	3.93	46.97	79.07
13.77	333.80	50.91	125.97	32.01	93.97	3.94	46.98	78.99
13.79	333.80	50.92	126.04	32.00	94.04	3.94	47.02	79.02
13.81	333.78	50.89	126.14	32.03	94.11	3.94	47.06	79.08
13.83	333.81	50.93	126.11	31.99	94.12	3.94	47.06	79.05
13.84	333.84	50.96	126.04	31.96	94.08	3.94	47.04	79.00
13.86	333.84	50.95	126.05	31.96	94.09	3.94	47.04	79.00
13.88	333.85	50.97	126.10	31.95	94.15	3.95	47.08	79.02
13.89	333.89	51.01	126.16	31.91	94.25	3.95	47.13	79.03
13.91	333.92	51.04	126.09	31.88	94.21	3.96	47.11	78.99
13.93	333.90	51.01	126.16	31.90	94.26	3.95	47.13	79.03
13.95	333.92	51.03	126.22	31.89	94.33	3.96	47.17	79.05
13.96	333.94	51.05	126.16	31.86	94.30	3.96	47.15	79.01
13.98	333.92	51.04	126.27	31.88	94.39	3.96	47.19	79.07
14.00	333.95	51.07	126.17	31.85	94.32	3.96	47.16	79.01
14.01	333.98	51.10	126.28	31.82	94.46	3.97	47.23	79.05
14.03	334.00	51.11	125.54	31.80	93.74	3.95	46.87	78.67
14.05	334.01	51.12	126.30	31.79	94.51	3.97	47.25	79.05
14.07	334.04	51.15	126.41	31.76	94.65	3.98	47.32	79.09
14.08	334.03	51.15	126.52	31.77	94.75	3.98	47.37	79.14
14.10	334.06	51.17	126.51	31.74	94.77	3.99	47.38	79.13
14.12	334.06	51.18	126.62	31.74	94.88	3.99	47.44	79.18
14.14	334.12	51.23	126.64	31.68	94.96	4.00	47.48	79.16
14.15	334.14	51.26	126.62	31.66	94.96	4.00	47.48	79.14
14.17	334.13	51.25	126.73	31.67	95.06	4.00	47.53	79.20

STRN (%)	U (kPa)	DELU (kPa)	SIG1′ (kPa)	SIG3′ (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
14.19	334.10	51.22	126.85	31.70	95.15	4.00	47.58	79.27
14.21	334.10	51.21	126.84	31.70	95.13	4.00	47.57	79.27
14.22	334.15	51.27	126.78	31.65	95.13	4.01	47.57	79.21
14.24	334.12	51.23	126.93	31.68	95.24	4.01	47.62	79.30
14.26	334.17	51.28	126.84	31.64	95.21	4.01	47.60	79.24
14.27	334.18	51.30	126.96	31.62	95.34	4.02	47.67	79.29
14.29	334.17	51.29	126.96	31.63	95.33	4.01	47.67	79.29
14.31	334.19	51.31	127.05	31.61	95.44	4.02	47.72	79.33
14.33	334.20	51.32	126.67	31.60	95.07	4.01	47.54	79.13
14.34	334.22	51.34	127.11	31.58	95.53	4.03	47.77	79.35
14.36	334.27	51.39	127.03	31.53	95.50	4.03	47.75	79.28
14.38	334.26	51.37	127.16	31.54	95.62	4.03	47.81	79.35
14.39	334.26	51.37	127.20	31.54	95.66	4.03	47.83	79.37
14.41	334.29	51.41	127.25	31.51	95.74	4.04	47.87	79.38
14.43	334.28	51.39	127.24	31.52	95.71	4.04	47.86	79.38
14.45	334.27	51.39	127.47	31.53	95.94	4.04	47.97	79.50
14.46	334.32	51.43	127.46	31.48	95.98	4.05	47.99	79.47
14.48	334.28	51.40	127.65	31.52	96.14	4.05	48.07	79.58
14.55	334.35	51.47	127.92	31.45	96.47	4.07	48.24	79.68
14.90	334.38	51.49	129.28	31.42	97.86	4.11	48.93	80.35
15.24	334.32	51.43	130.63	31.48	99.14	4.15	49.57	81.06
15.59	334.29	51.41	131.63	31.51	100.12	4.18	50.06	81.57
15.94	334.06	51.18	132.74	31.74	101.00	4.18	50.50	82.24
16.29	334.14	51.26	133.28	31.66	101.62	4.21	50.81	82.47
16.63	334.07	51.19	134.15	31.73	102.42	4.23	51.21	82.94
16.98	334.04	51.16	134.78	31.76	103.02	4.24	51.51	83.27
17.35	334.02	51.13	135.11	31.78	103.33	4.25	51.67	83.45
17.68	334.09	51.21	135.00	31.71	103.29	4.26	51.65	83.36
18.15	334.15	51.27	135.21	31.65	103.56	4.27	51.78	83.43
18.53	334.23	51.34	134.98	31.57	103.41	4.28	51.71	83.28
18.89	334.27	51.39	134.77	31.53	103.25	4.27	51.62	83.15
19.35	334.45	51.57	134.24	31.35	102.89	4.28	51.44	82.79
19.55	334.53	51.64	134.15	31.27	102.88	4.29	51.44	82.71
19.86	334.59	51.71	133.96	31.21	102.76	4.29	51.38	82.59
20.20	334.65	51.76	133.82	31.15	102.67	4.30	51.33	82.49
20.54	334.61	51.73	134.17	31.19	102.98	4.30	51.49	82.68
20.95	334.66	51.77	134.19	31.15	103.04	4.31	51.52	82.67
21.44	334.68	51.79	134.10	31.13	102.97	4.31	51.49	82.61
21.56	334.63	51.75	134.19	31.17	103.02	4.31	51.51	82.68
21.90	334.63	51.75	134.47	31.17	103.30	4.31	51.65	82.82

STATIC ISOTROPICALLY CONSOLIDATED- DRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....8G

CORE INCREMENT.....201-209 cm

TEST NUMBER.....TE54

FINAL LATERAL CONSOLIDATION STRESS 183.86 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR..... .53 Kg

TRANSDUCER ZERO FACTOR..... 3.80 kPa

LVDT ZERO FACTOR.....-.46 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1′ (kPa)	SIG3′ (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	340.84	0.00	183.86	183.86	0.00	1.00	0.00	183.86
.00	340.85	.01	185.68	183.85	1.83	1.01	.92	184.77
.01	340.84	0.00	193.16	183.86	9.30	1.05	4.65	188.51
.02	340.85	.01	200.94	183.85	17.09	1.09	8.54	192.40
.02	340.85	.01	209.49	183.85	25.64	1.14	12.82	196.67
.03	340.84	0.00	218.32	183.86	34.46	1.19	17.23	201.09
.04	340.83	-.01	227.35	183.87	43.48	1.24	21.74	205.61
.05	340.85	.01	235.63	183.85	51.78	1.28	25.89	209.74
.07	340.84	0.00	243.63	183.86	59.77	1.33	29.89	213.75
.09	340.81	-.03	255.60	183.89	71.71	1.39	35.85	219.74
.12	340.79	-.05	263.54	183.91	79.63	1.43	39.82	223.73
.15	340.82	-.02	268.70	183.88	84.82	1.46	42.41	226.29
.19	340.79	-.05	271.97	183.91	88.06	1.48	44.03	227.94
.22	340.81	-.03	275.15	183.89	91.26	1.50	45.63	229.52
.25	340.79	-.05	278.41	183.91	94.50	1.51	47.25	231.16
.28	340.83	-.01	280.76	183.87	96.89	1.53	48.45	232.32
.32	340.84	0.00	283.74	183.86	99.88	1.54	49.94	233.80
.35	340.84	0.00	286.41	183.86	102.55	1.56	51.27	235.14
.38	340.81	-.03	288.95	183.89	105.06	1.57	52.53	236.42
.42	340.82	-.02	291.26	183.88	107.38	1.58	53.69	237.57
.45	340.84	0.00	293.56	183.86	109.70	1.60	54.85	238.71
.48	340.84	0.00	295.97	183.86	112.11	1.61	56.05	239.91
.51	340.84	0.00	298.26	183.86	114.40	1.62	57.20	241.06
.58	340.86	.02	302.01	183.84	118.17	1.64	59.08	242.92
.65	340.89	.05	306.40	183.81	122.59	1.67	61.30	245.11
.72	340.83	-.01	310.50	183.87	126.63	1.69	63.31	247.19
.78	340.85	.01	314.46	183.85	130.61	1.71	65.31	249.16
.85	340.92	.08	318.61	183.78	134.83	1.73	67.42	251.20
.92	340.90	.06	322.72	183.80	138.92	1.76	69.46	253.26
.98	340.91	.07	326.70	183.79	142.91	1.78	71.45	255.24
1.05	340.90	.06	330.42	183.80	146.62	1.80	73.31	257.11
1.12	340.92	.08	334.40	183.78	150.62	1.82	75.31	259.09
1.18	340.95	.11	338.08	183.75	154.33	1.84	77.16	260.91
1.25	340.97	.13	342.11	183.73	158.38	1.86	79.19	262.92
1.39	340.98	.14	349.93	183.72	166.21	1.90	83.11	266.83
1.52	340.98	.14	357.35	183.72	173.63	1.95	86.82	270.54
1.65	341.03	.19	364.86	183.67	181.19	1.99	90.60	274.27
1.79	341.02	.18	372.42	183.68	188.74	2.03	94.37	278.05
1.92	341.05	.21	379.58	183.65	195.93	2.07	97.96	281.61
2.06	341.09	.25	386.58	183.61	202.97	2.11	101.48	285.09
2.19	341.09	.25	393.50	183.61	209.89	2.14	104.95	288.56
2.33	341.11	.27	399.50	183.59	215.91	2.18	107.96	291.55
2.44	341.07	.23	406.56	183.63	222.93	2.21	111.47	295.10
2.57	341.08	.24	413.34	183.62	229.72	2.25	114.86	298.48
2.71	341.12	.28	419.83	183.58	236.25	2.29	118.13	301.71
2.84	341.13	.29	426.46	183.57	242.89	2.32	121.45	305.02
2.98	341.17	.33	432.82	183.53	249.29	2.36	124.64	308.17
3.11	341.22	.38	439.31	183.48	255.83	2.39	127.91	311.39
3.25	341.23	.39	445.63	183.47	262.16	2.43	131.08	314.55
3.38	341.27	.43	451.65	183.43	268.22	2.46	134.11	317.54
3.52	341.30	.46	458.01	183.40	274.61	2.50	137.30	320.70
3.66	341.33	.49	464.09	183.37	280.72	2.53	140.36	323.73
3.79	341.35	.51	469.95	183.35	286.60	2.56	143.30	326.65
3.93	341.37	.53	476.10	183.33	292.77	2.60	146.38	329.71

STRN (%)	U (kPa)	DELU (kPa)	SIG1′ (kPa)	SIG3′ (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
4.06	341.42	.58	481.57	183.28	298.29	2.63	149.14	332.42
4.74	340.37	-.47	510.55	184.33	326.22	2.77	163.11	347.44
5.42	340.52	-.32	536.62	184.18	352.44	2.91	176.22	360.40
6.11	340.56	-.28	560.19	184.14	376.05	3.04	188.03	372.17
6.79	340.68	-.16	582.25	184.02	398.23	3.16	199.12	383.14
7.48	340.75	-.09	601.73	183.95	417.78	3.27	208.89	392.84
8.17	340.80	-.04	618.98	183.90	435.08	3.37	217.54	401.44
8.96	340.89	.05	636.64	183.81	452.83	3.46	226.42	410.23
9.84	340.92	.08	653.28	183.78	469.50	3.55	234.75	418.53
10.54	340.94	.10	664.66	183.76	480.90	3.62	240.45	424.21
11.25	340.98	.14	672.88	183.72	489.16	3.66	244.58	428.30
11.95	341.04	.20	680.78	183.66	497.12	3.71	248.56	432.22
12.66	341.03	.19	686.21	183.67	502.54	3.74	251.27	434.94
13.36	341.06	.22	689.67	183.64	506.03	3.76	253.01	436.65
14.06	341.05	.21	691.40	183.65	507.75	3.76	253.88	437.53
14.76	341.02	.18	691.09	183.68	507.41	3.76	253.70	437.38
15.52	340.91	.07	688.73	183.79	504.94	3.75	252.47	436.26
16.18	340.98	.14	684.74	183.72	501.02	3.73	250.51	434.23
16.88	340.92	.08	676.17	183.78	492.39	3.68	246.20	429.98
17.66	340.85	.01	649.80	183.85	465.95	3.53	232.97	416.82
18.33	340.82	-.02	625.36	183.88	441.48	3.40	220.74	404.62
19.23	340.84	0.00	612.50	183.86	428.64	3.33	214.32	398.18
19.76	340.89	.05	610.76	183.81	426.95	3.32	213.48	397.29
20.47	340.95	.11	613.61	183.75	429.86	3.34	214.93	398.68
21.18	340.98	.14	612.69	183.72	428.97	3.33	214.49	398.21
21.90	341.01	.17	612.55	183.69	428.86	3.33	214.43	398.12
22.60	341.06	.22	609.46	183.64	425.82	3.32	212.91	396.55

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....8G

CORE INCREMENT.....217-226 cm

TEST NUMBER.....TE25

FINAL LATERAL CONSOLIDATION STRESS 63.11 kPa

INDUCED OCR..... 6.00

LOAD ZERO FACTOR..... .90 Kg

TRANSDUCER ZERO FACTOR.....-.70 kPa

LVDT ZERO FACTOR..... .57 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1′ (kPa)	SIG3′ (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	137.89	0.00	63.11	63.11	0.00	1.00	0.00	63.11
.00	137.91	.02	64.33	63.10	1.23	1.02	.62	63.71
.02	137.91	.02	64.35	63.09	1.26	1.02	.63	63.72
.04	137.90	.01	64.38	63.10	1.28	1.02	.64	63.74
.05	137.90	.01	64.40	63.10	1.30	1.02	.65	63.75
.07	137.90	.01	64.24	63.10	1.15	1.02	.57	63.67
.09	137.90	.01	64.37	63.10	1.27	1.02	.63	63.73
.10	137.90	.01	64.45	63.10	1.35	1.02	.68	63.77
.12	137.93	.04	64.50	63.08	1.43	1.02	.71	63.79
.13	137.94	.05	64.52	63.06	1.46	1.02	.73	63.79
.15	137.94	.05	64.44	63.06	1.39	1.02	.69	63.75
.17	137.94	.05	64.48	63.06	1.41	1.02	.71	63.77
.18	137.96	.07	64.39	63.05	1.35	1.02	.67	63.72
.22	137.97	.08	64.42	63.03	1.40	1.02	.70	63.72
.26	138.02	.13	64.37	62.98	1.39	1.02	.69	63.68
.29	138.92	1.03	66.58	62.08	4.50	1.07	2.25	64.33
.31	142.14	4.25	75.56	58.86	16.70	1.28	8.35	67.21
.35	146.82	8.93	93.42	54.18	39.23	1.72	19.62	73.80
.39	149.66	11.77	110.32	51.34	58.98	2.15	29.49	80.83
.43	151.19	13.30	126.68	49.81	76.87	2.54	38.43	88.25
.48	151.72	13.83	143.54	49.29	94.26	2.91	47.13	96.41
.53	151.35	13.46	159.55	49.65	109.89	3.21	54.95	104.60
.58	150.23	12.34	175.16	50.77	124.39	3.45	62.20	112.96
.63	148.61	10.72	189.72	52.40	137.32	3.62	68.66	121.06
.69	146.73	8.84	203.20	54.27	148.93	3.74	74.47	128.74
.74	144.86	6.97	214.64	56.14	158.51	3.82	79.25	135.39
.80	142.88	4.99	225.05	58.12	166.92	3.87	83.46	141.59
.86	141.01	3.12	234.16	59.99	174.17	3.90	87.08	147.08
.92	139.19	1.30	242.31	61.81	180.50	3.92	90.25	152.06
.98	137.65	-.24	249.00	63.35	185.65	3.93	92.83	156.17
1.03	136.43	-1.46	254.30	64.57	189.73	3.94	94.87	159.44
1.09	135.28	-2.61	259.64	65.72	193.92	3.95	96.96	162.68
1.13	134.64	-3.26	260.58	66.37	194.22	3.93	97.11	163.47
1.17	134.28	-3.61	263.82	66.72	197.10	3.95	98.55	165.27
1.22	133.71	-4.18	268.37	67.29	201.08	3.99	100.54	167.83
1.27	132.74	-5.15	273.88	68.26	205.62	4.01	102.81	171.07
1.33	132.02	-5.87	277.43	68.98	208.46	4.02	104.23	173.21
1.39	131.54	-6.35	279.31	69.46	209.85	4.02	104.92	174.39
1.45	130.84	-7.05	283.93	70.16	213.77	4.05	106.89	177.04
1.51	130.28	-7.61	286.73	70.72	216.01	4.05	108.00	178.72
1.55	130.22	-7.67	286.16	70.78	215.38	4.04	107.69	178.47
1.61	129.77	-8.12	290.87	71.23	219.64	4.08	109.82	181.05
1.67	129.31	-8.58	293.48	71.69	221.79	4.09	110.90	182.59
1.72	128.93	-8.96	296.18	72.07	224.11	4.11	112.06	184.13
1.78	128.62	-9.27	298.22	72.38	225.84	4.12	112.92	185.30
1.84	128.57	-9.32	299.01	72.43	226.59	4.13	113.29	185.72
1.89	128.34	-9.55	300.72	72.66	228.06	4.14	114.03	186.69
1.94	127.98	-9.91	303.85	73.02	230.83	4.16	115.41	188.44
2.00	127.57	-10.32	306.43	73.43	233.00	4.17	116.50	189.93
2.07	127.14	-10.76	308.49	73.87	234.63	4.18	117.32	191.18
2.13	126.80	-11.09	310.38	74.20	236.18	4.18	118.09	192.29
2.19	126.58	-11.32	311.97	74.43	237.54	4.19	118.77	193.20
2.26	126.39	-11.50	313.53	74.61	238.92	4.20	119.46	194.07
2.32	126.29	-11.60	315.11	74.71	240.40	4.22	120.20	194.91

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
2.39	126.05	-11.84	316.58	74.95	241.63	4.22	120.82	195.77
2.45	125.83	-12.06	318.16	75.17	242.99	4.23	121.50	196.66
2.52	125.72	-12.17	319.48	75.28	244.21	4.24	122.10	197.38
2.58	125.63	-12.26	320.93	75.37	245.56	4.26	122.78	198.15
2.65	125.61	-12.29	322.05	75.40	246.65	4.27	123.33	198.72
2.78	125.29	-12.60	324.81	75.71	249.11	4.29	124.55	200.26
2.84	125.27	-12.62	325.78	75.73	250.05	4.30	125.03	200.75
2.97	125.38	-12.52	327.93	75.63	252.30	4.34	126.15	201.78
3.10	125.32	-12.57	330.04	75.68	254.36	4.36	127.18	202.86
3.23	125.39	-12.50	331.93	75.61	256.32	4.39	128.16	203.77
3.36	125.27	-12.62	334.04	75.73	258.30	4.41	129.15	204.88
3.49	125.30	-12.59	335.82	75.70	260.12	4.44	130.06	205.76
3.82	125.08	-12.81	340.31	75.92	264.40	4.48	132.20	208.12
4.15	124.82	-13.07	344.65	76.18	268.47	4.52	134.24	210.41
4.48	124.52	-13.37	348.70	76.48	272.23	4.56	136.11	212.59
4.81	124.04	-13.85	353.46	76.96	276.50	4.59	138.25	215.21
5.13	123.66	-14.23	357.43	77.34	280.08	4.62	140.04	217.39
5.46	123.21	-14.68	361.35	77.79	283.56	4.65	141.78	219.57
5.78	122.73	-15.16	365.04	78.27	286.76	4.66	143.38	221.65
5.87	122.65	-15.25	365.71	78.36	287.36	4.67	143.68	222.03
6.50	121.14	-16.75	372.28	79.86	292.42	4.66	146.21	226.07
7.15	119.84	-18.05	377.09	81.16	295.93	4.65	147.96	229.13
7.80	118.24	-19.65	382.09	82.76	299.33	4.62	149.66	232.43
8.45	116.61	-21.28	385.98	84.39	301.59	4.57	150.80	235.19
9.11	114.53	-23.36	392.15	86.47	305.69	4.54	152.84	239.31
9.39	113.74	-24.15	394.19	87.26	306.93	4.52	153.47	240.72
9.48	113.62	-24.27	394.30	87.38	306.92	4.51	153.46	240.84
9.78	113.00	-24.89	396.70	88.00	308.70	4.51	154.35	242.35
10.45	111.81	-26.08	398.71	89.19	309.52	4.47	154.76	243.95
11.12	112.36	-25.53	390.37	88.64	301.73	4.40	150.87	239.51
11.80	115.09	-22.80	376.91	85.91	291.00	4.39	145.50	231.41
12.48	117.89	-20.00	364.56	83.11	281.45	4.39	140.73	223.83
13.15	120.44	-17.45	356.88	80.56	276.31	4.43	138.16	218.72
13.81	121.67	-16.22	355.20	79.33	275.86	4.48	137.93	217.26
14.48	122.36	-15.53	355.29	78.64	276.65	4.52	138.33	216.96
15.14	122.69	-15.20	355.95	78.31	277.64	4.55	138.82	217.13
15.80	123.03	-14.86	355.58	77.97	277.61	4.56	138.80	216.78
16.46	122.83	-15.06	357.15	78.17	278.98	4.57	139.49	217.66
17.12	122.68	-15.21	356.86	78.32	278.54	4.56	139.27	217.59
17.78	122.60	-15.29	356.27	78.40	277.87	4.54	138.93	217.34
18.44	122.79	-15.10	354.20	78.21	275.99	4.53	138.00	216.20
19.10	123.09	-14.80	351.89	77.91	273.98	4.52	136.99	214.90
19.77	123.26	-14.63	350.73	77.74	272.99	4.51	136.49	214.24
20.43	122.84	-15.06	351.91	78.17	273.74	4.50	136.87	215.04
21.10	122.11	-15.78	352.73	78.89	273.85	4.47	136.92	215.81
21.77	121.62	-16.27	353.98	79.38	274.60	4.46	137.30	216.68

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....8G

CORE INCREMENT.....318-326 cm

TEST NUMBER.....TE37

FINAL LATERAL CONSOLIDATION STRESS 379.95 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR..... .93 Kg

TRANSDUCER ZERO FACTOR.....-2.70 kPa

LVDT ZERO FACTOR..... .10 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	137.85	0.00	379.95	379.95	0.00	1.00	0.00	379.95
.00	137.66	-.19	380.59	380.14	.45	1.00	.22	380.36
.02	138.30	.45	382.39	379.50	2.89	1.01	1.44	380.95
.04	138.38	.53	382.26	379.42	2.84	1.01	1.42	380.84
.05	139.86	2.01	387.65	377.94	9.71	1.03	4.85	382.80
.06	142.97	5.12	397.09	374.83	22.26	1.06	11.13	385.96
.06	146.16	8.31	406.06	371.64	34.42	1.09	17.21	388.85
.07	149.75	11.90	415.13	368.05	47.08	1.13	23.54	391.59
.08	153.79	15.94	423.86	364.01	59.85	1.16	29.92	393.93
.10	162.13	24.28	439.37	355.67	83.70	1.24	41.85	397.52
.11	171.63	33.78	453.23	346.17	107.06	1.31	53.53	399.70
.13	181.84	43.99	465.15	335.96	129.19	1.38	64.60	400.56
.16	192.37	54.52	473.70	325.43	148.27	1.46	74.13	399.56
.18	202.94	65.09	480.02	314.86	165.16	1.52	82.58	397.44
.20	212.53	74.68	482.28	305.27	177.01	1.58	88.50	393.78
.23	224.15	86.30	476.58	293.65	182.93	1.62	91.47	385.12
.25	232.35	94.50	474.02	285.45	188.57	1.66	94.28	379.73
.27	242.33	104.48	478.35	275.47	202.88	1.74	101.44	376.91
.30	252.80	114.95	478.76	265.00	213.76	1.81	106.88	371.88
.35	265.38	127.53	480.22	252.42	227.80	1.90	113.90	366.32
.41	279.02	141.17	478.83	238.78	240.05	2.01	120.02	358.80
.47	292.52	154.67	474.06	225.28	248.78	2.10	124.39	349.67
.53	304.34	166.49	468.16	213.46	254.70	2.19	127.35	340.81
.60	314.62	176.77	462.85	203.18	259.67	2.28	129.83	333.01
.67	323.75	185.90	458.04	194.05	263.99	2.36	131.99	326.04
.74	331.84	193.99	453.05	185.96	267.09	2.44	133.55	319.51
.81	339.02	201.17	448.40	178.78	269.62	2.51	134.81	313.59
.88	345.59	207.74	443.92	172.21	271.71	2.58	135.86	308.07
.95	351.25	213.40	440.25	166.55	273.70	2.64	136.85	303.40
1.03	356.23	218.38	436.72	161.57	275.15	2.70	137.57	299.14
1.24	369.41	231.56	427.12	148.39	278.73	2.88	139.37	287.76
1.39	375.79	237.94	422.76	142.01	280.75	2.98	140.38	282.39
1.53	382.03	244.18	418.50	135.77	282.73	3.08	141.37	277.14
1.68	386.47	248.62	415.81	131.33	284.48	3.17	142.24	273.57
1.82	391.21	253.36	412.27	126.59	285.68	3.26	142.84	269.43
1.96	394.42	256.57	410.49	123.38	287.11	3.33	143.55	266.93
2.11	397.94	260.09	408.42	119.86	288.56	3.41	144.28	264.14
2.25	400.34	262.49	407.24	117.46	289.78	3.47	144.89	262.35
2.40	403.06	265.21	405.89	114.74	291.15	3.54	145.58	260.32
2.54	404.94	267.09	405.25	112.86	292.39	3.59	146.20	259.06
2.69	406.98	269.13	404.54	110.82	293.72	3.65	146.86	257.68
2.83	408.90	271.05	404.04	108.90	295.14	3.71	147.57	256.47
2.98	410.10	272.25	403.63	107.70	295.93	3.75	147.96	255.66
3.12	411.83	273.98	403.35	105.98	297.37	3.81	148.69	254.66
3.27	412.74	274.89	403.67	105.06	298.61	3.84	149.31	254.37
3.42	414.16	276.31	403.31	103.64	299.67	3.89	149.84	253.48
3.56	415.26	277.41	403.23	102.54	300.69	3.93	150.34	252.89
3.71	415.86	278.01	403.82	101.94	301.88	3.96	150.94	252.88
3.85	416.89	279.04	403.85	100.92	302.94	4.00	151.47	252.38
4.00	417.33	279.48	404.35	100.47	303.88	4.02	151.94	252.41
4.73	420.47	282.62	406.89	97.33	309.57	4.18	154.78	252.11
5.47	421.66	283.81	410.28	96.15	314.14	4.27	157.07	253.21
6.21	422.82	284.97	413.92	94.99	318.93	4.36	159.47	254.45
6.94	422.92	285.07	417.68	94.88	322.80	4.40	161.40	256.28

STRN (%)	U (kPa)	DELU (kPa)	SIG1′ (kPa)	SIG3′ (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
7.67	422.58	284.73	422.59	95.22	327.36	4.44	163.68	258.90
8.40	423.12	285.27	426.34	94.68	331.65	4.50	165.83	260.51
9.57	421.67	283.82	432.11	96.13	335.98	4.50	167.99	264.12
10.66	421.06	283.21	436.10	96.74	339.36	4.51	169.68	266.42
11.39	419.85	282.00	438.74	97.96	340.78	4.48	170.39	268.35
12.11	419.43	281.58	440.04	98.37	341.67	4.47	170.84	269.21
12.83	418.80	280.95	441.27	99.01	342.27	4.46	171.13	270.14
13.56	419.35	281.50	439.89	98.45	341.44	4.47	170.72	269.17
14.49	418.59	280.74	440.18	99.21	340.97	4.44	170.49	269.70
15.67	418.45	280.60	438.59	99.35	339.23	4.41	169.62	268.97
16.40	418.05	280.20	436.27	99.75	336.52	4.37	168.26	268.01
17.14	418.73	280.88	430.10	99.07	331.03	4.34	165.52	264.59
17.95	420.31	282.46	421.87	97.49	324.38	4.33	162.19	259.68
19.30	420.92	283.07	417.01	96.88	320.13	4.30	160.06	256.95
21.09	421.99	284.14	412.00	95.81	316.19	4.30	158.10	253.91
22.12	422.04	284.19	409.56	95.77	313.80	4.28	156.90	252.67

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....8G

CORE INCREMENT.....332-341 cm

TEST NUMBER.....TE24

FINAL LATERAL CONSOLIDATION STRESS 242.08 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR..... .66 Kg

TRANSDUCER ZERO FACTOR.....-1.00 kPa

LVDT ZERO FACTOR..... .46 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	273.72	0.00	242.08	242.08	0.00	1.00	0.00	242.08
.01	273.82	.10	242.93	241.98	.95	1.00	.48	242.46
.02	273.85	.13	242.76	241.95	.81	1.00	.41	242.36
.04	273.93	.21	242.66	241.87	.79	1.00	.40	242.27
.06	274.00	.28	242.74	241.80	.94	1.00	.47	242.27
.07	274.09	.37	242.82	241.71	1.11	1.00	.55	242.27
.09	274.28	.56	243.12	241.52	1.60	1.01	.80	242.32
.10	275.26	1.54	245.78	240.54	5.24	1.02	2.62	243.16
.11	277.74	4.02	252.38	238.06	14.32	1.06	7.16	245.22
.12	282.86	9.14	264.45	232.94	31.51	1.14	15.76	248.70
.14	289.48	15.76	277.45	226.32	51.13	1.23	25.56	251.88
.16	297.29	23.57	289.98	218.51	71.47	1.33	35.73	254.24
.18	305.61	31.89	301.15	210.19	90.96	1.43	45.48	255.67
.20	314.00	40.28	310.32	201.80	108.52	1.54	54.26	256.06
.22	322.12	48.40	317.09	193.68	123.41	1.64	61.70	255.38
.27	337.14	63.42	325.31	178.66	146.65	1.82	73.33	251.99
.33	350.24	76.52	327.41	165.56	161.85	1.98	80.92	246.48
.39	361.33	87.61	326.74	154.47	172.27	2.12	86.14	240.61
.45	370.73	97.01	324.45	145.07	179.38	2.24	89.69	234.76
.51	378.53	104.81	321.34	137.27	184.07	2.34	92.03	229.31
.57	385.18	111.46	318.34	130.62	187.72	2.44	93.86	224.48
.64	390.80	117.08	315.66	125.00	190.66	2.53	95.33	220.33
.70	395.68	121.96	312.85	120.12	192.73	2.60	96.36	216.48
.77	399.88	126.16	310.42	115.92	194.50	2.68	97.25	213.17
.83	403.61	129.89	308.27	112.19	196.08	2.75	98.04	210.23
.90	406.79	133.07	306.58	109.01	197.57	2.81	98.78	207.79
.96	409.74	136.02	305.10	106.06	199.04	2.88	99.52	205.58
1.03	412.36	138.64	303.47	103.44	200.04	2.93	100.02	203.46
1.09	414.75	141.03	302.22	101.05	201.18	2.99	100.59	201.64
1.16	416.92	143.20	300.93	98.88	202.05	3.04	101.02	199.91
1.29	420.72	147.00	298.63	95.08	203.55	3.14	101.78	196.86
1.42	423.89	150.17	297.12	91.91	205.21	3.23	102.60	194.52
1.55	426.61	152.89	295.71	89.19	206.52	3.32	103.26	192.45
1.69	428.99	155.27	294.71	86.81	207.90	3.39	103.95	190.76
1.82	431.02	157.30	293.95	84.78	209.17	3.47	104.58	189.36
1.95	432.84	159.12	293.28	82.96	210.32	3.54	105.16	188.12
2.08	434.44	160.72	292.66	81.36	211.30	3.60	105.65	187.01
2.22	435.86	162.14	292.28	79.94	212.34	3.66	106.17	186.11
2.35	437.14	163.42	292.08	78.66	213.42	3.71	106.71	185.37
2.48	438.22	164.50	292.24	77.58	214.66	3.77	107.33	184.91
2.61	439.25	165.53	292.17	76.55	215.62	3.82	107.81	184.36
2.74	440.18	166.46	292.50	75.62	216.88	3.87	108.44	184.06
2.88	440.93	167.21	292.69	74.87	217.82	3.91	108.91	183.78
3.01	441.69	167.97	293.12	74.11	219.01	3.96	109.50	183.62
3.14	442.35	168.63	293.42	73.45	219.96	3.99	109.98	183.44
3.27	442.95	169.23	293.59	72.85	220.73	4.03	110.37	183.22
3.40	443.48	169.76	294.31	72.32	221.99	4.07	111.00	183.31
3.53	443.98	170.26	294.60	71.82	222.78	4.10	111.39	183.21
3.66	444.44	170.72	295.05	71.36	223.70	4.13	111.85	183.21
3.80	444.82	171.10	295.62	70.98	224.64	4.16	112.32	183.30
4.45	446.32	172.60	298.48	69.48	229.01	4.30	114.50	183.98
5.10	447.22	173.50	301.43	68.58	232.85	4.40	116.42	185.01
5.75	447.59	173.87	304.73	68.21	236.52	4.47	118.26	186.47
6.40	447.79	174.07	306.18	68.01	238.17	4.50	119.08	187.10

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
7.05	447.57	173.85	310.97	68.23	242.74	4.56	121.37	189.60
7.71	447.27	173.55	314.72	68.53	246.19	4.59	123.09	191.63
8.38	446.88	173.16	317.88	68.92	248.96	4.61	124.48	193.40
9.04	446.39	172.67	321.15	69.41	251.74	4.63	125.87	195.28
9.71	445.83	172.11	323.81	69.97	253.84	4.63	126.92	196.89
10.37	445.23	171.51	326.14	70.57	255.57	4.62	127.79	198.36
11.10	444.55	170.83	328.22	71.25	256.97	4.61	128.48	199.74
11.75	443.92	170.20	330.40	71.88	258.52	4.60	129.26	201.14
12.40	443.34	169.62	330.93	72.47	258.46	4.57	129.23	201.70
13.05	442.67	168.95	331.98	73.13	258.84	4.54	129.42	202.55
13.71	442.13	168.41	332.87	73.68	259.19	4.52	129.60	203.27
14.36	441.57	167.85	333.90	74.23	259.67	4.50	129.84	204.07
15.34	440.98	167.26	332.97	74.82	258.14	4.45	129.07	203.90
16.32	440.94	167.22	328.01	74.86	253.15	4.38	126.57	201.44
17.29	443.13	169.41	319.77	72.67	247.11	4.40	123.55	196.22
17.95	444.11	170.39	316.96	71.69	245.28	4.42	122.64	194.33
18.84	445.08	171.36	312.69	70.72	241.97	4.42	120.99	191.71
19.60	445.58	171.86	309.60	70.22	239.38	4.41	119.69	189.91

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....8G

CORE INCREMENT.....353-362 cm

TEST NUMBER.....TE26

FINAL LATERAL CONSOLIDATION STRESS 125.08 kPa

INDUCED OCR..... 3.00

LOAD ZERO FACTOR..... 2.60 Kg

TRANSDUCER ZERO FACTOR.....-1.80 kPa

LVDT ZERO FACTOR..... .65 cm

STRN (%)	U (kPa)	DELU (kPa)	SIG1′ (kPa)	SIG3′ (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	392.82	0.00	125.08	125.08	0.00	1.00	0.00	125.08
.00	392.84	.02	130.51	125.06	5.45	1.04	2.72	127.78
.01	392.85	.03	139.50	125.05	14.45	1.12	7.23	132.28
.03	392.81	-.01	146.40	125.09	21.31	1.17	10.65	135.74
.03	392.78	-.04	152.64	125.12	27.52	1.22	13.76	138.88
.04	392.81	-.01	158.34	125.09	33.25	1.27	16.62	141.71
.05	394.04	1.22	163.39	123.86	39.53	1.32	19.77	143.63
.06	396.47	3.65	167.99	121.43	46.56	1.38	23.28	144.71
.07	398.48	5.66	172.25	119.42	52.83	1.44	26.42	145.84
.09	402.14	9.32	181.42	115.76	65.66	1.57	32.83	148.59
.11	405.31	12.49	190.14	112.59	77.55	1.69	38.78	151.37
.13	408.04	15.22	198.13	109.86	88.27	1.80	44.13	153.99
.15	410.32	17.50	205.87	107.58	98.28	1.91	49.14	156.72
.18	412.36	19.54	213.20	105.54	107.66	2.02	53.83	159.37
.20	414.02	21.20	220.35	103.88	116.48	2.12	58.24	162.12
.25	416.50	23.68	233.57	101.40	132.16	2.30	66.08	167.48
.30	418.29	25.47	246.03	99.61	146.42	2.47	73.21	172.82
.35	419.46	26.64	256.90	98.44	158.45	2.61	79.23	177.67
.41	420.21	27.39	266.59	97.69	168.90	2.73	84.45	182.14
.46	420.64	27.82	275.40	97.26	178.14	2.83	89.07	186.33
.52	420.93	28.11	282.62	96.97	185.65	2.91	92.82	189.79
.58	421.10	28.28	288.92	96.80	192.12	2.98	96.06	192.86
.63	421.20	28.38	294.50	96.71	197.80	3.05	98.90	195.60
.69	421.27	28.45	299.29	96.63	202.66	3.10	101.33	197.96
.75	421.35	28.53	303.52	96.55	206.97	3.14	103.49	200.03
.81	421.50	28.68	306.95	96.40	210.55	3.18	105.28	201.68
.87	421.63	28.81	310.21	96.27	213.94	3.22	106.97	203.24
.93	421.75	28.93	313.09	96.16	216.93	3.26	108.47	204.62
.98	421.90	29.08	315.62	96.00	219.62	3.29	109.81	205.81
1.04	422.04	29.22	317.96	95.86	222.10	3.32	111.05	206.91
1.16	422.47	29.65	322.04	95.43	226.61	3.37	113.31	208.74
1.28	422.92	30.10	325.06	94.98	230.09	3.42	115.04	210.02
1.40	423.46	30.64	327.57	94.44	233.13	3.47	116.56	211.00
1.52	423.85	31.03	329.92	94.05	235.87	3.51	117.94	211.99
1.65	424.88	32.06	331.33	93.02	238.31	3.56	119.15	212.18
1.77	425.45	32.63	332.56	92.45	240.11	3.60	120.06	212.50
1.89	425.99	33.17	333.85	91.92	241.93	3.63	120.97	212.88
2.01	426.52	33.70	334.92	91.38	243.55	3.67	121.77	213.15
2.13	427.09	34.27	335.53	90.81	244.72	3.69	122.36	213.17
2.25	427.65	34.83	336.11	90.25	245.86	3.72	122.93	213.18
2.37	428.13	35.31	337.05	89.77	247.28	3.75	123.64	213.41
2.50	428.65	35.83	337.62	89.25	248.37	3.78	124.18	213.43
2.62	429.13	36.31	338.16	88.77	249.39	3.81	124.69	213.46
2.74	429.57	36.75	338.52	88.33	250.19	3.83	125.09	213.42
2.92	430.13	37.31	339.33	87.77	251.57	3.87	125.78	213.55
3.11	431.03	38.21	339.62	86.87	252.75	3.91	126.38	213.25
3.23	431.48	38.66	339.87	86.42	253.45	3.93	126.73	213.14
3.36	431.89	39.07	340.20	86.01	254.20	3.96	127.10	213.10
3.48	432.28	39.46	340.24	85.62	254.62	3.97	127.31	212.93
4.22	434.32	41.50	341.50	83.58	257.92	4.09	128.96	212.54
4.84	435.68	42.86	341.67	82.22	259.45	4.16	129.73	211.95
5.46	436.76	43.94	342.06	81.14	260.92	4.22	130.46	211.60
6.43	438.05	45.23	342.08	79.85	262.23	4.28	131.11	210.97
7.04	438.61	45.79	342.38	79.29	263.09	4.32	131.54	210.84

STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
7.65	439.08	46.26	342.33	78.82	263.51	4.34	131.76	210.57
8.27	439.40	46.58	342.62	78.50	264.12	4.36	132.06	210.56
8.88	439.74	46.92	342.45	78.16	264.29	4.38	132.15	210.31
9.51	439.91	47.09	340.85	77.99	262.87	4.37	131.43	209.42
10.14	440.14	47.32	340.61	77.76	262.85	4.38	131.43	209.18
10.77	440.30	47.48	340.05	77.60	262.45	4.38	131.22	208.82
11.40	440.46	47.64	339.39	77.44	261.95	4.38	130.98	208.41
12.03	440.55	47.73	338.10	77.35	260.75	4.37	130.38	207.72
12.65	440.72	47.90	336.98	77.19	259.80	4.37	129.90	207.08
13.27	440.88	48.06	336.17	77.03	259.14	4.36	129.57	206.60
13.89	440.96	48.14	334.55	76.94	257.61	4.35	128.80	205.74
14.51	441.13	48.31	333.57	76.78	256.79	4.34	128.40	205.17
15.13	441.23	48.41	332.18	76.67	255.50	4.33	127.75	204.42
15.74	441.35	48.53	330.91	76.55	254.36	4.32	127.18	203.73
16.36	441.48	48.66	329.06	76.42	252.64	4.31	126.32	202.74
16.97	441.61	48.79	327.60	76.29	251.31	4.29	125.66	201.95
17.58	441.72	48.90	325.47	76.18	249.29	4.27	124.64	200.82
18.20	441.86	49.04	323.56	76.04	247.51	4.25	123.76	199.80
18.81	441.93	49.11	321.59	75.97	245.63	4.23	122.81	198.78
19.42	442.07	49.25	319.43	75.83	243.60	4.21	121.80	197.63
20.04	442.04	49.22	317.37	75.86	241.51	4.18	120.76	196.62
20.66	442.21	49.39	315.38	75.69	239.69	4.17	119.85	195.54
21.29	442.37	49.55	313.31	75.53	237.78	4.15	118.89	194.42
21.91	442.59	49.77	311.78	75.31	236.46	4.14	118.23	193.55
22.54	442.72	49.90	309.60	75.18	234.42	4.12	117.21	192.39
23.17	442.91	50.09	307.75	74.99	232.76	4.10	116.38	191.37
23.79	443.17	50.35	305.53	74.73	230.80	4.09	115.40	190.13
24.41	443.33	50.51	303.27	74.57	228.70	4.07	114.35	188.92

STATIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....8G

CORE INCREMENT.....365-374 cm

TEST NUMBER.....TE36

FINAL LATERAL CONSOLIDATION STRESS 142.45 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR..... 1.18 Kg

TRANSDUCER ZERO FACTOR..... 1.60 kPa

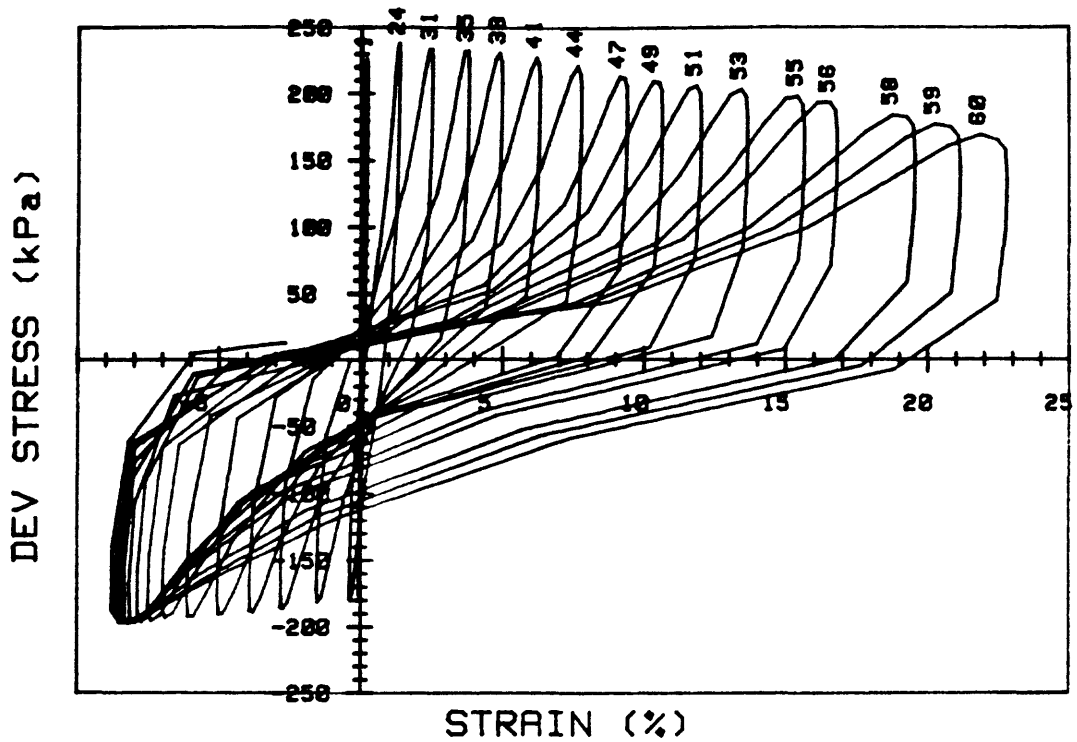
LVDT ZERO FACTOR..... .69 cm

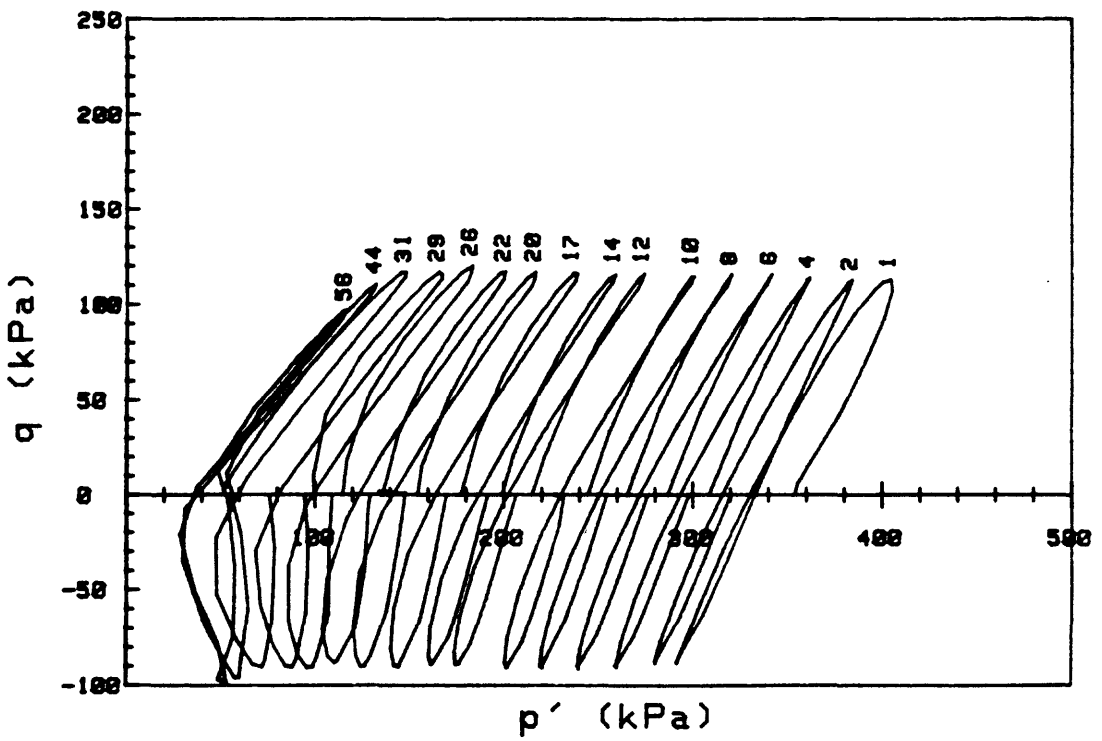
STRN (%)	U (kPa)	DELU (kPa)	SIG1' (kPa)	SIG3' (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
0.00	342.25	0.00	142.45	142.45	0.00	1.00	0.00	142.45
-.00	342.25	0.00	144.99	142.45	2.54	1.02	1.27	143.72
.01	342.35	.10	145.38	142.35	3.03	1.02	1.52	143.87
.03	342.35	.10	145.40	142.35	3.05	1.02	1.52	143.88
.04	342.39	.14	145.40	142.31	3.09	1.02	1.55	143.86
.06	342.38	.13	143.37	142.32	1.05	1.01	.53	142.85
.07	342.44	.19	145.22	142.26	2.96	1.02	1.48	143.74
.09	342.45	.20	144.91	142.25	2.66	1.02	1.33	143.58
.10	343.57	1.32	148.12	141.13	6.99	1.05	3.49	144.62
.12	348.30	6.05	159.32	136.40	22.92	1.17	11.46	147.86
.14	353.72	11.47	168.82	130.98	37.84	1.29	18.92	149.90
.16	359.39	17.14	175.56	125.31	50.25	1.40	25.13	150.44
.19	364.99	22.74	180.51	119.71	60.79	1.51	30.40	150.11
.21	370.24	27.99	183.66	114.46	69.20	1.60	34.60	149.06
.24	375.18	32.93	185.14	109.52	75.62	1.69	37.81	147.33
.30	383.73	41.48	186.42	100.97	85.46	1.85	42.73	143.70
.36	390.75	48.50	186.69	93.95	92.74	1.99	46.37	140.32
.42	396.36	54.11	186.18	88.34	97.84	2.11	48.92	137.26
.48	401.07	58.82	185.54	83.63	101.91	2.22	50.95	134.59
.54	405.10	62.85	184.93	79.60	105.32	2.32	52.66	132.27
.60	408.51	66.26	183.96	76.19	107.76	2.41	53.88	130.08
.67	411.42	69.17	182.77	73.28	109.49	2.49	54.75	128.03
.73	413.98	71.73	182.13	70.73	111.40	2.58	55.70	126.43
.79	416.14	73.89	182.14	68.56	113.59	2.66	56.79	125.35
.86	418.10	75.85	181.80	66.60	115.20	2.73	57.60	124.20
.92	419.81	77.56	181.44	64.89	116.56	2.80	58.28	123.17
.98	421.40	79.15	181.31	63.30	118.01	2.86	59.00	122.31
1.05	422.77	80.52	181.06	61.94	119.13	2.92	59.56	121.50
1.11	424.10	81.85	180.94	60.60	120.34	2.99	60.17	120.77
1.18	425.27	83.02	180.66	59.43	121.23	3.04	60.61	120.04
1.30	427.34	85.09	180.68	57.37	123.32	3.15	61.66	119.02
1.43	429.17	86.92	180.44	55.53	124.91	3.25	62.45	117.99
1.56	430.60	88.35	180.89	54.10	126.79	3.34	63.40	117.50
1.69	431.94	89.69	180.61	52.76	127.85	3.42	63.93	116.68
1.82	433.07	90.82	181.30	51.63	129.66	3.51	64.83	116.47
1.95	433.98	91.73	181.79	50.72	131.07	3.58	65.53	116.25
2.08	434.88	92.63	182.19	49.82	132.37	3.66	66.18	116.00
2.21	435.69	93.44	182.32	49.02	133.31	3.72	66.65	115.67
2.34	436.31	94.06	182.98	48.39	134.59	3.78	67.29	115.68
2.47	436.92	94.67	183.56	47.78	135.77	3.84	67.89	115.67
2.60	437.46	95.21	184.05	47.24	136.81	3.90	68.40	115.65
2.73	437.85	95.60	184.62	46.85	137.77	3.94	68.88	115.74
2.86	438.30	96.05	185.22	46.40	138.82	3.99	69.41	115.81
2.99	438.63	96.38	185.68	46.07	139.61	4.03	69.81	115.88
3.12	438.95	96.70	186.17	45.75	140.42	4.07	70.21	115.96
3.25	439.31	97.06	186.76	45.39	141.37	4.11	70.69	116.08
3.38	439.49	97.24	187.27	45.21	142.06	4.14	71.03	116.24
3.51	439.82	97.57	187.75	44.89	142.86	4.18	71.43	116.32
3.64	440.01	97.76	188.44	44.69	143.75	4.22	71.87	116.57
3.78	440.12	97.87	188.96	44.58	144.38	4.24	72.19	116.77
4.43	440.61	98.36	191.61	44.10	147.52	4.35	73.76	117.85
5.09	441.00	98.75	194.14	43.70	150.43	4.44	75.22	118.92
5.74	440.78	98.53	197.10	43.92	153.19	4.49	76.59	120.51
6.39	439.87	97.62	200.66	44.83	155.83	4.48	77.92	122.75

STRN (%)	U (kPa)	DELU (kPa)	SIG1′ (kPa)	SIG3′ (kPa)	DEV (kPa)	OBL	Q (kPa)	P (kPa)
7.03	439.92	97.67	202.86	44.78	158.08	4.53	79.04	123.82
7.68	439.69	97.44	204.97	45.01	159.96	4.55	79.98	124.99
8.32	439.75	97.50	206.79	44.95	161.84	4.60	80.92	125.87
8.96	438.58	96.33	209.12	46.12	163.00	4.53	81.50	127.62
9.62	438.60	96.35	210.34	46.10	164.24	4.56	82.12	128.22
10.27	437.42	95.17	212.78	47.29	165.49	4.50	82.75	130.03
11.33	436.81	94.56	214.70	47.89	166.82	4.48	83.41	131.30
12.31	436.41	94.16	215.68	48.29	167.39	4.47	83.69	131.99
12.96	436.74	94.49	216.16	47.96	168.20	4.51	84.10	132.06
13.61	435.82	93.57	216.90	48.89	168.02	4.44	84.01	132.89
14.25	436.27	94.02	216.18	48.43	167.75	4.46	83.88	132.30
14.90	436.62	94.37	215.36	48.08	167.28	4.48	83.64	131.72
15.72	434.82	92.57	216.86	49.88	166.98	4.35	83.49	133.37
16.75	434.71	92.46	216.40	49.99	166.41	4.33	83.20	133.19
17.39	434.56	92.31	216.08	50.14	165.94	4.31	82.97	133.11
18.03	434.37	92.12	215.05	50.33	164.71	4.27	82.36	132.69
18.73	433.77	91.52	214.52	50.93	163.58	4.21	81.79	132.73
19.90	434.25	92.00	211.74	50.45	161.28	4.20	80.64	131.10
21.46	434.36	92.11	208.46	50.35	158.11	4.14	79.06	129.40
22.38	434.24	91.99	206.58	50.46	156.13	4.09	78.06	128.52

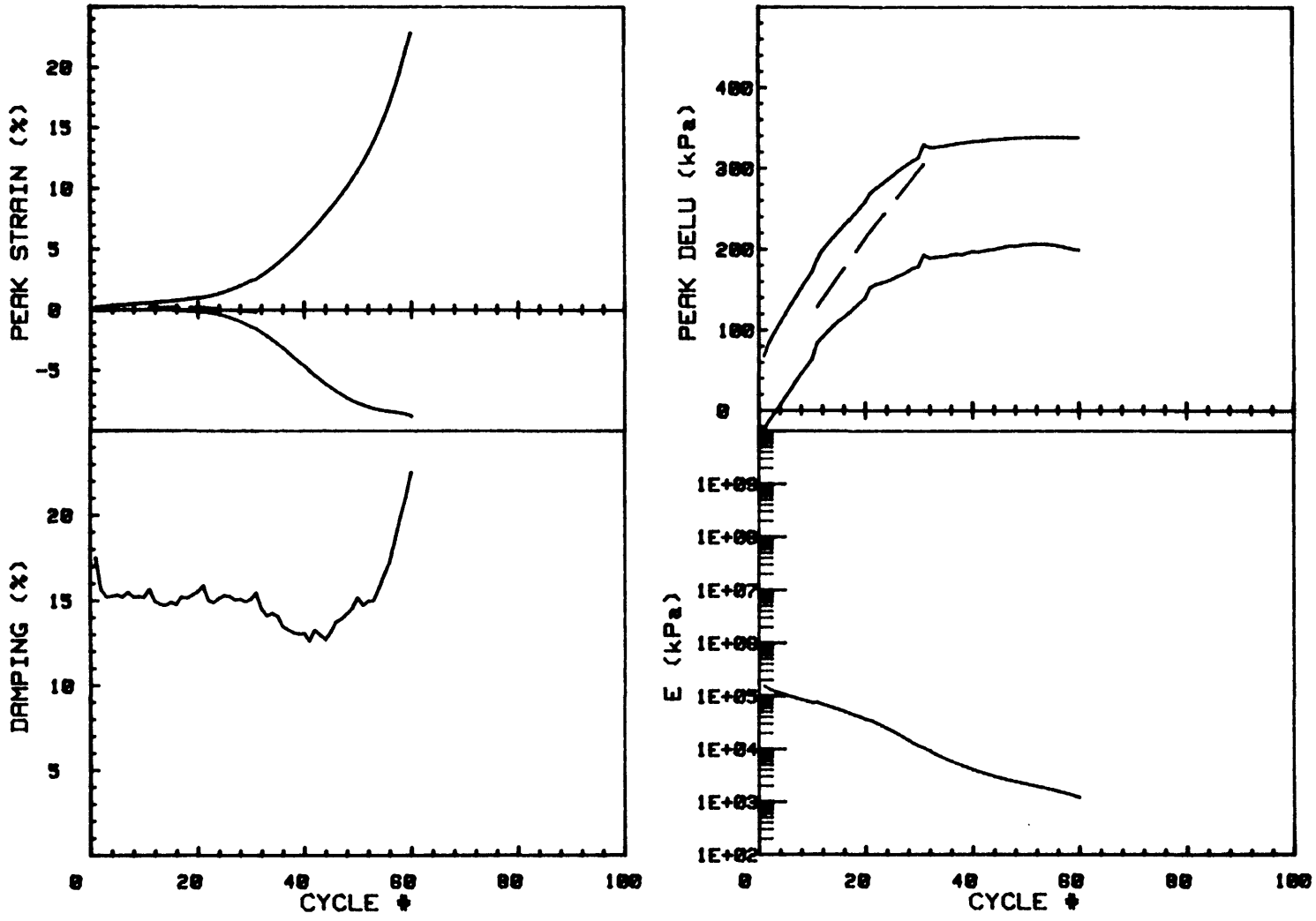
APPENDIX C

Cyclic Triaxial Test Plots and Data

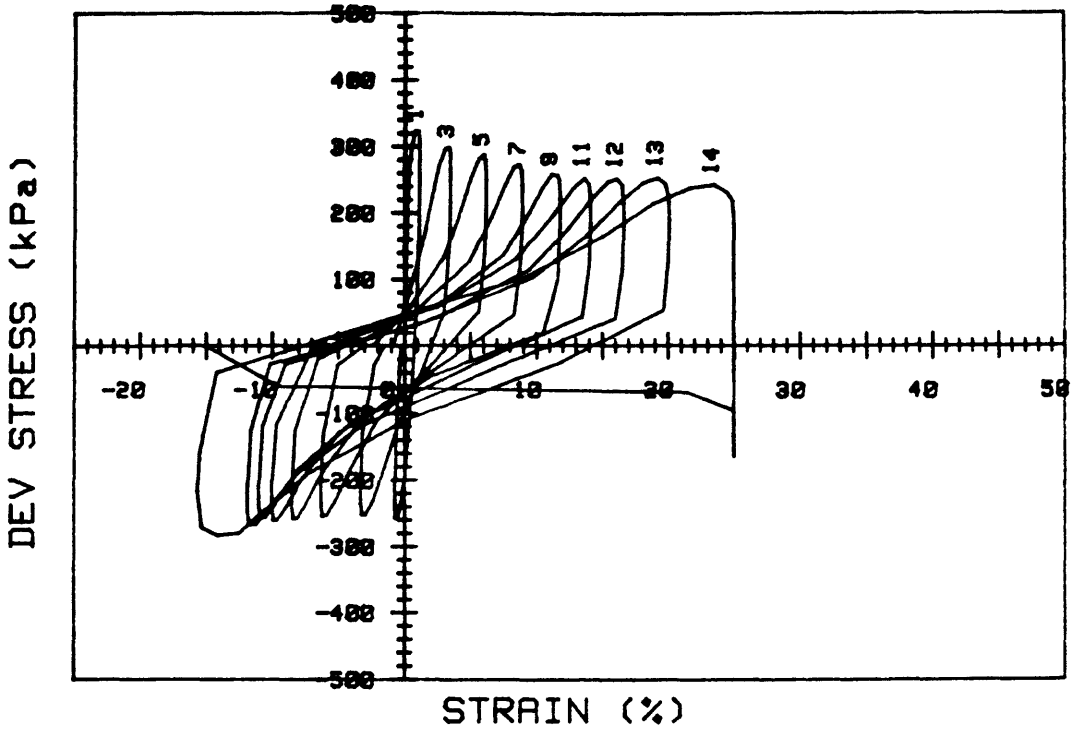


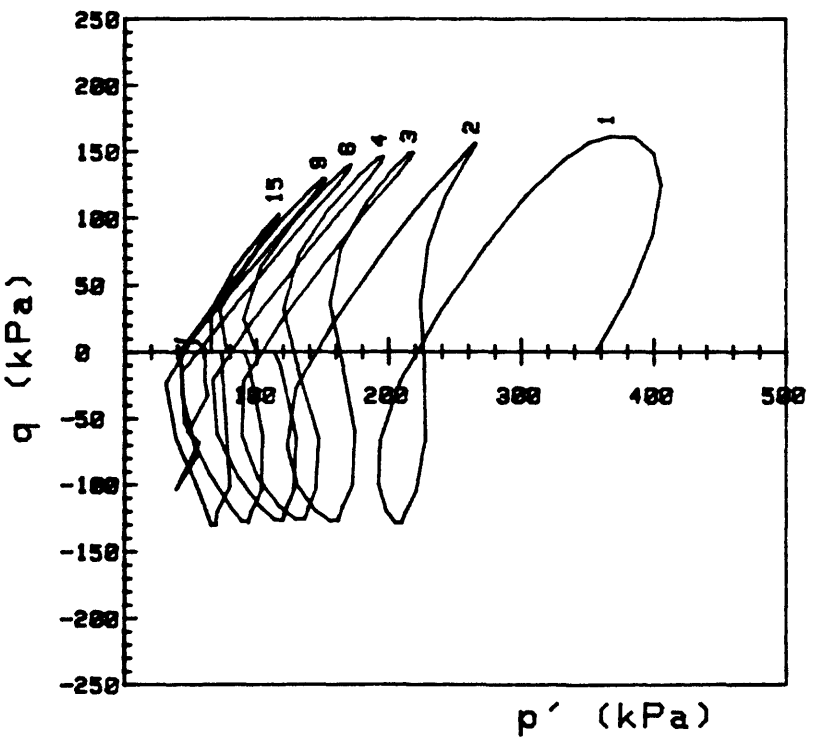


CRUISE	KK1-81-HW	INCREMENT (cm)	102-110
CORE NO.	1G	TEST NO.	TC4
SIG1c´(kPa)	356.0	STATIC qf (kPa)	196.7
SIG3c´(kPa)	356.0	AVG MAX q (kPa)	111.6 (56.7%)
INDUCED OCR	1.0	AVG MIN q (kPa)	-93.0 (47.3%)

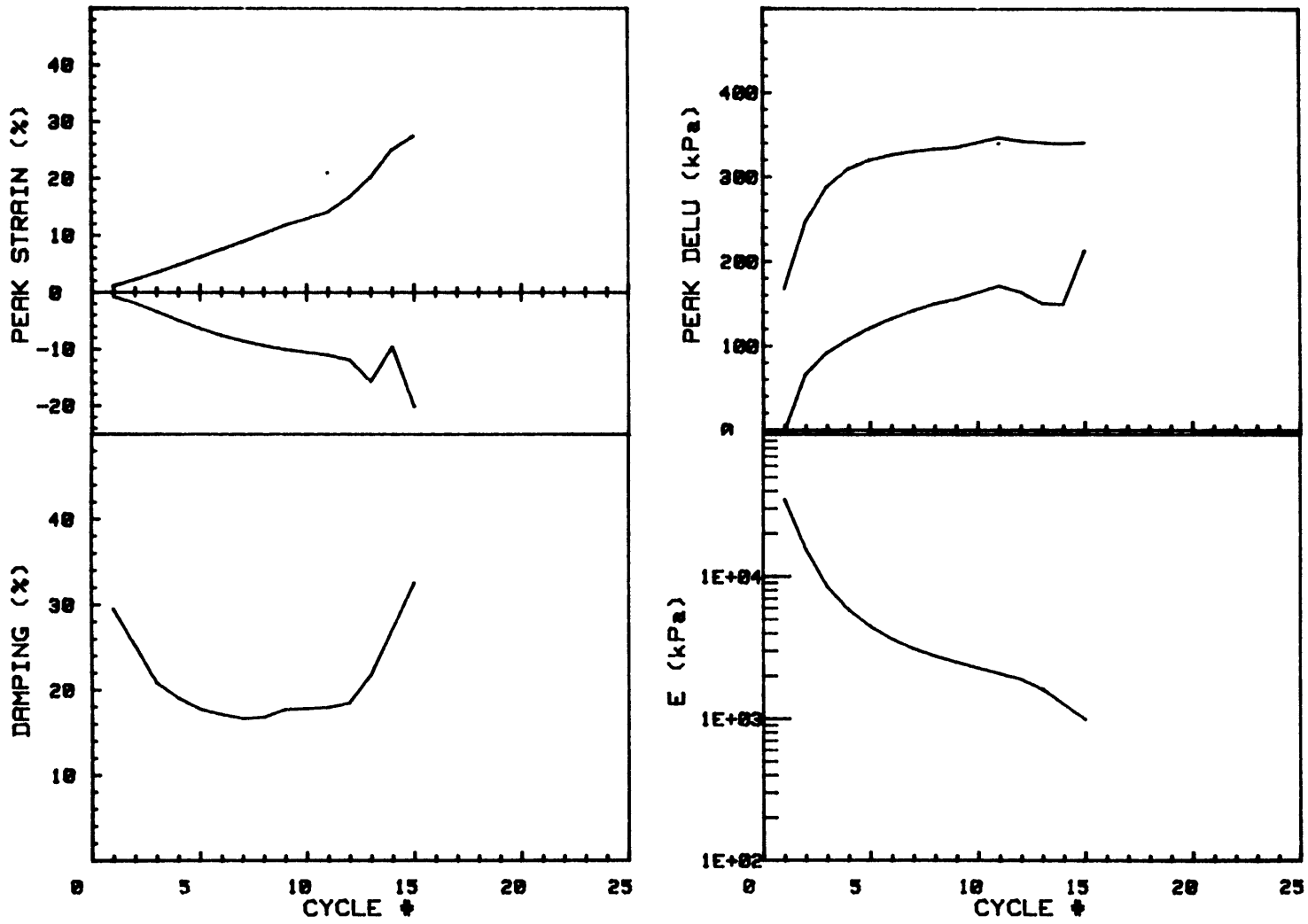


CRUISE	KK1-81-HW	INCREMENT (cm)	102-110
CORE NO.	1G	TEST NO.	TC4
SIG1c'(kPa)	356.0	STATIC qf (kPa)	196.7
SIG3c'(kPa)	356.0	AVG MAX q (kPa)	111.6 (56.7%)
INDUCED OCR	1.0	AVG MIN q (kPa)	-93.0 (47.3%)

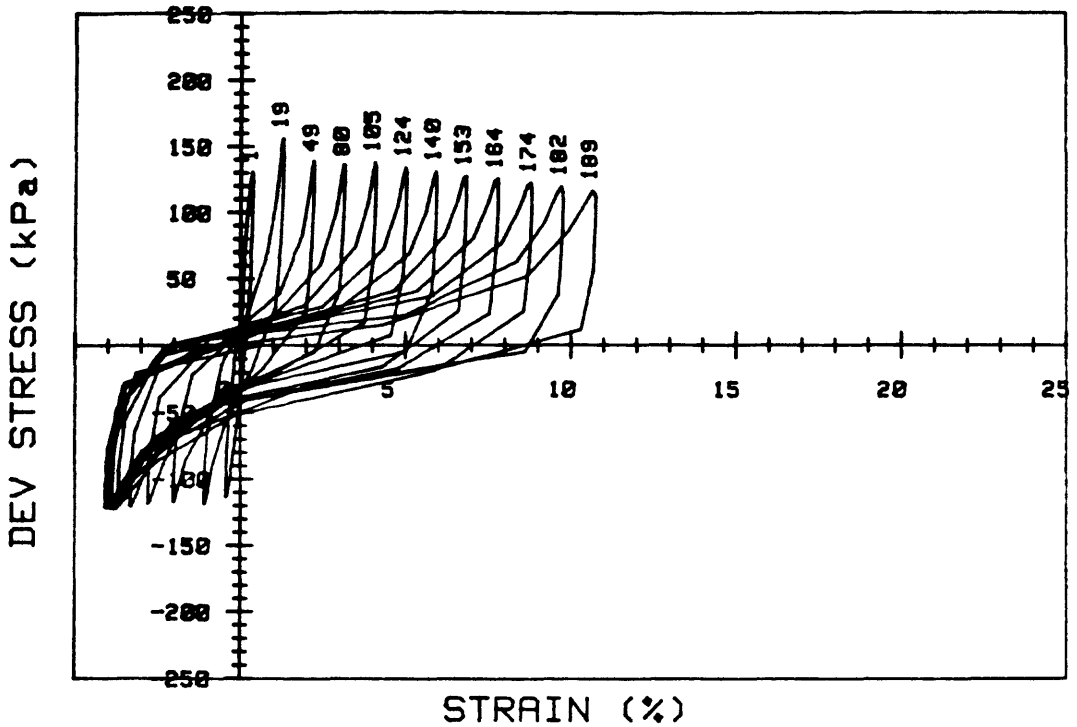


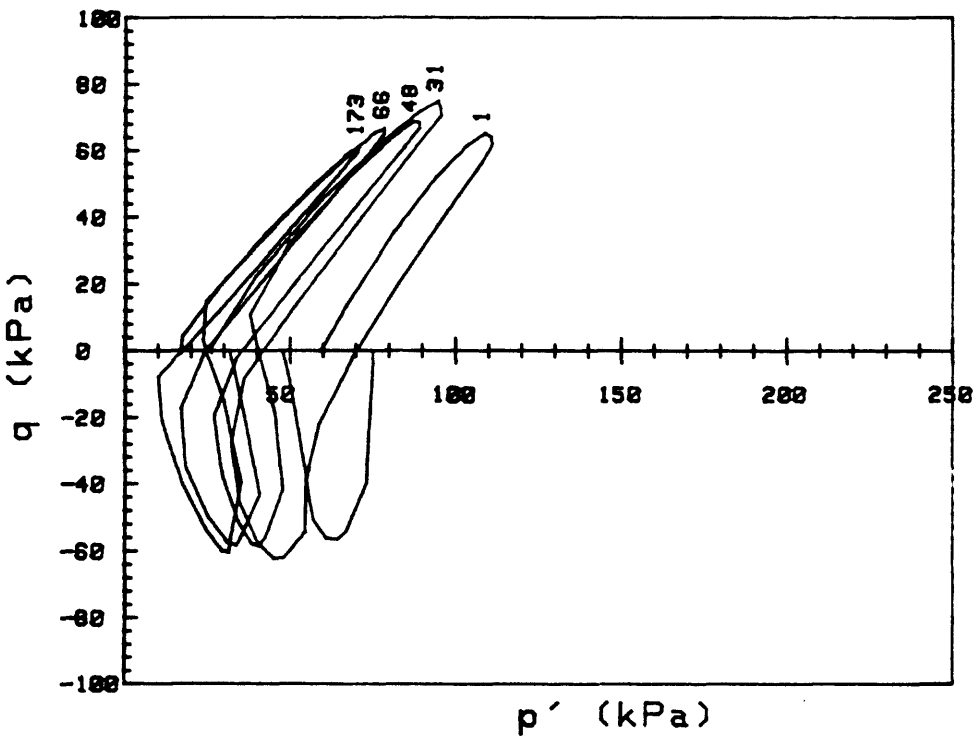


CRUISE KK1-81-HW		INCREMENT (cm)	112-120
CORE NO.	1G	TEST NO.	TC3
SIG1c´(kPa)	354.8	STATIC qf (kPa)	196.7
SIG3c´(kPa)	354.8	AVG MAX q (kPa)	134.9 (68.6%)
INDUCED OCR	1.0	AVG MIN q (kPa)	-114.4 (58.2%)

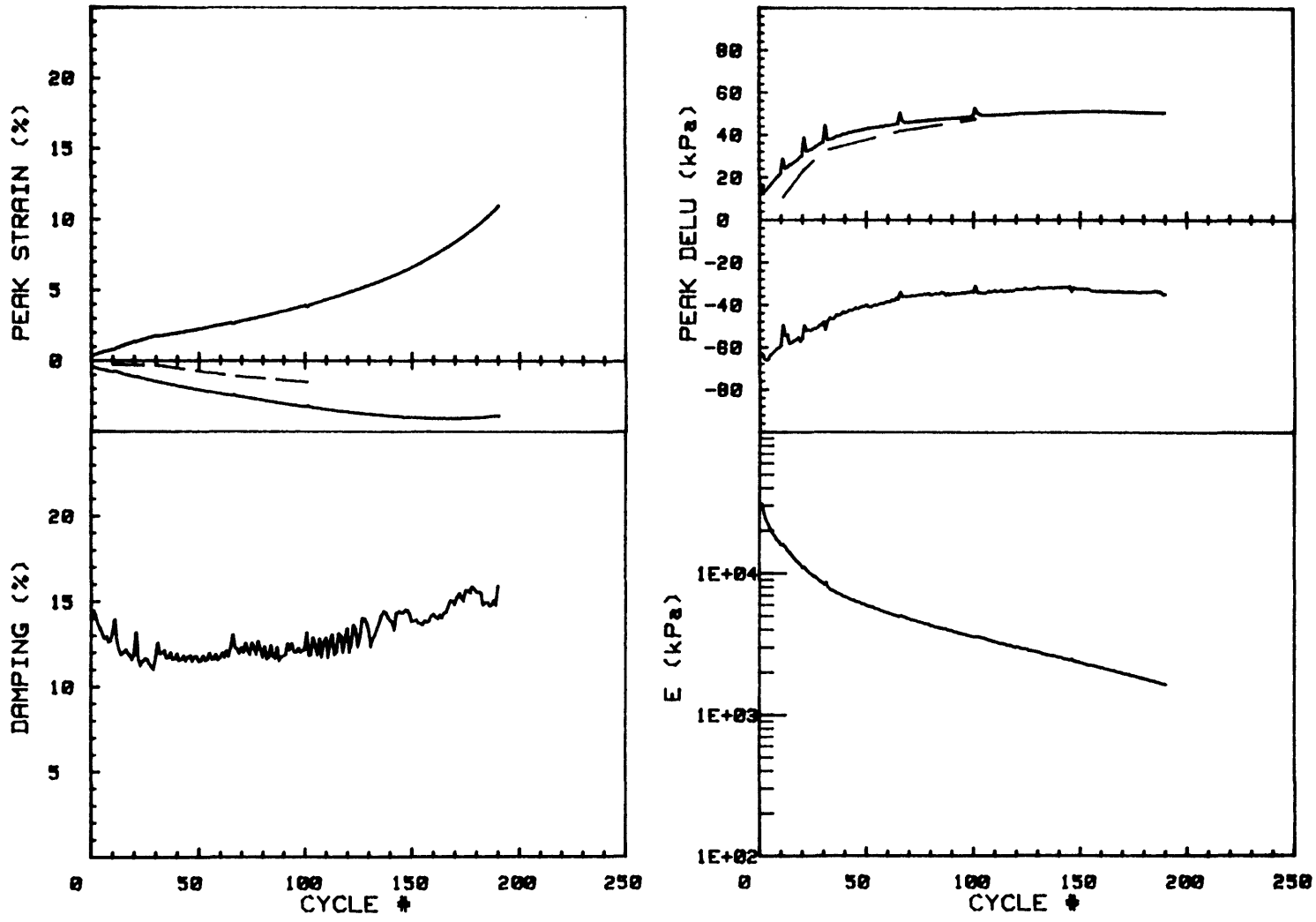


CRUISE	KK1-81-HW	INCREMENT (cm)	112-120
CORE NO.	1G	TEST NO.	TC3
SIG1c'(kPa)	354.8	STATIC qf (kPa)	196.7
SIG3c'(kPa)	354.8	AVG MAX q (kPa)	134.9 (68.6%)
INDUCED OCR	1.0	AVG MIN q (kPa)	-114.4 (58.2%)

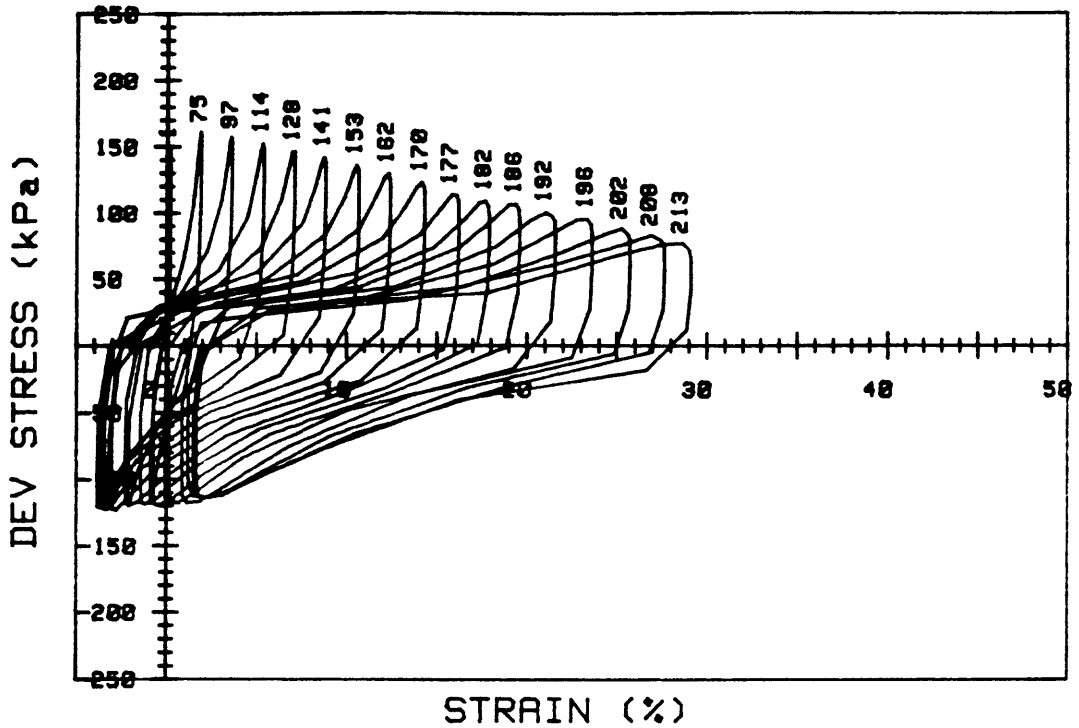


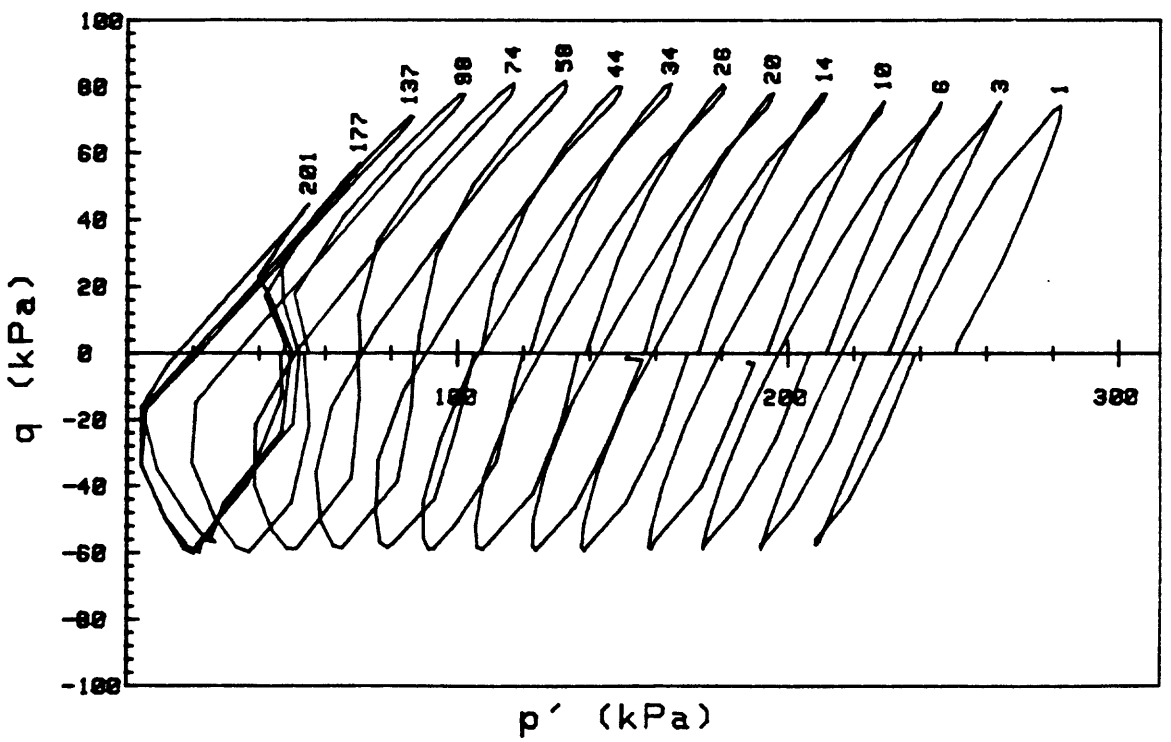


CRUISE KK1-81-HW		INCREMENT (cm)	180-188
CORE NO.	1G	TEST NO.	TC9
SIG1c´(kPa)	58.3	STATIC qf (kPa)	131.2
SIG3c´(kPa)	58.3	AVG MAX q (kPa)	67.2 (51.2%)
OCR	6.0	AVG MIN q (kPa)	-59.3 (45.2%)

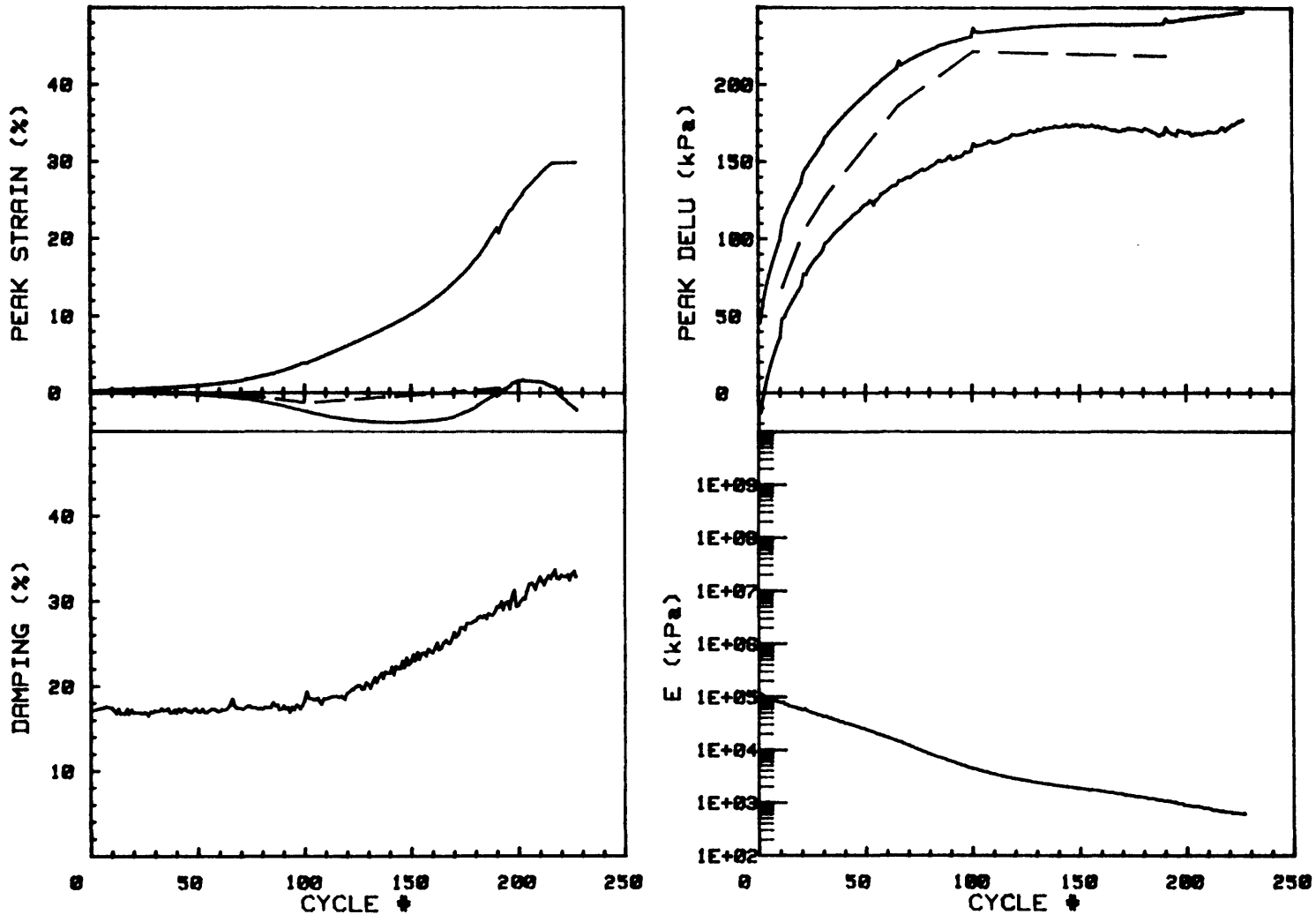


CRUISE	KK1-81-HW	INCREMENT (cm)	180-188
CORE NO.	1G	TEST NO.	TC9
SIG1c'(kPa)	58.3	STATIC qf (kPa)	131.2
SIG3c'(kPa)	58.3	AVG MAX q (kPa)	67.2 (51.2%)
OCR	6.0	AVG MIN q (kPa)	-59.3 (45.2%)

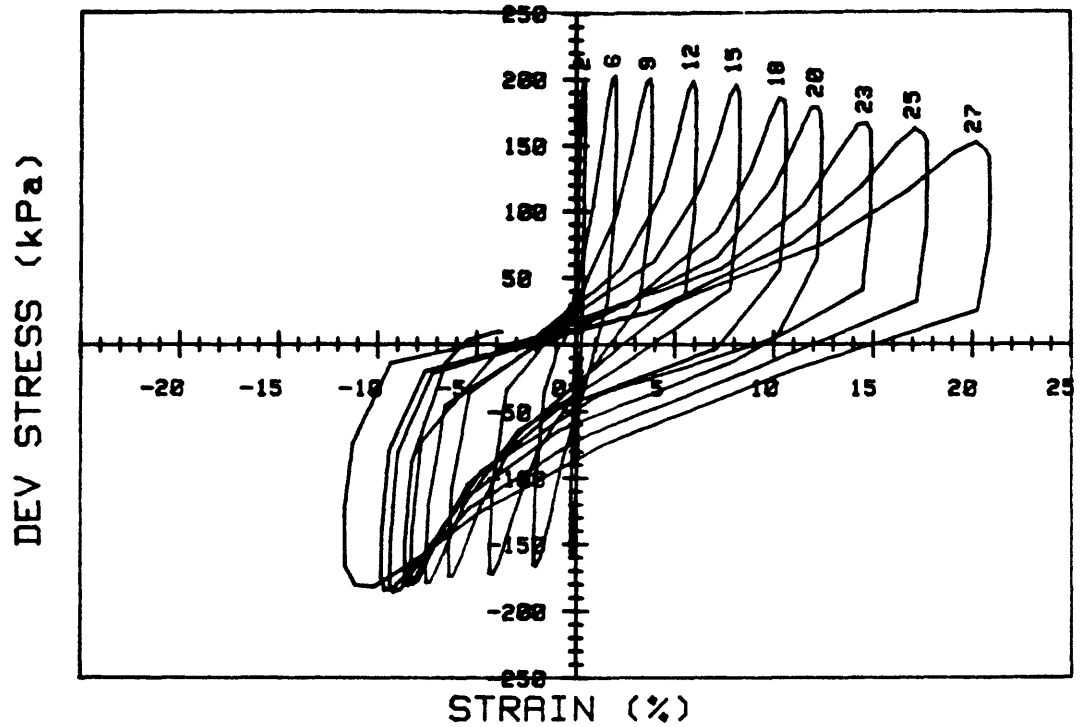


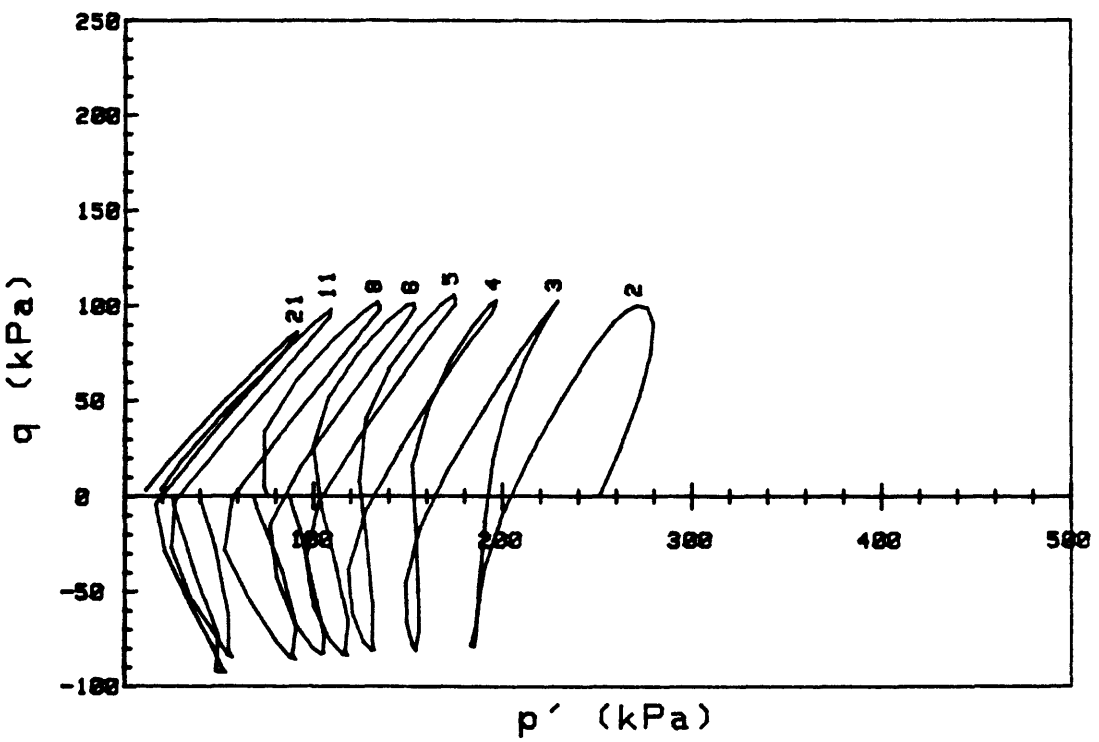


CRUISE	KK1-81-HW	INCREMENT (cm)	54-62
CORE NO.	2G	TEST NO.	TC7
SIG1c'(kPa)	252.8	STATIC qf (kPa)	122.5
SIG3c'(kPa)	252.8	AVG MAX q (kPa)	68.6 (56.0%)
OCR	1.0	AVG MIN q (kPa)	-59.2 (48.3%)

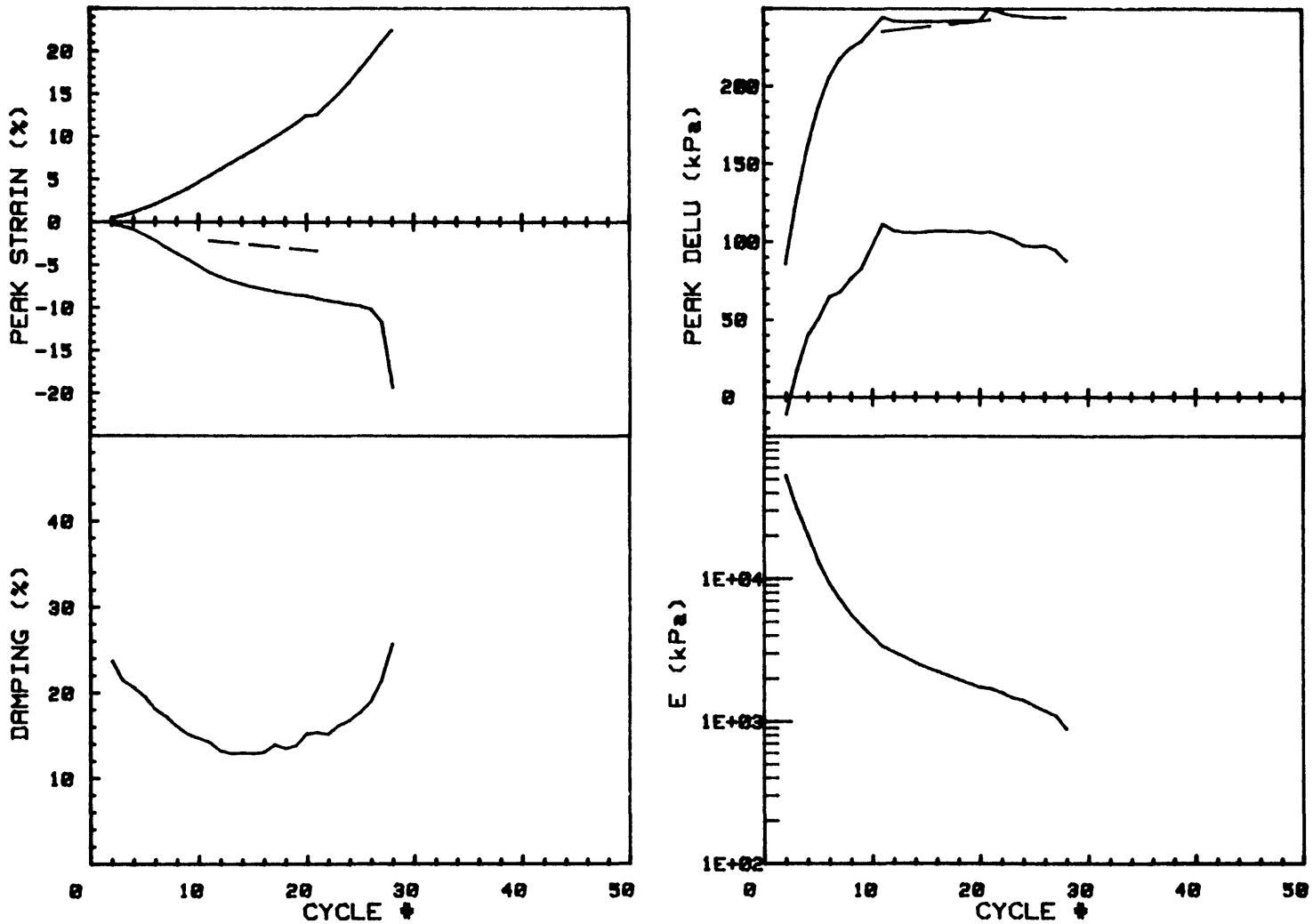


CRUISE	KK1-81-HW	INCREMENT (cm)	54-62
CORE NO.	2G	TEST NO.	TC7
SIG1c'(kPa)	252.8	STATIC qf (kPa)	122.5
SIG3c'(kPa)	252.8	AVG MAX q (kPa)	68.6 (56.0%)
OCR	1.0	AVG MIN q (kPa)	-59.2 (48.3%)

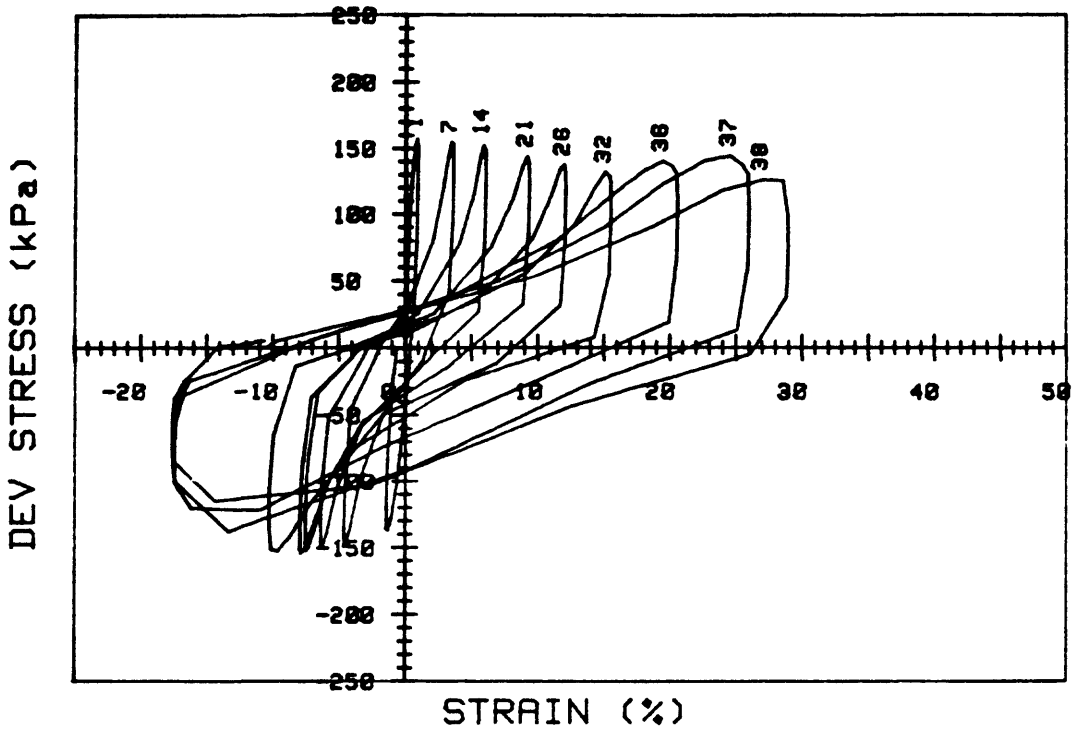


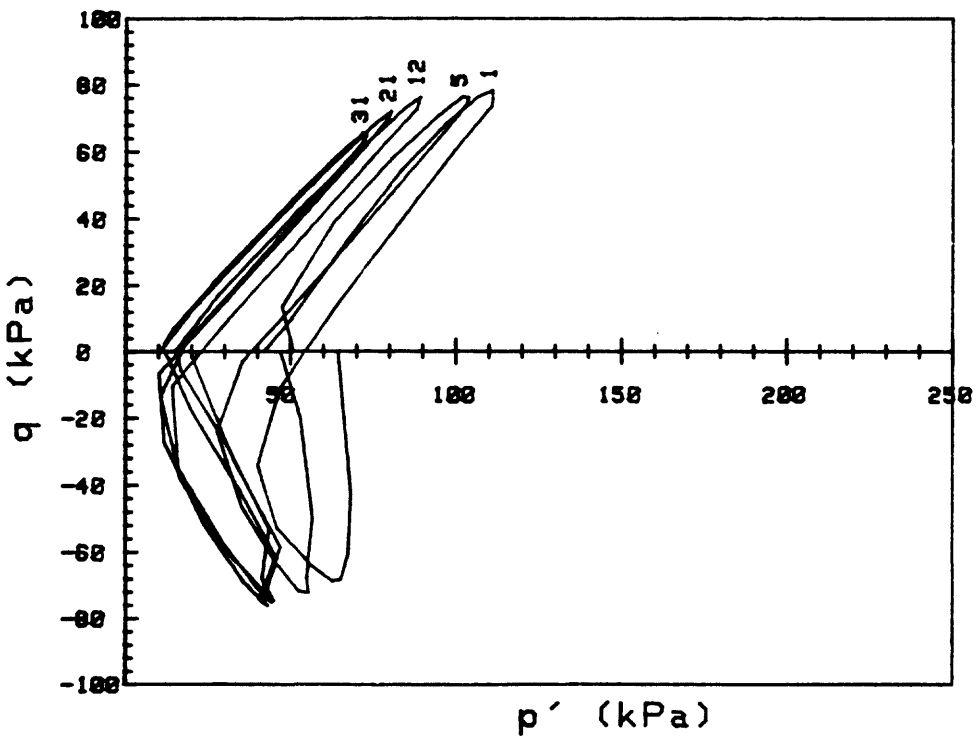


CRUISE KK1-81-HW		INCREMENT (cm)	65-73
CORE NO.	2G	TEST NO.	TC6
SIG1c´(kPa)	252.8	STATIC qf (kPa)	122.5
SIG3c´(kPa)	252.8	AVG MAX q (kPa)	90.0 (73.5%)
INDUCED OCR	1.0	AVG MIN q (kPa)	-84.9 (69.3%)

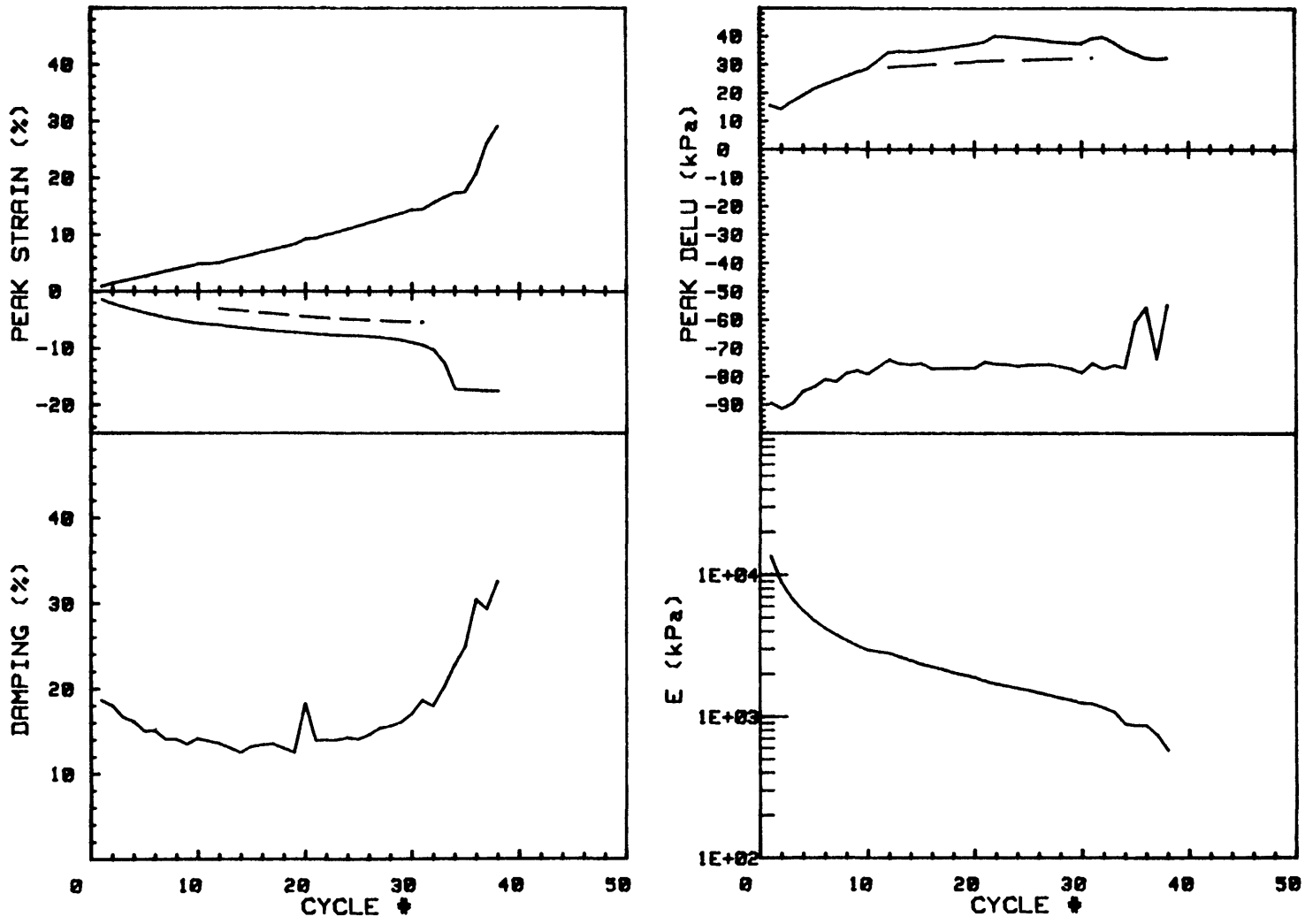


CRUISE	KK1-81-HW	INCREMENT (cm)	65-73
CORE NO.	2G	TEST NO.	TC6
SIG1c'(kPa)	252.8	STATIC qf (kPa)	122.5
SIG3c'(kPa)	252.8	AVG MAX q (kPa)	90.0 (73.5%)
INDUCED OCR	1.0	AVG MIN q (kPa)	-84.9 (69.3%)

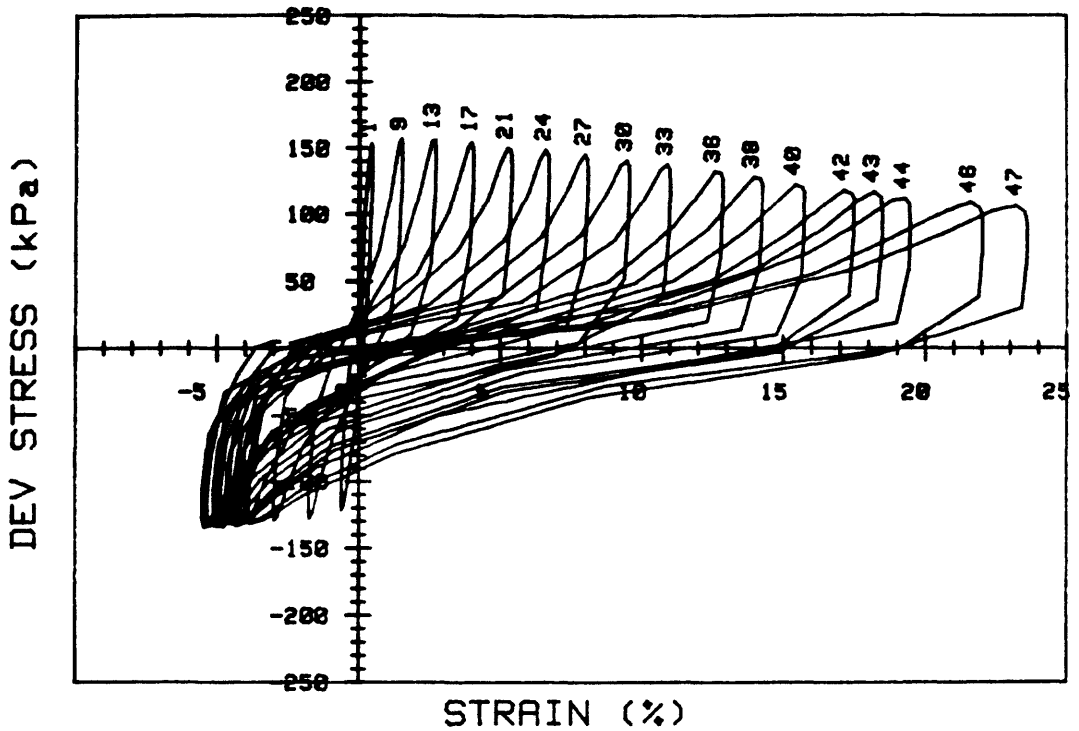


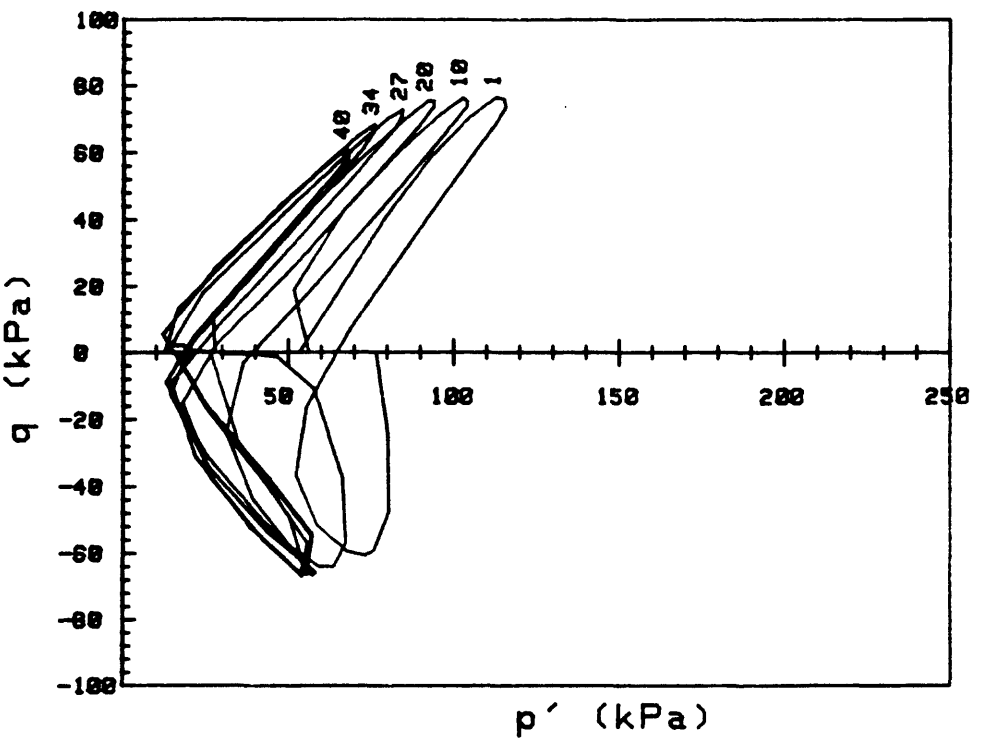


CRUISE	KK1-81-HW	INCREMENT (cm)	141-149
CORE NO.	2G	TEST NO.	TC8
SIG1c´(kPa)	44.1	STATIC qf (kPa)	112.9
SIG3c´(kPa)	44.1	AVG MAX q (kPa)	70.4 (62.4%)
OCR	6.0	AVG MIN q (kPa)	-72.2 (64.0%)

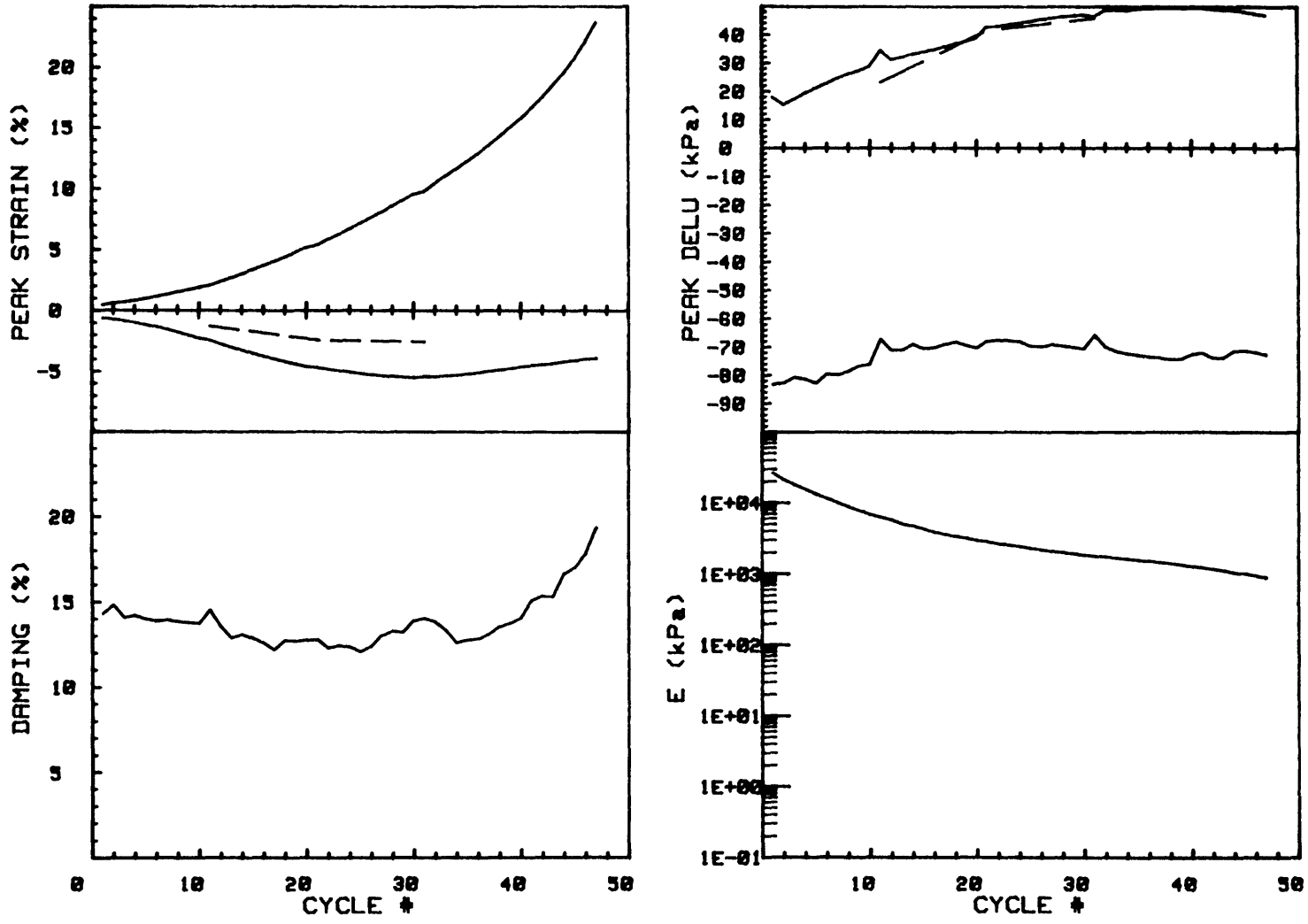


CRUISE	KK1-81-HW	INCREMENT (cm)	141-149
CORE NO.	2G	TEST NO.	TC8
SIG1c'(kPa)	44.1	STATIC qf (kPa)	112.9
SIG3c'(kPa)	44.1	AVG MAX q (kPa)	70.4 (62.4%)
OCR	6.0	AVG MIN q (kPa)	-72.2 (64.0%)

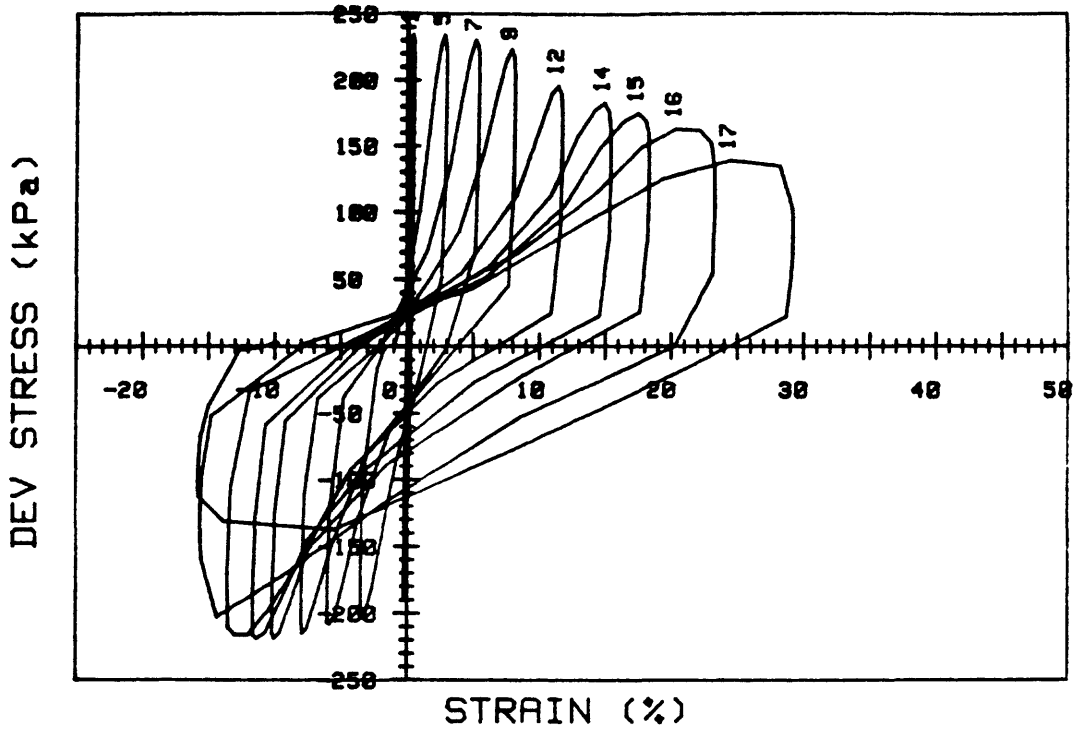


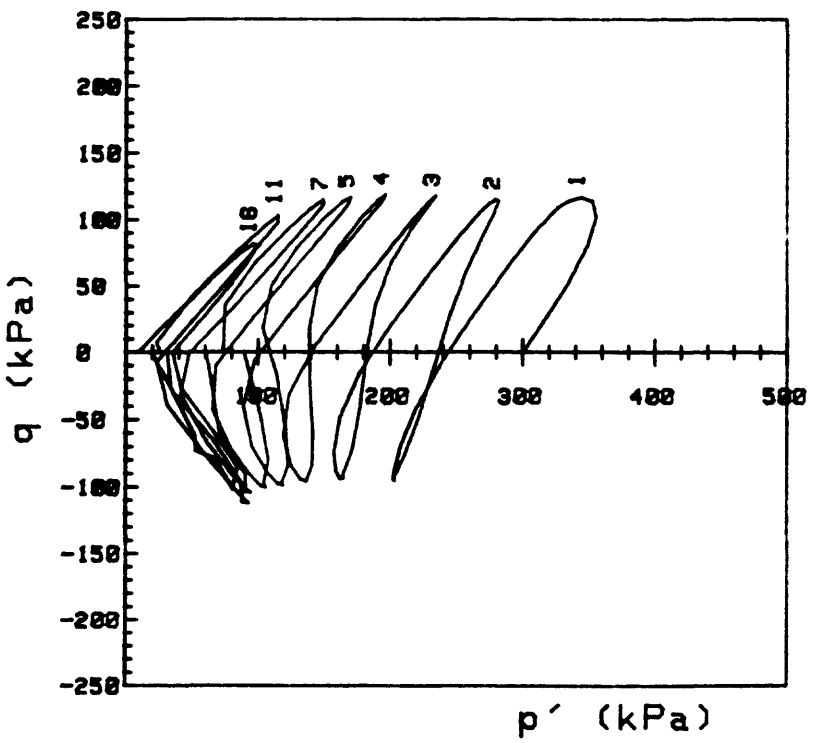


CRUISE KK1-81-WG		INCREMENT (cm)	112-120
CORE NO. 6G		TEST NO.	TC12
SIG1c′(kPa)	52.0	STATIC qf (kPa)	102.4
SIG3c′(kPa)	52.0	AVG MAX q (kPa)	70.9 (69.2%)
INDUCED OCR	6.1	AVG MIN q (kPa)	-65.2 (63.7%)

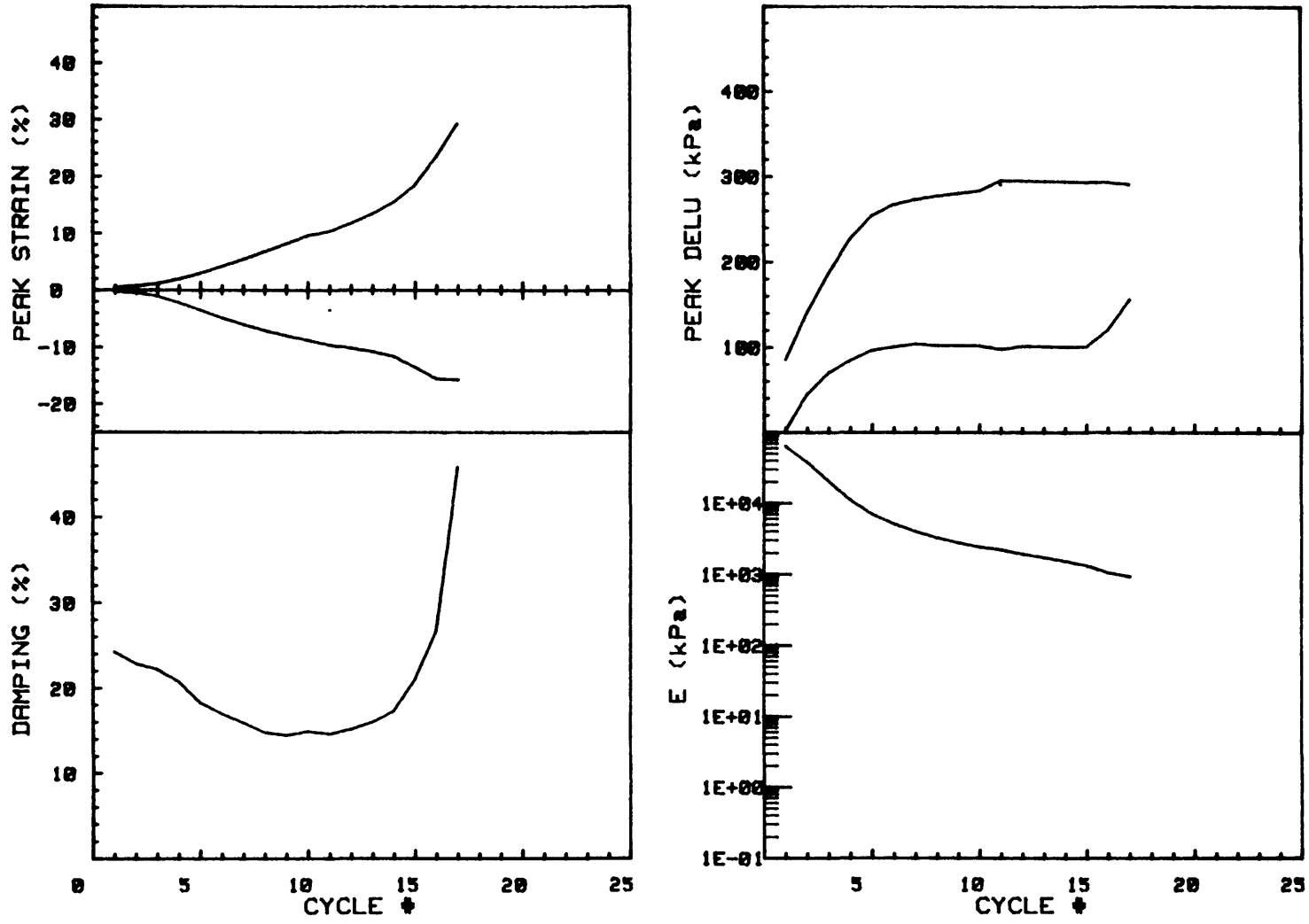


CRUISE KK1-81-WG		INCREMENT (cm)	112-120
CORE NO. 6G		TEST NO.	TC12
SIG1c'(kPa)	52.0	STATIC qf (kPa)	102.4
SIG3c'(kPa)	52.0	AVG MAX q (kPa)	70.9 (69.2%)
INDUCED OCR	6.1	AVG MIN q (kPa)	-65.2 (63.7%)

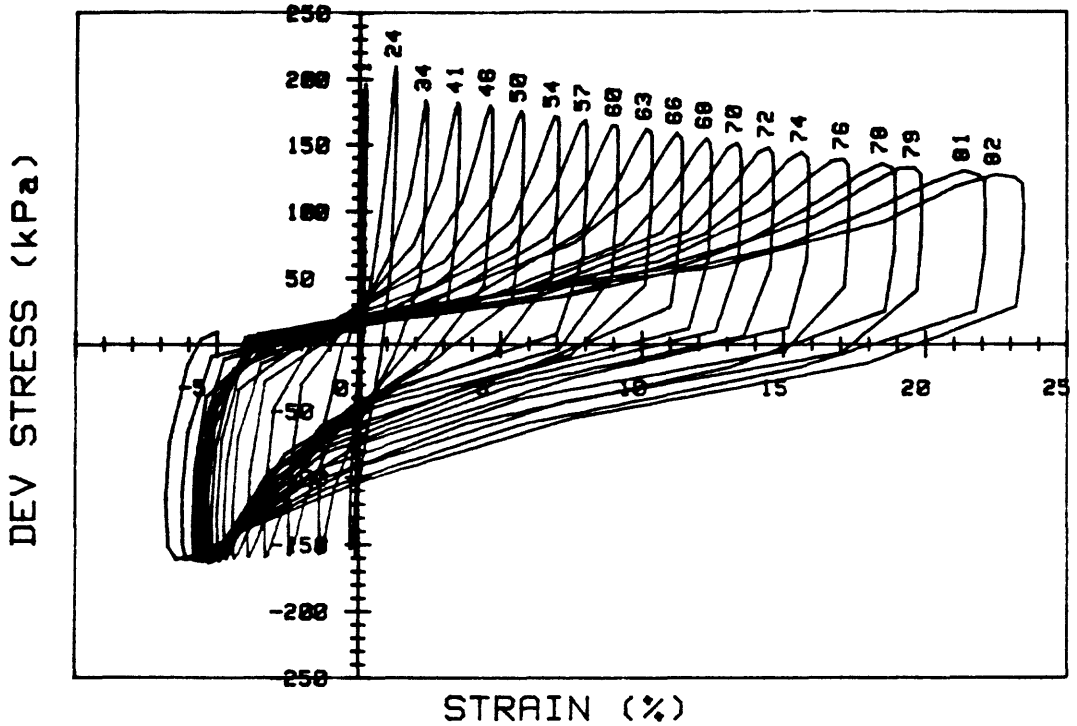


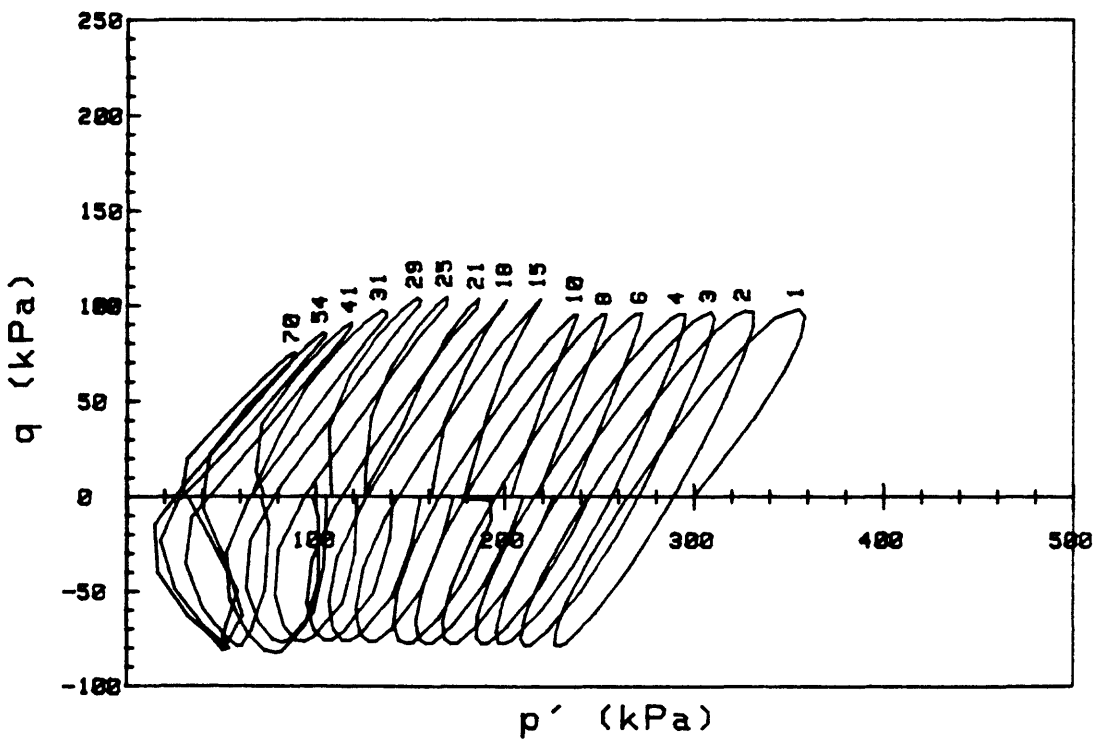


CRUISE KK1-81-HW		INCREMENT (cm)	122-130
CORE NO. 6G		TEST NO.	TC11
SIG1c´(kPa)	302.7	STATIC qf (kPa)	122.1
SIG3c´(kPa)	302.7	AVG MAX q (kPa)	104.7 (85.7%)
INDUCED OCR	1.0	AVG MIN q (kPa)	-102.0 (83.5%)

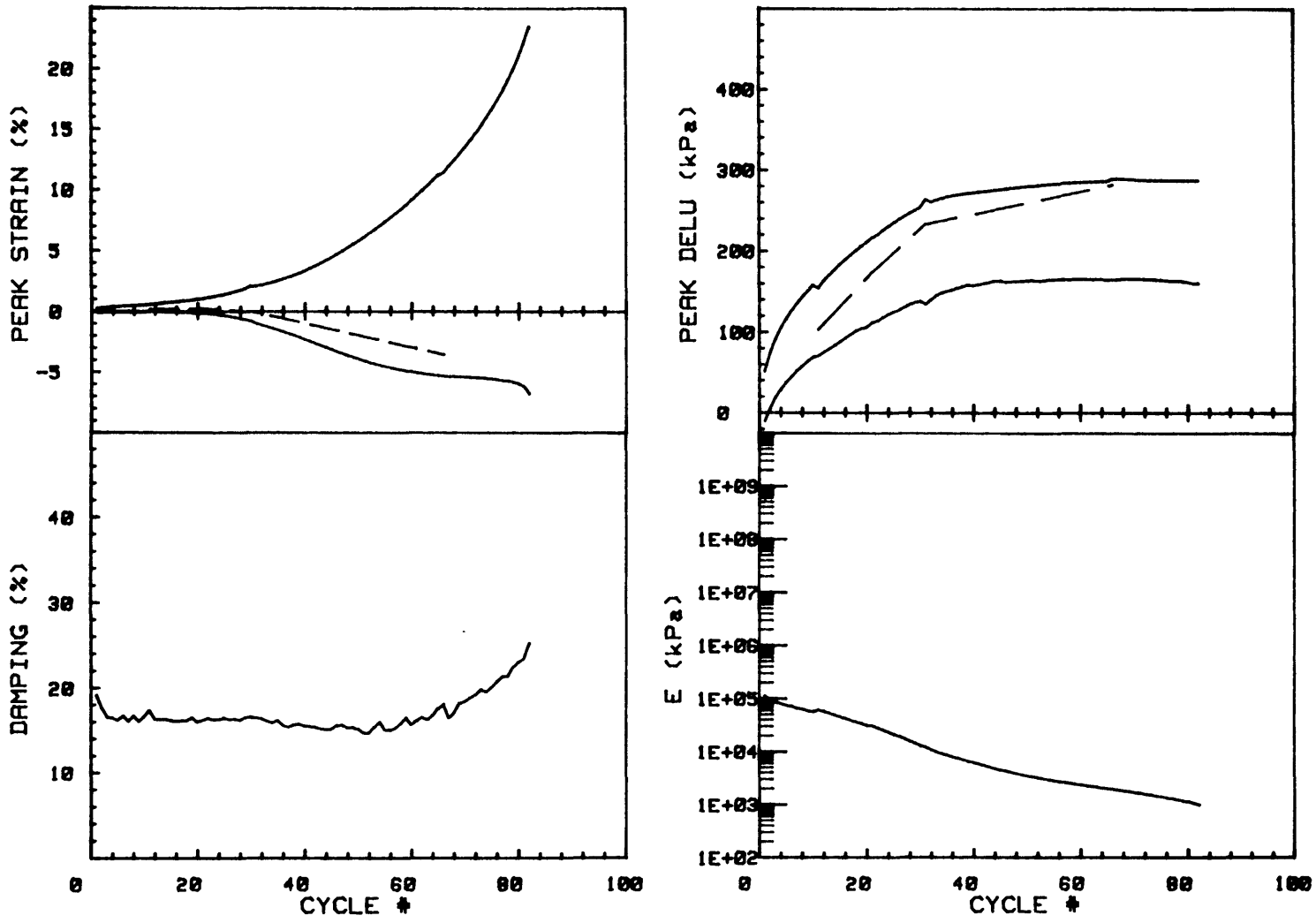


CRUISE KK1-81-HW		INCREMENT (cm)	122-130
CORE NO. 6G		TEST NO.	TC11
SIG1c'(kPa)	302.7	STATIC qf (kPa)	122.1
SIG3c'(kPa)	302.7	AVG MAX q (kPa)	104.7 (85.7%)
INDUCED OCR	1.0	AVG MIN q (kPa)	-102.0 (83.5%)

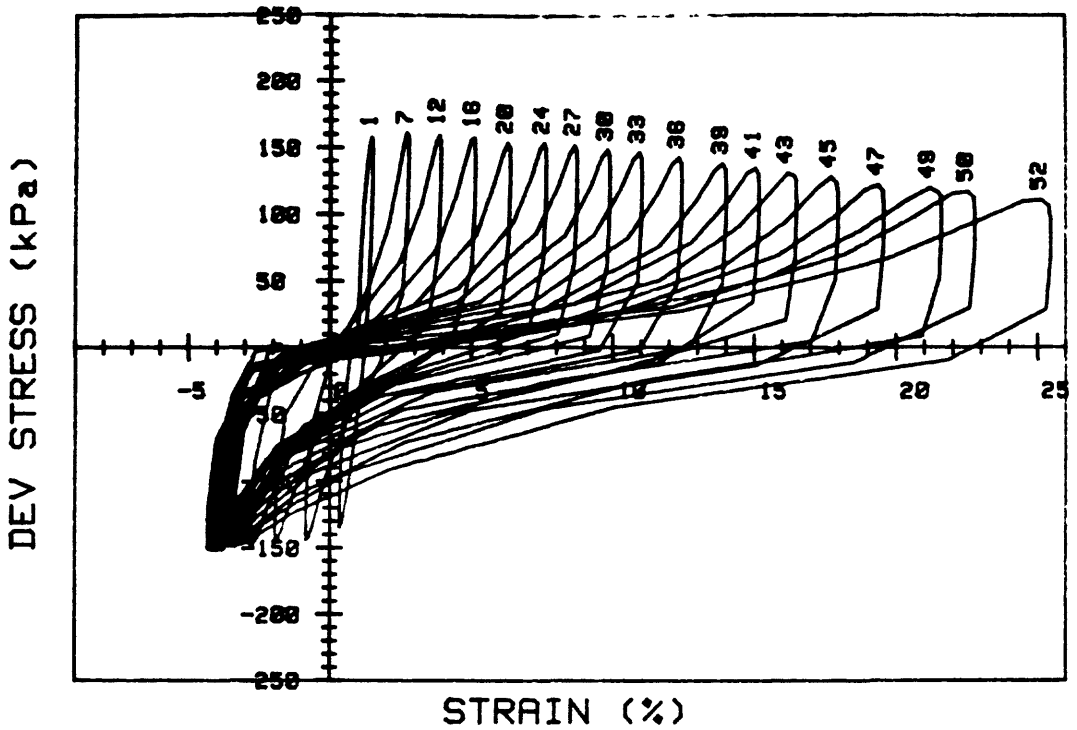


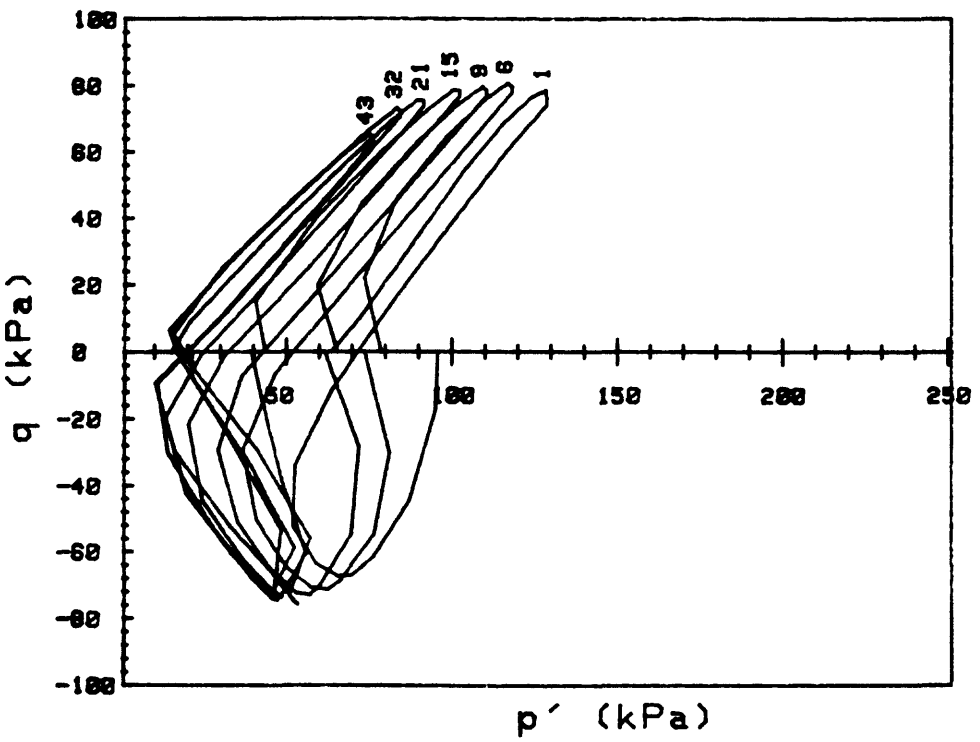


CRUISE	KK1-81-HW	INCREMENT (cm)	144-152
CORE NO.	6G	TEST NO.	TC10
SIG1c´(kPa)	298.4	STATIC qf (kPa)	122.1
SIG3c´(kPa)	298.4	AVG MAX q (kPa)	89.2 (73.1%)
OCR	1.0	AVG MIN q (kPa)	-79.0 (64.7%)

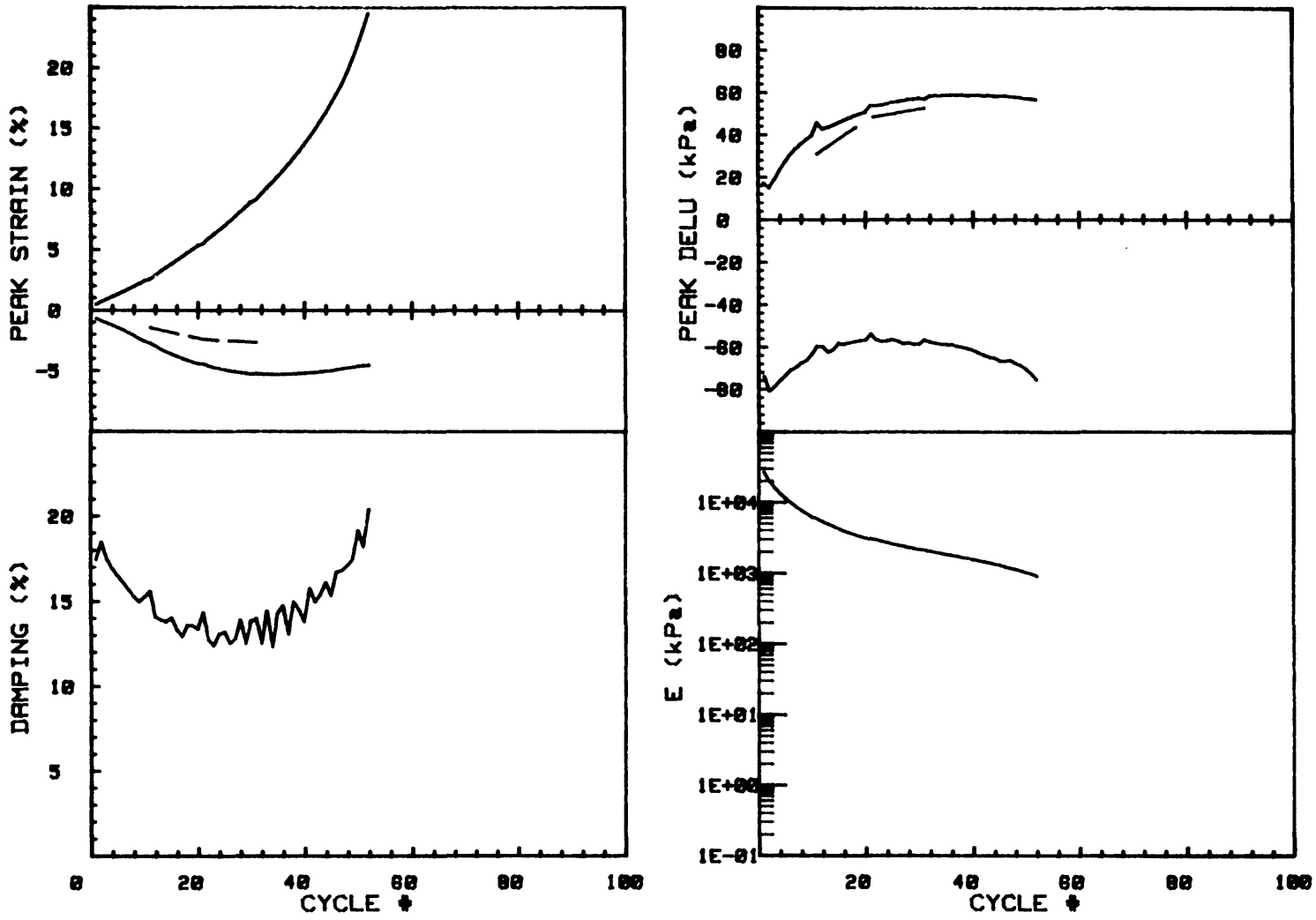


CRUISE	KK1-81-HW	INCREMENT (cm)	144-152
CORE NO.	6G	TEST NO.	TC10
SIG1c'(kPa)	298.4	STATIC qf (kPa)	122.1
SIG3c'(kPa)	298.4	AVG MAX q (kPa)	89.2 (73.1%)
OCR	1.0	AVG MIN q (kPa)	-79.0 (64.7%)

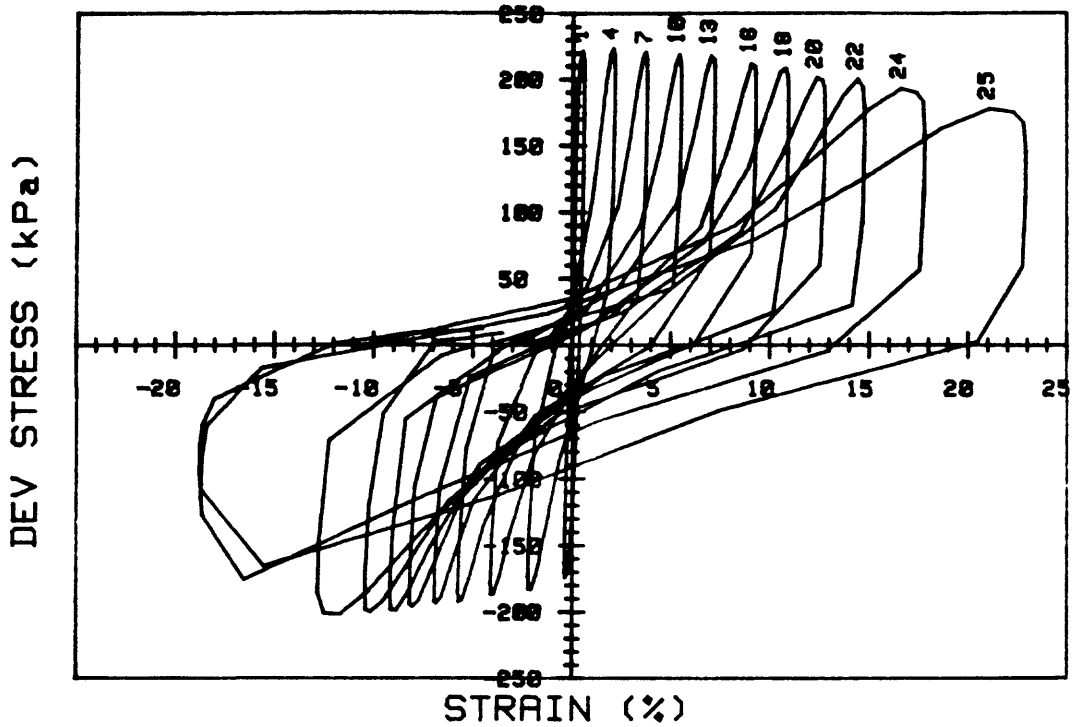


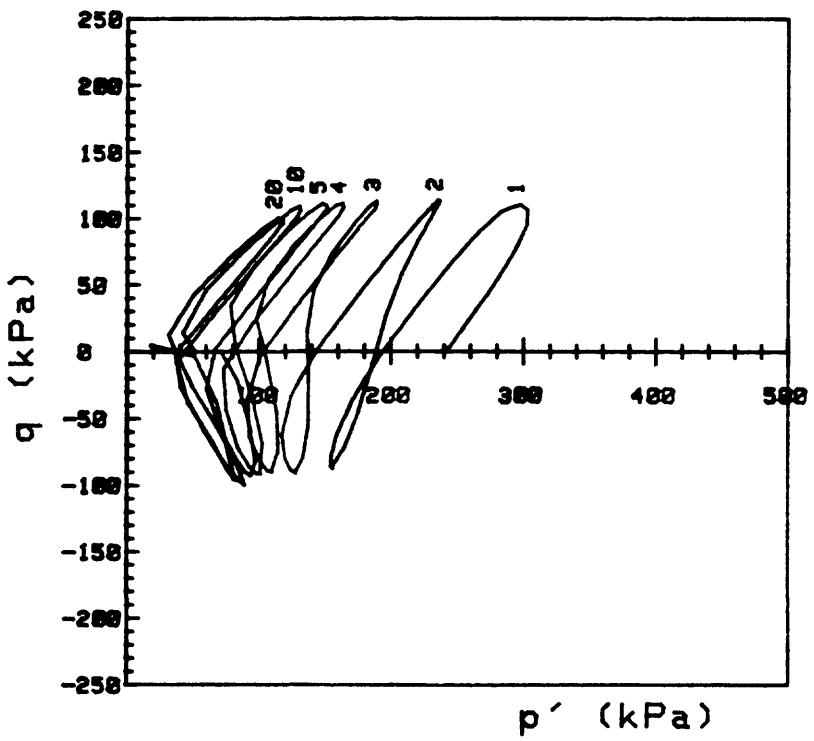


CRUISE KK1-81-HW		INCREMENT (cm)	192-200
CORE NO. 8G		TEST NO.	TC17
SIG1c´(kPa)	63.3	STATIC qf (kPa)	154.8
SIG3c´(kPa)	63.3	AVG MAX q (kPa)	73.3 (47.4%)
INDUCED OCR	6.0	AVG MIN q (kPa)	-73.9 (47.7%)

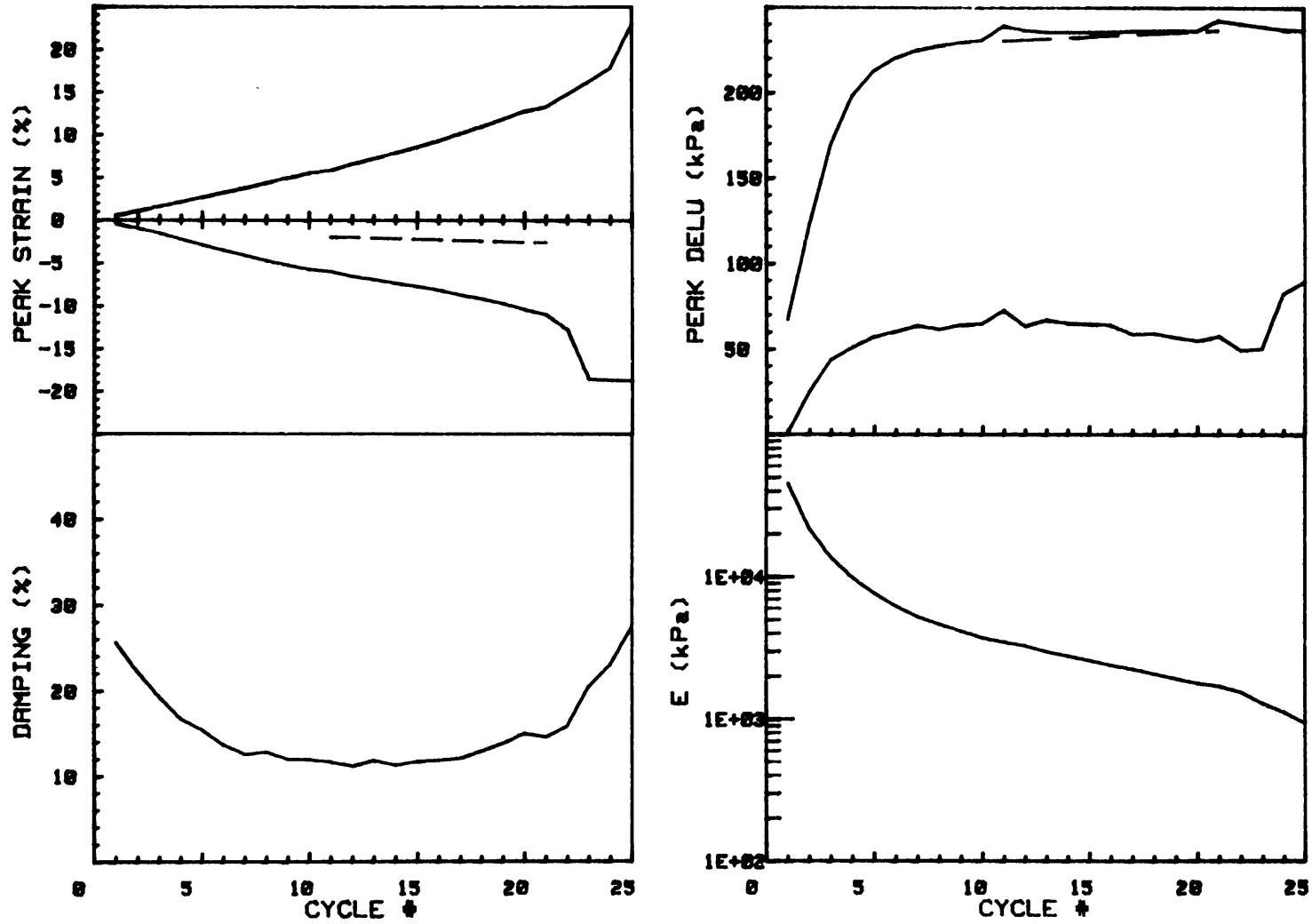


CRUISE KK1-81-HW		INCREMENT (cm)	192-200
CORE NO. 8G		TEST NO.	TC17
SIG1c'(kPa)	63.3	STATIC qf (kPa)	154.8
SIG3c'(kPa)	63.3	AVG MAX q (kPa)	73.3 (47.4%)
INDUCED OCR	6.0	AVG MIN q (kPa)	-73.9 (47.7%)

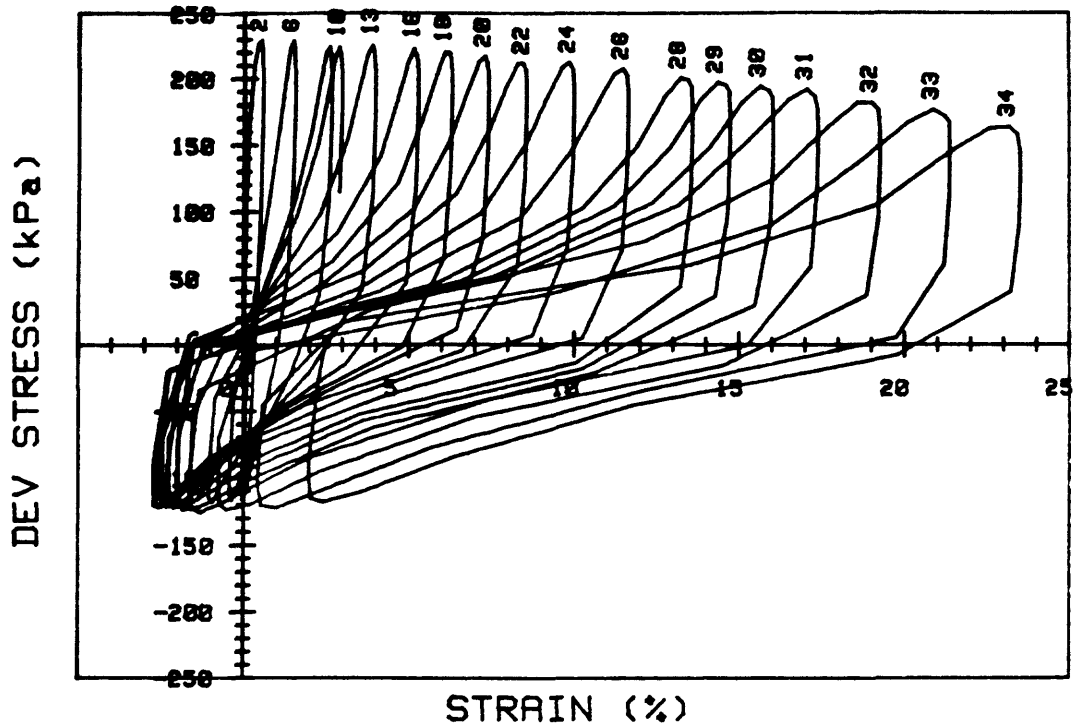


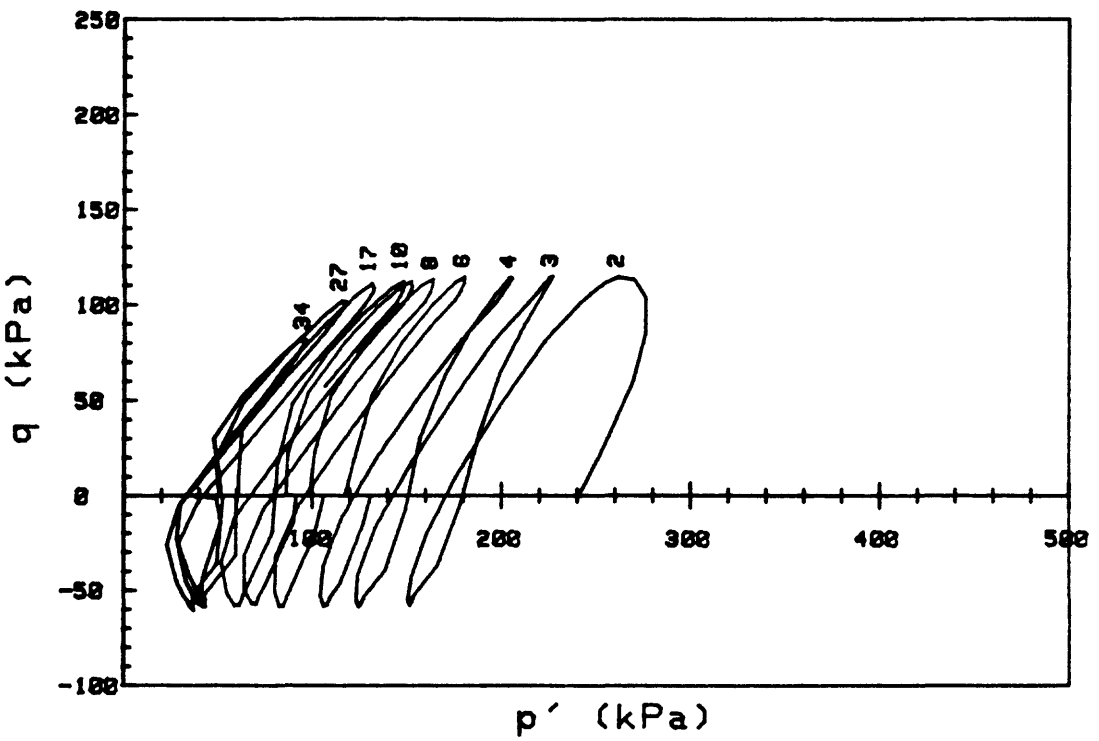


CRUISE	KK1-81-HW	INCREMENT (cm)	238-246
CORE NO.	8G	TEST NO.	TC13R
SIG1c´(kPa)	243.8	STATIC qf (kPa)	130.0
SIG3c´(kPa)	243.8	AVG MAX q (kPa)	106.5 (81.9%)
INDUCED OCR	1.0	AVG MIN q (kPa)	-95.2 (73.2%)

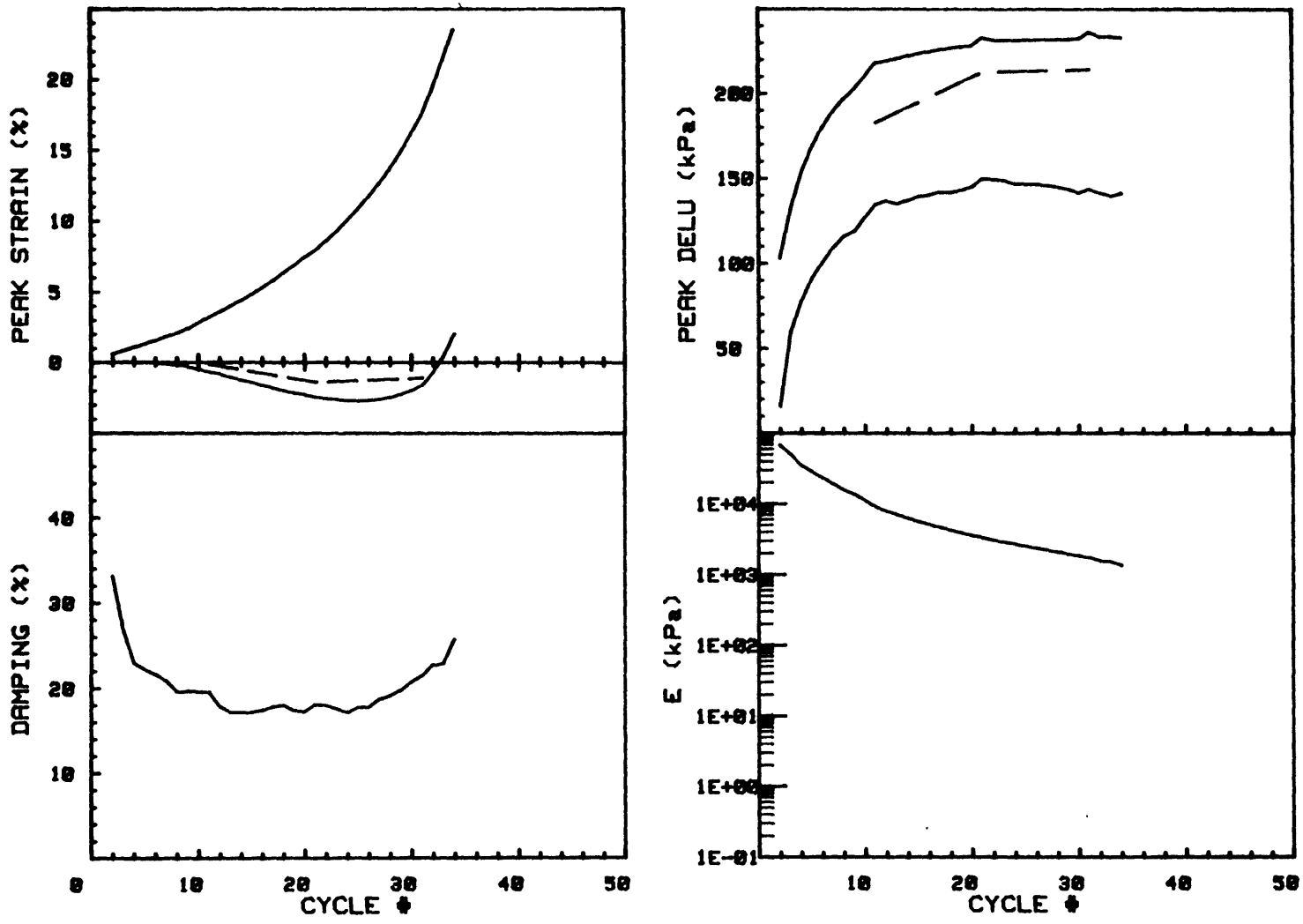


CRUISE	KK1-81-HW	INCREMENT (cm)	238-246
CORE NO.	8G	TEST NO.	TC13R
SIG1c'(kPa)	243.8	STATIC qf (kPa)	130.0
SIG3c'(kPa)	243.8	AVG MAX q (kPa)	106.5 (81.9%)
INDUCED OCR	1.0	AVG MIN q (kPa)	-95.2 (73.2%)





CRUISE KK1-81-HW		INCREMENT (cm)	286-294
CORE NO. 8G		TEST NO.	TC14R
SIG1c′(kPa)	243.2	STATIC qf (kPa)	130.0
SIG3c′(kPa)	243.2	AVG MAX q (kPa)	103.5 (79.6%)
INDUCED OCR	1.0	AVG MIN q (kPa)	-57.6 (44.3%)



CRUISE KK1-81-HW		INCREMENT (cm)	286-294
CORE NO. 8G		TEST NO.	TC14
SIG1c'(kPa)	243.2	STATIC qf (kPa)	130.0
SIG3c'(kPa)	243.2	AVG MAX q (kPa)	103.5 (79.6%)
INDUCED OCR	1.0	AVG MIN q (kPa)	-57.6 (44.3%)

CYCLIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....1G

CORE INCREMENT.....102-110 cm

TEST NUMBER.....TC4

FINAL LATERAL CONSOLIDATION STRESS 356.00 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR.....-1.99 Kg

TRANSDUCER ZERO FACTOR..... 2.00 kPa

LVDT ZERO FACTOR.....-1.99 cm

AVE MAX DEV STRESS..... 223.22 kPa

AVE MIN DEV STRESS.....-185.94 kPa

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
1	226.0	-176.5	.21	-.08	67.7	-23.6	.02	23.3	151261.0	17.5
2	225.7	-176.5	.25	-.07	85.3	-12.2	.04	36.1	132466.0	15.6
3	228.2	-178.8	.29	-.06	97.4	-2.8	.06	47.6	120668.0	15.2
4	227.8	-180.5	.33	-.05	108.4	6.2	.08	58.2	112408.0	15.3
5	229.2	-180.6	.37	-.04	119.4	16.2	.10	69.4	104480.0	15.3
6	231.5	-182.4	.41	-.03	130.3	25.5	.11	80.0	97110.7	15.2
7	230.8	-181.7	.45	-.02	140.7	35.6	.13	90.8	91314.9	15.5
8	231.6	-181.3	.48	-.02	151.4	45.4	.14	101.8	85200.8	15.2
9	230.9	-181.4	.51	-.02	161.5	54.6	.15	111.8	80668.4	15.2
10	228.9	-181.6	.55	-.02	171.3	63.8	.17	129.1	74331.0	15.2
2	99.0	99.0	99.00	99.00	99.0	99.0	.17	124.0	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	.17	124.7	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	.17	125.0	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	.17	125.3	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	.17	125.5	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	.17	125.8	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	.17	126.0	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	.17	126.4	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	.17	126.5	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	.17	126.6	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	.17	127.3	99.0	99.0
21	99.0	99.0	99.00	99.00	99.0	99.0	.17	127.8	99.0	99.0
26	99.0	99.0	99.00	99.00	99.0	99.0	.18	128.4	99.0	99.0
31	99.0	99.0	99.00	99.00	99.0	99.0	.18	128.8	99.0	99.0
11	232.2	-178.4	.57	.01	186.6	83.8	.19	141.2	76312.9	15.6
12	232.0	-178.4	.61	-.00	198.5	91.3	.19	149.6	69506.5	14.9
13	232.1	-178.4	.65	-.01	206.6	98.2	.19	157.2	64367.0	14.8
14	231.3	-178.2	.68	-.02	214.2	105.1	.20	164.4	59493.6	14.7
15	231.2	-177.9	.72	-.03	221.3	111.3	.20	171.6	55623.4	14.9
16	233.1	-180.6	.77	-.06	228.8	115.6	.19	178.8	50753.5	14.7
17	232.9	-180.6	.82	-.09	235.8	121.4	.19	186.6	47175.9	15.2
18	233.8	-180.1	.87	-.11	243.1	127.7	.18	193.8	43102.3	15.1
19	233.8	-179.7	.93	-.14	250.6	134.0	.19	201.6	40336.8	15.3
20	234.0	-180.6	.99	-.19	257.8	139.4	.18	223.4	36554.9	15.5
2	99.0	99.0	99.00	99.00	99.0	99.0	.18	223.2	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	.18	223.1	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	.18	222.9	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	.18	222.8	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	.18	222.3	99.0	99.0
20	99.0	99.0	99.00	99.00	99.0	99.0	.19	222.1	99.0	99.0
30	99.0	99.0	99.00	99.00	99.0	99.0	.19	221.8	99.0	99.0
35	99.0	99.0	99.00	99.00	99.0	99.0	.19	221.9	99.0	99.0
40	99.0	99.0	99.00	99.00	99.0	99.0	.19	222.5	99.0	99.0
45	99.0	99.0	99.00	99.00	99.0	99.0	.19	222.5	99.0	99.0
50	99.0	99.0	99.00	99.00	99.0	99.0	.19	222.4	99.0	99.0
55	99.0	99.0	99.00	99.00	99.0	99.0	.19	222.4	99.0	99.0
60	99.0	99.0	99.00	99.00	99.0	99.0	.19	222.3	99.0	99.0
21	233.7	-177.1	1.04	-.17	269.1	153.1	.18	220.1	34708.7	15.9

22	234.1	-176.8	1.13	-.23	274.8	156.7	.17	226.3	30925.2	15.0
23	236.1	-179.1	1.23	-.31	279.7	158.6	.15	231.3	27581.7	14.9
24	237.6	-180.6	1.35	-.40	284.9	160.7	.12	236.2	24657.1	15.1
25	239.8	-181.2	1.48	-.51	290.1	163.0	.09	241.3	21981.9	15.3
26	240.4	-181.5	1.63	-.64	295.3	166.4	.04	247.0	19418.0	15.3

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
27	240.2	-182.8	1.80	-.80	300.4	169.1	-.03	252.0	16745.2	15.1
28	236.9	-181.6	1.97	-.97	305.0	173.2	-.09	256.4	14625.3	15.1
29	234.1	-181.4	2.17	-1.16	309.2	176.7	-.16	261.6	12814.2	15.0
30	233.0	-182.7	2.38	-1.39	312.8	178.7	-.26	294.1	11304.3	15.1
2	99.0	99.0	99.00	99.00	99.0	99.0	-.22	306.4	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-.22	306.2	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-.22	305.9	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-.22	305.8	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-.22	305.7	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-.21	305.6	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-.21	305.5	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-.21	305.4	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-.21	305.3	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-.21	305.2	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	-.21	305.0	99.0	99.0
21	99.0	99.0	99.00	99.00	99.0	99.0	-.21	304.8	99.0	99.0
26	99.0	99.0	99.00	99.00	99.0	99.0	-.21	304.5	99.0	99.0
31	99.0	99.0	99.00	99.00	99.0	99.0	-.21	304.4	99.0	99.0
36	99.0	99.0	99.00	99.00	99.0	99.0	-.21	304.3	99.0	99.0
41	99.0	99.0	99.00	99.00	99.0	99.0	-.20	304.9	99.0	99.0
46	99.0	99.0	99.00	99.00	99.0	99.0	-.20	304.7	99.0	99.0
51	99.0	99.0	99.00	99.00	99.0	99.0	-.20	304.8	99.0	99.0
56	99.0	99.0	99.00	99.00	99.0	99.0	-.20	304.8	99.0	99.0
61	99.0	99.0	99.00	99.00	99.0	99.0	-.20	304.7	99.0	99.0
31	233.7	-181.4	2.50	-1.56	328.8	193.0	-.37	280.1	10401.0	15.4
32	235.2	-184.2	2.81	-1.87	325.7	188.9	-.53	280.0	9223.5	14.5
33	232.9	-183.8	3.11	-2.16	326.0	190.2	-.62	282.0	8018.4	14.1
34	232.5	-184.8	3.44	-2.48	326.9	190.7	-.87	284.0	7255.9	14.3
35	232.5	-186.6	3.80	-2.83	328.0	191.2	-.97	285.4	6439.3	14.1
36	231.9	-186.7	4.16	-3.17	329.1	193.2	-1.07	288.0	5840.2	13.5
37	230.3	-186.4	4.54	-3.53	330.3	194.0	-1.09	290.1	5291.6	13.3
38	231.0	-188.9	4.96	-3.94	331.2	193.2	-1.08	292.2	4841.8	13.1
39	229.7	-187.6	5.38	-4.30	332.1	195.5	-1.07	294.4	4440.1	13.0
40	226.5	-187.0	5.81	-4.66	333.0	197.3	-1.15	295.7	4067.6	13.1
41	227.7	-190.6	6.30	-5.07	333.8	196.4	-1.13	297.3	3733.3	12.6
42	224.7	-190.9	6.77	-5.44	334.4	198.0	-1.68	295.8	3464.0	13.3
43	222.0	-191.9	7.25	-5.79	335.1	199.1	-1.45	299.6	3247.2	13.0
44	221.2	-192.5	7.77	-6.14	335.6	199.8	-1.34	300.6	3014.1	12.7
45	218.6	-192.9	8.29	-6.45	336.0	201.4	-1.78	301.5	2839.7	13.1
46	215.7	-193.4	8.82	-6.74	336.5	202.9	-2.24	302.2	2680.5	13.8
47	212.8	-193.5	9.39	-7.00	337.0	204.3	-2.18	302.7	2534.8	13.9
48	211.1	-195.8	9.99	-7.30	337.4	203.7	-2.75	303.6	2407.8	14.2
49	209.3	-195.7	10.63	-7.52	337.7	204.8	-2.97	304.1	2286.2	14.5
50	207.0	-196.1	11.30	-7.72	338.0	205.7	-2.91	304.3	2176.2	15.2
51	206.1	-196.2	12.01	-7.89	338.2	206.2	-3.00	304.5	2055.2	14.7
52	204.2	-196.4	12.79	-8.05	338.3	206.4	-2.15	305.6	1957.0	15.0
53	203.0	-196.9	13.65	-8.19	338.3	206.3	-1.47	305.5	1872.0	15.0
54	201.2	-196.5	14.60	-8.27	338.4	206.1	-2.71	304.7	1777.5	15.7
55	197.7	-197.2	15.65	-8.36	338.4	205.0	-3.14	303.7	1677.5	16.5
56	193.3	-197.0	16.80	-8.42	338.3	204.3	-3.89	302.7	1576.2	17.2
57	189.4	-196.4	18.10	-8.48	338.1	202.9	-3.58	302.9	1500.4	18.6
58	183.5	-196.4	19.55	-8.53	338.0	201.1	-3.37	302.4	1402.7	19.9
59	176.8	-196.9	21.14	-8.62	337.9	199.5	-3.21	302.0	1305.4	21.0

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
60	168.9	-196.9	22.79	-8.79	338.0	198.7	-2.69	331.9	1204.3	22.5

CYCLIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....1G

CORE INCREMENT.....112-120 cm

TEST NUMBER.....TC3

FINAL LATERAL CONSOLIDATION STRESS 354.78 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR..... .64 Kg

TRANSDUCER ZERO FACTOR.....-1.20 kPa

LVDT ZERO FACTOR..... 0.00 cm

AVE MAX DEV STRESS..... 269.83 kPa

AVE MIN DEV STRESS.....-228.82 kPa

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
1	323.1	-258.1	1.11	-.77	167.8	-1.2	-.27	128.7	34538.0	29.5
2	312.2	-254.6	2.21	-1.91	246.1	66.2	-.88	191.9	15442.1	25.3
3	298.6	-252.9	3.44	-3.36	288.2	91.9	-1.52	226.8	8440.4	20.9
4	292.3	-254.3	4.79	-4.92	309.2	107.7	-2.44	241.5	5814.0	19.1
5	286.9	-255.5	6.15	-6.35	319.9	121.2	-3.10	254.8	4462.6	17.8
6	280.3	-257.0	7.51	-7.56	326.2	132.4	-3.93	264.4	3653.4	17.1
7	273.1	-258.8	8.88	-8.55	330.4	141.9	-4.44	271.7	3113.8	16.7
8	265.6	-259.7	10.28	-9.35	333.2	150.1	-5.58	277.7	2762.1	16.8
9	258.2	-260.7	11.76	-10.06	335.1	155.6	-6.10	282.0	2498.8	17.7
10	251.1	59.6	13.33	2.91	336.3	316.4	13.15	321.2	1885.4	16.0
2	99.0	99.0	99.00	99.00	99.0	99.0	20.83	339.5	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	20.83	339.2	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	20.85	339.3	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	20.86	339.2	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	20.86	338.9	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	20.86	338.6	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	20.86	338.5	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	20.86	338.3	99.0	99.0
15	99.0	99.0	99.00	99.00	99.0	99.0	20.88	338.7	99.0	99.0
23	99.0	99.0	99.00	99.00	99.0	99.0	20.94	339.9	99.0	99.0
28	99.0	99.0	99.00	99.00	99.0	99.0	20.96	340.0	99.0	99.0
33	99.0	99.0	99.00	99.00	99.0	99.0	20.96	340.0	99.0	99.0
38	99.0	99.0	99.00	99.00	99.0	99.0	20.96	340.0	99.0	99.0
11	252.7	-257.4	14.07	-11.06	346.8	171.1	-4.53	302.7	2075.9	18.0
12	252.2	-267.1	16.61	-11.92	342.5	163.9	-5.05	295.1	1895.5	18.5
13	253.5	-283.5	20.07	-15.70	340.7	150.5	-7.74	286.8	1610.4	21.7
14	242.8	-165.0	24.94	-9.65	339.5	148.9	-14.94	289.1	-28020.4	-657.4
15	204.7	-207.2	27.37	-20.18	340.5	212.1	-12.62	325.2	990.2	32.5

CYCLIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....1G

CORE INCREMENT.....180-188 cm

TEST NUMBER.....TC9

FINAL LATERAL CONSOLIDATION STRESS 58.28 kPa

INDUCED OCR..... 6.00

LOAD ZERO FACTOR.....-.21 Kg

TRANSDUCER ZERO FACTOR.....-1.10 kPa

LVDT ZERO FACTOR.....-2.00 cm

AVE MAX DEV STRESS..... 134.49 kPa

AVE MIN DEV STRESS.....-118.66 kPa

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
1	130.4	-113.3	.38	-.45	16.6	-63.1	-.13	-17.0	30631.6	14.5
2	133.0	-115.9	.46	-.51	13.0	-65.6	-.14	-16.8	26480.4	14.2
3	132.3	-117.5	.51	-.57	13.8	-66.1	-.15	-15.1	23824.1	13.7
4	135.5	-117.4	.57	-.60	15.1	-65.8	-.16	-14.3	22077.4	13.4
5	133.5	-116.1	.61	-.64	16.2	-63.6	-.17	-11.9	20489.5	13.2
6	134.3	-116.1	.65	-.67	17.6	-62.8	-.16	-10.9	19123.8	12.8
7	133.0	-116.2	.69	-.70	18.6	-61.8	-.18	-9.6	18323.8	12.9
8	134.1	-116.1	.72	-.74	19.8	-61.0	-.17	-7.9	17327.0	12.6
9	133.8	-115.9	.76	-.76	20.8	-60.3	-.18	-7.2	16648.1	12.7
10	133.0	-115.9	.79	-.80	21.6	-59.3	-.34	6.1	15931.6	13.1
2	99.0	99.0	99.00	99.00	99.0	99.0	-.30	11.3	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-.30	10.9	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-.30	10.7	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-.30	10.6	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-.29	10.8	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-.29	10.7	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-.29	10.6	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-.29	10.4	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-.29	10.4	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-.29	10.3	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	-.29	9.9	99.0	99.0
21	99.0	99.0	99.00	99.00	99.0	99.0	-.29	9.9	99.0	99.0
26	99.0	99.0	99.00	99.00	99.0	99.0	-.29	9.8	99.0	99.0
31	99.0	99.0	99.00	99.00	99.0	99.0	-.29	9.9	99.0	99.0
36	99.0	99.0	99.00	99.00	99.0	99.0	-.29	10.1	99.0	99.0
41	99.0	99.0	99.00	99.00	99.0	99.0	-.28	10.5	99.0	99.0
46	99.0	99.0	99.00	99.00	99.0	99.0	-.28	10.6	99.0	99.0
51	99.0	99.0	99.00	99.00	99.0	99.0	-.28	10.5	99.0	99.0
56	99.0	99.0	99.00	99.00	99.0	99.0	-.27	10.9	99.0	99.0
61	99.0	99.0	99.00	99.00	99.0	99.0	-.27	10.8	99.0	99.0
11	141.1	-105.9	.83	-.74	28.4	-49.7	-.18	-4.3	15928.8	13.9
12	147.9	-111.0	.91	-.80	24.2	-54.6	-.20	-5.0	15381.7	12.6
13	147.3	-111.2	.97	-.83	24.5	-54.3	-.21	-4.3	14584.1	12.2
14	152.6	-116.7	1.04	-.90	25.6	-58.5	-.23	-4.1	14045.9	11.9
15	153.4	-116.6	1.09	-.94	26.1	-57.9	-.23	-2.6	13482.6	12.0
16	153.7	-116.3	1.15	-.98	26.9	-57.0	-.21	-1.6	12862.1	12.1
17	153.8	-116.3	1.19	-1.02	27.6	-56.3	-.21	-1.0	12311.1	12.0
18	153.7	-116.1	1.24	-1.05	28.3	-55.7	-.22	.1	11963.5	11.9
19	155.4	-118.3	1.30	-1.10	29.4	-57.1	-.27	.3	11555.6	11.6
20	154.5	-118.0	1.35	-1.15	30.1	-56.1	-.34	22.0	11039.9	11.8
2	99.0	99.0	99.00	99.00	99.0	99.0	-.32	25.5	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-.32	25.1	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-.32	24.8	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-.32	24.6	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-.32	24.4	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-.32	24.3	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-.31	24.3	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-.32	24.2	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-.31	24.2	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-.31	24.1	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	-.31	24.0	99.0	99.0
21	99.0	99.0	99.00	99.00	99.0	99.0	-.31	23.9	99.0	99.0
26	99.0	99.0	99.00	99.00	99.0	99.0	-.31	24.0	99.0	99.0

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
31	99.0	99.0	99.00	99.00	99.0	99.0	-.31	23.8	99.0	99.0
36	99.0	99.0	99.00	99.00	99.0	99.0	-.31	23.8	99.0	99.0
43	99.0	99.0	99.00	99.00	99.0	99.0	-.31	23.8	99.0	99.0
48	99.0	99.0	99.00	99.00	99.0	99.0	-.31	23.7	99.0	99.0
53	99.0	99.0	99.00	99.00	99.0	99.0	-.31	23.7	99.0	99.0
58	99.0	99.0	99.00	99.00	99.0	99.0	-.31	23.6	99.0	99.0
63	99.0	99.0	99.00	99.00	99.0	99.0	-.31	23.6	99.0	99.0
21	153.9	-114.0	1.35	-1.12	38.4	-49.9	-.27	3.6	11054.3	13.1
22	155.2	-115.6	1.41	-1.17	32.4	-51.9	-.30	3.3	10595.6	11.6
23	155.8	-116.2	1.47	-1.21	32.5	-51.9	-.31	4.1	10216.4	11.2
24	155.9	-117.0	1.52	-1.26	33.0	-52.1	-.28	5.0	9952.0	11.5
25	156.7	-117.0	1.57	-1.30	33.5	-51.4	-.25	5.7	9655.0	11.6
26	157.0	-116.8	1.61	-1.34	33.9	-51.3	-.26	6.3	9455.7	11.6
27	157.0	-116.9	1.66	-1.37	34.7	-50.9	-.31	6.8	9176.0	11.4
28	156.0	-116.6	1.70	-1.41	35.4	-49.9	-.37	7.5	8877.7	11.2
29	155.4	-116.6	1.74	-1.44	35.9	-49.2	-.41	8.2	8624.7	11.0
30	154.7	-116.2	1.78	-1.48	36.4	-48.4	-.36	30.7	8368.8	11.6
1	99.0	99.0	99.00	99.00	99.0	99.0	-.33	35.4	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-.33	34.8	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-.33	34.5	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-.33	34.4	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-.33	34.2	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-.33	34.1	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-.33	34.1	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-.33	34.0	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-.33	34.0	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-.33	33.9	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	-.33	33.8	99.0	99.0
21	99.0	99.0	99.00	99.00	99.0	99.0	-.33	33.7	99.0	99.0
26	99.0	99.0	99.00	99.00	99.0	99.0	-.33	33.6	99.0	99.0
31	99.0	99.0	99.00	99.00	99.0	99.0	-.33	33.6	99.0	99.0
36	99.0	99.0	99.00	99.00	99.0	99.0	-.33	33.5	99.0	99.0
41	99.0	99.0	99.00	99.00	99.0	99.0	-.33	33.4	99.0	99.0
46	99.0	99.0	99.00	99.00	99.0	99.0	-.33	33.3	99.0	99.0
57	99.0	99.0	99.00	99.00	99.0	99.0	-.33	33.3	99.0	99.0
66	99.0	99.0	99.00	99.00	99.0	99.0	-.33	33.1	99.0	99.0
128	99.0	99.0	99.00	99.00	99.0	99.0	-.33	32.8	99.0	99.0
31	149.9	-124.3	1.74	-1.52	44.1	-52.1	-.33	10.5	8572.0	12.5
32	143.5	-118.1	1.77	-1.53	37.7	-47.8	-.42	10.6	7989.2	11.9
33	139.7	-117.4	1.79	-1.57	37.8	-46.4	-.44	11.6	7703.8	12.0
34	139.9	-117.8	1.82	-1.60	38.1	-46.6	-.34	12.1	7580.9	12.1
35	140.0	-117.9	1.85	-1.63	38.4	-46.3	-.39	12.7	7488.1	11.7
36	138.7	-117.5	1.87	-1.67	39.0	-45.0	-.47	13.0	7280.6	11.7
37	139.1	-117.3	1.90	-1.70	39.4	-44.9	-.35	14.1	7180.4	12.0
38	139.2	-117.5	1.93	-1.72	39.5	-44.8	-.41	14.2	7101.5	11.6
39	138.0	-117.4	1.95	-1.76	40.1	-43.7	-.51	14.8	6920.2	11.7
40	138.5	-117.3	1.98	-1.79	40.3	-43.7	-.38	15.2	6838.2	11.9
41	138.4	-117.5	2.00	-1.81	40.5	-43.6	-.46	15.5	6724.7	11.5
42	136.9	-117.3	2.03	-1.84	41.0	-42.7	-.49	16.0	6587.4	11.6
43	137.8	-117.0	2.06	-1.87	41.2	-42.6	-.40	16.6	6523.4	11.8
44	138.0	-117.3	2.08	-1.90	41.5	-42.3	-.51	16.8	6462.7	11.5
45	137.4	-116.9	2.11	-1.93	41.8	-41.6	-.52	17.3	6350.2	11.7
46	138.7	-117.1	2.14	-1.96	41.8	-41.8	-.43	17.6	6275.1	11.8

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
47	138.6	-117.2	2.17	-1.98	42.2	-41.4	-.52	18.0	6210.1	11.5
48	137.4	-117.1	2.20	-2.01	42.4	-40.9	-.56	18.1	6100.3	11.8
49	138.7	-116.9	2.22	-2.04	42.4	-40.8	-.46	18.8	6062.6	11.8
50	137.5	-117.0	2.25	-2.06	42.8	-40.2	-.63	18.9	5936.6	11.5
51	137.7	-118.1	2.28	-2.10	43.1	-40.8	-.64	19.1	5862.9	11.5
52	139.2	-118.2	2.31	-2.13	43.0	-41.0	-.48	19.7	5825.0	11.8
53	138.9	-118.1	2.34	-2.15	43.3	-40.5	-.56	19.8	5764.3	11.6
54	137.8	-118.0	2.37	-2.18	43.5	-40.0	-.66	20.0	5641.3	11.6
55	138.9	-117.9	2.40	-2.21	43.6	-40.1	-.50	20.5	5600.7	12.0
56	138.4	-118.1	2.43	-2.23	43.8	-39.7	-.58	20.9	5543.7	11.6
57	137.4	-117.9	2.46	-2.26	44.0	-39.3	-.70	20.8	5429.4	11.6
58	138.7	-118.0	2.49	-2.29	44.0	-39.4	-.51	21.3	5399.4	11.9
59	138.2	-117.9	2.52	-2.31	44.4	-38.8	-.63	21.8	5313.5	11.6
60	137.5	-117.8	2.55	-2.34	44.4	-38.5	-.64	21.9	5259.6	11.7
61	138.1	-117.9	2.58	-2.36	44.6	-38.6	-.54	22.4	5197.2	12.0
62	137.2	-117.7	2.61	-2.39	44.9	-37.8	-.80	22.3	5119.1	11.7
63	138.1	-117.8	2.64	-2.41	44.8	-38.1	-.56	22.8	5081.3	12.1
64	137.4	-117.8	2.67	-2.44	45.1	-37.0	-.82	22.9	5026.4	11.8
65	136.8	-117.9	2.70	-2.46	45.3	-37.3	-1.12	38.1	4968.4	12.3
2	99.0	99.0	99.00	99.00	99.0	99.0	-1.08	43.2	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-1.07	42.9	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-1.08	42.7	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-1.07	42.6	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-1.08	42.5	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-1.08	42.3	99.0	99.0
17	99.0	99.0	99.00	99.00	99.0	99.0	-1.08	42.3	99.0	99.0
27	99.0	99.0	99.00	99.00	99.0	99.0	-1.08	42.1	99.0	99.0
36	99.0	99.0	99.00	99.00	99.0	99.0	-1.08	42.0	99.0	99.0
41	99.0	99.0	99.00	99.00	99.0	99.0	-1.08	41.9	99.0	99.0
47	99.0	99.0	99.00	99.00	99.0	99.0	-1.08	41.9	99.0	99.0
52	99.0	99.0	99.00	99.00	99.0	99.0	-1.07	41.9	99.0	99.0
66	133.3	-117.0	2.62	-2.41	50.3	-34.1	-1.01	26.7	5010.4	13.0
67	136.6	-117.9	2.70	-2.46	46.8	-36.0	-.72	24.3	4970.2	12.3
68	137.1	-117.9	2.74	-2.49	45.9	-36.1	-.64	24.3	4890.9	12.2
69	136.5	-117.8	2.78	-2.52	45.8	-35.9	-.85	24.1	4835.7	12.0
70	137.4	-118.1	2.81	-2.55	45.8	-36.1	-.60	24.6	4778.5	12.3
71	136.1	-118.0	2.85	-2.58	46.1	-35.7	-.99	24.3	4702.6	12.0
72	137.2	-118.0	2.88	-2.60	46.1	-35.8	-.71	24.7	4676.0	12.5
73	137.2	-118.5	2.92	-2.63	46.3	-35.7	-.65	25.7	4621.6	12.1
74	136.2	-118.4	2.95	-2.66	46.4	-35.4	-1.03	25.0	4560.2	11.9
75	136.8	-118.2	2.98	-2.68	46.4	-35.3	-.74	25.3	4524.9	12.6
76	136.5	-118.5	3.02	-2.70	46.7	-35.2	-.64	26.3	4491.8	12.3
77	135.5	-118.2	3.05	-2.73	46.8	-34.9	-1.09	25.7	4409.1	11.9
78	136.7	-118.2	3.09	-2.75	46.7	-35.0	-.73	26.1	4387.7	12.6
79	136.5	-118.4	3.12	-2.77	47.0	-34.6	-.71	26.9	4358.5	12.2
80	135.5	-118.1	3.15	-2.81	47.1	-35.1	-1.04	26.8	4270.3	11.7
81	136.4	-118.1	3.19	-2.83	47.0	-35.2	-.57	27.2	4247.4	12.3
82	136.2	-118.4	3.22	-2.85	47.3	-34.8	-.70	27.8	4201.5	11.6
83	135.3	-118.1	3.26	-2.88	47.3	-34.8	-1.08	27.4	4144.9	11.7
84	136.1	-118.2	3.29	-2.90	47.4	-34.8	-.58	27.7	4124.7	12.4
85	135.8	-118.2	3.33	-2.92	47.6	-34.2	-.71	28.4	4096.3	11.8
86	135.1	-118.1	3.37	-2.94	47.6	-34.2	-1.09	28.0	4045.2	11.7
87	136.9	-119.4	3.41	-2.97	47.6	-35.4	-.54	28.8	4057.2	12.3

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
88	136.5	-119.1	3.45	-3.00	47.8	-34.7	-1.26	28.3	3987.9	11.5
89	136.7	-119.1	3.48	-3.02	47.7	-35.1	-.60	28.8	3951.7	11.7
90	136.6	-119.4	3.52	-3.04	47.9	-34.8	-.69	29.3	3932.1	11.8
91	135.4	-119.1	3.56	-3.07	48.0	-34.6	-1.30	28.7	3858.9	11.9
92	136.3	-119.0	3.60	-3.09	47.9	-34.7	-.58	29.5	3837.4	12.5
93	135.1	-119.4	3.63	-3.11	48.2	-34.5	-1.39	29.3	3790.2	12.2
94	136.3	-119.1	3.67	-3.13	48.0	-34.6	-.60	29.7	3770.6	12.5
95	135.2	-119.1	3.71	-3.15	48.3	-34.1	-1.42	29.7	3723.0	12.0
96	136.1	-119.0	3.75	-3.17	48.3	-34.4	-.68	29.8	3700.5	12.0
97	135.4	-119.1	3.79	-3.19	48.5	-33.9	-1.37	30.1	3661.7	12.2
98	135.8	-119.1	3.83	-3.22	48.4	-34.1	-.68	30.2	3633.6	12.0
99	135.3	-119.1	3.88	-3.23	48.7	-33.6	-.99	30.6	3588.1	12.1
100	135.2	-119.1	3.91	-3.26	48.6	-34.0	-1.56	42.8	3564.3	12.2
1	99.0	99.0	99.00	99.00	99.0	99.0	-1.51	48.2	99.0	99.0
2	99.0	99.0	99.00	99.00	99.0	99.0	-1.51	48.1	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-1.51	48.0	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-1.51	47.9	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-1.51	47.9	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-1.51	47.8	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-1.51	47.8	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-1.51	47.8	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-1.51	47.8	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-1.51	47.8	99.0	99.0
15	99.0	99.0	99.00	99.00	99.0	99.0	-1.51	47.7	99.0	99.0
20	99.0	99.0	99.00	99.00	99.0	99.0	-1.51	47.6	99.0	99.0
25	99.0	99.0	99.00	99.00	99.0	99.0	-1.51	47.5	99.0	99.0
101	131.7	-117.2	3.81	-3.19	52.6	-31.1	-.70	36.0	3571.5	13.1
102	135.8	-119.8	3.92	-3.26	50.8	-34.2	-.53	34.2	3584.7	11.8
103	135.9	-119.9	3.98	-3.29	49.9	-34.2	-.92	32.7	3539.5	11.9
104	136.5	-120.1	4.04	-3.32	49.5	-34.3	-1.58	32.3	3503.7	12.8
105	137.3	-120.3	4.09	-3.34	49.3	-34.4	-.57	32.9	3496.7	12.4
106	136.3	-119.9	4.14	-3.37	49.4	-34.3	-1.20	31.8	3435.1	11.8
107	135.6	-119.2	4.18	-3.39	49.4	-33.5	-1.23	32.1	3386.6	12.8
108	136.4	-119.1	4.23	-3.41	49.4	-33.9	-.71	32.3	3360.7	11.7
109	135.1	-119.0	4.28	-3.43	49.5	-33.6	-1.42	32.1	3309.8	12.6
110	135.5	-119.1	4.33	-3.45	49.5	-33.1	-.96	32.4	3300.0	12.8
111	135.3	-119.2	4.37	-3.47	49.6	-33.6	-.65	32.5	3261.3	11.7
112	134.3	-119.2	4.42	-3.49	49.7	-33.4	-1.40	32.4	3216.8	12.6
113	134.9	-119.2	4.47	-3.51	49.7	-33.0	-1.12	32.6	3207.9	13.0
114	135.0	-119.4	4.51	-3.53	49.8	-33.5	-.48	33.4	3198.9	11.9
115	134.2	-119.2	4.56	-3.55	49.9	-33.4	-.90	32.7	3143.6	12.0
116	134.2	-119.4	4.61	-3.57	49.9	-33.4	-1.63	32.9	3115.2	13.1
117	134.9	-119.6	4.66	-3.58	49.8	-33.2	-.86	33.2	3112.8	13.0
118	134.1	-119.3	4.71	-3.61	50.0	-33.2	-.58	33.5	3065.3	12.0
119	133.1	-119.1	4.76	-3.62	50.1	-33.2	-1.51	32.9	3020.1	12.7
120	134.1	-119.3	4.81	-3.63	50.0	-32.6	-1.17	33.1	3022.9	13.4
121	134.7	-119.2	4.86	-3.65	50.1	-32.8	-.44	34.2	2995.9	12.0
122	132.8	-119.2	4.91	-3.67	50.2	-32.8	-1.04	33.2	2957.9	12.5
123	133.1	-119.2	4.96	-3.68	50.2	-32.7	-1.84	33.5	2932.1	13.6
124	133.7	-119.2	5.02	-3.69	50.1	-32.1	-1.16	33.6	2926.4	13.3
125	133.2	-119.4	5.07	-3.71	50.3	-32.6	-.58	34.0	2910.8	12.3
126	132.1	-119.2	5.12	-3.73	50.4	-32.5	-1.28	33.6	2848.7	12.9
127	132.6	-119.2	5.17	-3.74	50.4	-32.6	-1.71	33.8	2835.3	14.0

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
128	132.9	-119.2	5.23	-3.76	50.4	-32.4	-1.89	34.0	2820.8	14.0
129	132.9	-119.3	5.28	-3.77	50.4	-32.3	-1.99	34.1	2802.0	13.8
130	132.5	-119.1	5.34	-3.78	50.5	-31.7	-1.10	34.0	2782.8	13.3
131	132.2	-119.2	5.39	-3.80	50.6	-32.2	-.66	34.4	2748.4	12.3
132	130.9	-119.1	5.45	-3.81	50.7	-32.2	-.60	34.3	2717.4	12.8
133	130.4	-119.1	5.50	-3.83	50.7	-32.1	-.61	34.6	2681.3	13.0
134	130.4	-119.0	5.56	-3.84	50.7	-32.0	-.77	34.8	2661.2	13.3
135	130.4	-119.1	5.62	-3.85	50.8	-32.0	-1.18	34.3	2643.3	13.7
136	130.5	-118.9	5.68	-3.86	50.8	-31.7	-1.61	34.4	2625.6	14.2
137	130.9	-119.3	5.74	-3.88	50.8	-32.1	-1.75	34.5	2613.6	14.4
138	130.7	-119.3	5.80	-3.89	50.8	-31.9	-1.97	34.6	2594.8	14.3
139	130.7	-119.2	5.86	-3.90	50.7	-31.7	-2.10	34.9	2577.0	14.1
140	130.5	-119.0	5.92	-3.91	50.8	-31.7	-2.02	34.9	2553.9	13.9
141	130.0	-119.1	5.99	-3.92	50.8	-31.7	-1.95	34.9	2532.3	13.8
142	129.9	-118.9	6.05	-3.93	50.9	-31.6	-2.01	34.8	2510.3	13.3
143	129.4	-118.6	6.11	-3.93	50.8	-31.5	-1.89	34.7	2483.5	14.3
144	128.8	-118.8	6.18	-3.95	50.9	-31.7	-1.30	34.8	2457.4	14.4
145	128.6	-118.5	6.25	-3.95	51.0	-31.5	-1.84	35.1	2435.2	14.4
146	131.7	-121.5	6.33	-4.00	50.9	-33.7	-1.51	34.8	2461.6	14.3
147	128.7	-119.2	6.39	-3.98	51.0	-32.1	-1.88	35.2	2401.6	14.5
148	128.6	-119.4	6.46	-4.00	51.0	-32.3	-1.53	35.2	2384.9	14.5
149	128.4	-119.4	6.53	-4.00	51.0	-32.4	-.75	35.3	2362.8	14.3
150	127.5	-119.5	6.60	-4.01	51.1	-32.5	-.69	35.4	2336.1	13.8
151	127.2	-119.4	6.67	-4.02	51.1	-32.3	-.84	35.3	2315.9	13.9
152	127.1	-119.4	6.75	-4.03	51.1	-32.5	-.70	35.0	2295.6	13.9
153	126.5	-119.2	6.82	-4.03	51.2	-32.3	-.54	35.4	2271.8	13.8
154	126.2	-119.3	6.90	-4.04	51.2	-32.4	-.42	35.4	2251.9	13.7
155	127.0	-120.5	6.99	-4.06	51.2	-33.1	-.72	34.8	2247.4	13.6
156	126.7	-120.7	7.08	-4.07	51.2	-33.5	-.56	35.1	2228.6	13.9
157	126.3	-120.7	7.16	-4.07	51.1	-33.4	-.49	35.1	2207.3	13.8
158	126.4	-121.0	7.25	-4.08	51.2	-33.6	-.75	34.9	2192.9	13.8
159	126.0	-120.9	7.33	-4.08	51.1	-33.4	-.78	35.0	2172.8	14.1
160	125.6	-121.1	7.42	-4.08	51.2	-33.5	-.68	34.6	2151.9	14.2
161	125.4	-121.1	7.51	-4.09	51.2	-33.6	-.49	34.8	2134.0	14.1
162	124.7	-121.1	7.60	-4.09	51.2	-33.7	-.69	34.4	2109.9	14.0
163	124.8	-121.0	7.68	-4.09	51.1	-33.6	-.44	34.7	2095.2	14.2
164	124.8	-121.0	7.78	-4.09	51.1	-33.6	-.51	34.6	2077.7	14.0
165	124.3	-121.1	7.88	-4.09	51.1	-33.6	-.55	34.6	2057.0	14.3
166	124.4	-121.2	7.98	-4.09	51.1	-33.7	-.51	34.5	2042.5	14.4
167	123.8	-121.1	8.07	-4.09	51.0	-33.7	-1.04	34.0	2022.8	14.7
168	123.7	-120.8	8.16	-4.09	51.0	-33.5	-1.56	33.8	2006.6	15.0
169	123.7	-121.1	8.27	-4.09	50.9	-33.7	-.65	34.1	1991.5	15.0
170	122.8	-121.1	8.37	-4.09	50.9	-33.8	-1.06	33.6	1967.3	14.8
171	123.0	-121.1	8.47	-4.09	51.0	-33.9	-1.18	33.7	1953.1	15.2
172	122.6	-121.2	8.58	-4.08	50.9	-33.9	-1.70	33.6	1936.7	15.4
173	122.4	-121.0	8.68	-4.08	50.8	-33.8	-.58	33.9	1917.9	15.2
174	121.8	-121.4	8.80	-4.07	50.9	-33.9	-1.05	33.5	1898.3	15.0
175	121.5	-121.2	8.91	-4.07	50.8	-33.8	-1.58	33.1	1881.4	15.6
176	121.6	-121.2	9.02	-4.06	50.7	-33.9	-1.91	33.0	1868.6	15.6
177	121.5	-121.3	9.14	-4.06	50.7	-34.0	-1.43	33.0	1851.7	15.5
178	120.4	-121.3	9.26	-4.05	50.7	-34.0	-1.92	32.8	1829.1	15.8
179	120.8	-121.4	9.38	-4.04	50.7	-34.0	-2.14	32.6	1819.8	15.7
180	120.3	-121.4	9.50	-4.03	50.7	-33.7	-2.22	32.3	1802.8	15.5

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
181	119.9	-121.6	9.63	-4.02	50.7	-33.9	-2.12	32.2	1785.1	15.6
182	119.5	-121.5	9.75	-4.00	50.6	-33.8	-1.76	32.3	1767.5	15.5
183	118.7	-121.9	9.88	-3.99	50.6	-33.8	-1.36	32.1	1751.4	14.8
184	118.5	-121.6	10.02	-3.98	50.6	-33.8	-1.92	31.6	1733.2	14.9
185	118.5	-121.4	10.16	-3.95	50.6	-33.4	-1.04	31.9	1717.2	14.9
186	117.8	-121.5	10.30	-3.94	50.5	-33.5	-.68	31.7	1700.9	14.8
187	117.4	-121.7	10.44	-3.93	50.5	-33.7	-.06	31.8	1686.8	14.8
188	116.5	-121.9	10.59	-3.91	50.5	-34.0	-.32	31.5	1666.9	15.0
189	116.0	-121.8	10.74	-3.90	50.5	-35.0	.58	31.7	1652.0	14.8
190	115.1	-122.0	10.89	-3.88	50.5	-35.0	-1.88	44.2	1635.5	15.9

CYCLIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....2G

CORE INCREMENT.....54-62 cm

TEST NUMBER.....TC7

FINAL LATERAL CONSOLIDATION STRESS 252.78 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR..... .48 Kg

TRANSDUCER ZERO FACTOR..... 2.20 kPa

LVDT ZERO FACTOR.....-1.65 cm

AVE MAX DEV STRESS..... 137.18 kPa

AVE MIN DEV STRESS.....-118.45 kPa

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
1	148.1	-114.5	.17	-.08	45.4	-13.2	-.00	14.4	112678.0	17.1
2	148.4	-114.5	.19	-.07	55.9	-4.3	.01	22.4	105260.0	17.2
3	150.8	-117.1	.22	-.06	64.0	2.3	.02	29.4	99198.9	17.3
4	151.0	-116.9	.24	-.06	70.5	9.2	.02	35.8	94210.0	17.4
5	150.7	-117.4	.25	-.05	76.7	14.5	.03	41.2	90634.5	17.4
6	150.5	-117.1	.26	-.05	81.9	19.8	.04	46.2	87974.4	17.5
7	150.4	-117.3	.28	-.04	86.8	24.3	.04	50.6	86391.4	17.6
8	151.2	-116.7	.29	-.04	90.9	28.5	.05	55.2	82801.6	17.5
9	150.9	-117.1	.30	-.04	95.3	32.5	.05	59.2	80499.9	17.5
10	151.0	-117.2	.31	-.04	99.4	35.7	.05	62.1	77962.7	17.4
2	99.0	99.0	99.00	99.00	99.0	99.0	.05	61.5	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	.05	61.5	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	.05	61.6	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	.05	61.6	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	.05	61.6	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	.05	61.9	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	.05	61.9	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	.05	62.1	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	.05	63.0	99.0	99.0
15	99.0	99.0	99.00	99.00	99.0	99.0	.06	64.2	99.0	99.0
25	99.0	99.0	99.00	99.00	99.0	99.0	.06	65.0	99.0	99.0
30	99.0	99.0	99.00	99.00	99.0	99.0	.06	65.2	99.0	99.0
40	99.0	99.0	99.00	99.00	99.0	99.0	.07	67.4	99.0	99.0
45	99.0	99.0	99.00	99.00	99.0	99.0	.07	68.4	99.0	99.0
11	152.2	-113.7	.32	-.02	108.7	48.0	.07	73.6	79237.5	-190.0
12	157.3	-118.1	.35	-.03	113.6	49.2	.07	76.6	72717.7	16.8
13	157.1	-118.3	.37	-.03	116.8	52.5	.07	79.9	71109.3	17.3
14	155.8	-118.3	.38	-.03	120.2	55.3	.08	83.1	67173.3	16.8
15	157.1	-118.1	.39	-.03	123.1	57.8	.08	86.5	65643.7	16.8
16	156.0	-118.2	.41	-.03	125.9	60.4	.08	88.5	63353.2	16.8
17	156.5	-118.1	.42	-.03	128.6	62.8	.09	91.3	63514.4	17.3
18	156.0	-118.2	.43	-.03	130.9	65.4	.09	93.9	59985.5	16.8
19	157.0	-118.1	.44	-.03	133.5	67.5	.09	96.3	60040.4	17.1
20	156.1	-118.2	.45	-.03	136.1	69.9	.09	100.2	57127.3	16.9
2	99.0	99.0	99.00	99.00	99.0	99.0	.09	100.1	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	.09	99.9	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	.09	99.8	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	.09	99.7	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	.09	100.5	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	.10	101.0	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	.10	103.3	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	.10	103.2	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	.11	103.2	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	.11	103.2	99.0	99.0
18	99.0	99.0	99.00	99.00	99.0	99.0	.11	105.1	99.0	99.0
24	99.0	99.0	99.00	99.00	99.0	99.0	.11	105.1	99.0	99.0
29	99.0	99.0	99.00	99.00	99.0	99.0	.11	105.0	99.0	99.0
44	99.0	99.0	99.00	99.00	99.0	99.0	.11	105.2	99.0	99.0
57	99.0	99.0	99.00	99.00	99.0	99.0	.12	105.3	99.0	99.0
21	158.7	-115.1	.45	-.03	142.7	77.3	.10	105.3	59100.2	-332.6
22	163.1	-118.9	.48	-.04	145.2	77.0	.09	106.8	55952.3	16.9

23	162.0	-118.0	.50	-.04	147.0	79.5	.10	109.4	53398.3	16.9
24	161.2	-117.9	.51	-.05	149.4	82.2	.10	111.7	51309.7	16.8

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
25	160.7	-117.8	.53	-.05	151.3	84.2	.10	113.8	49951.4	16.9
26	161.3	-117.8	.54	-.05	153.3	86.2	.10	116.3	48175.8	16.9
27	162.3	-117.7	.55	-.06	155.2	87.8	.11	118.3	46545.0	16.5
28	161.8	-117.7	.57	-.06	157.3	89.2	.10	119.4	45875.4	16.9
29	161.3	-117.8	.58	-.06	159.6	90.9	.10	121.5	44413.7	16.9
30	160.5	-117.7	.60	-.07	161.3	92.9	.10	128.3	42701.8	17.1
2	99.0	99.0	99.00	99.00	99.0	99.0	.10	127.3	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	.11	127.8	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	.11	127.6	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	.11	127.5	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	.11	127.4	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	.11	127.3	99.0	99.0
29	99.0	99.0	99.00	99.00	99.0	99.0	.11	127.1	99.0	99.0
39	99.0	99.0	99.00	99.00	99.0	99.0	.11	127.0	99.0	99.0
31	160.4	-117.4	.59	-.07	165.5	97.1	.09	126.7	43490.2	-375.4
32	162.5	-117.5	.62	-.08	166.6	98.1	.10	128.7	40945.0	17.1
33	162.2	-117.8	.64	-.08	168.5	99.4	.10	130.8	40063.4	17.3
34	161.8	-117.7	.65	-.09	170.2	101.1	.10	132.8	38579.9	17.2
35	161.2	-117.5	.67	-.09	171.9	102.8	.09	133.3	37251.6	17.2
36	161.4	-117.5	.69	-.10	173.4	104.4	.10	135.6	36512.0	17.3
37	162.0	-117.3	.70	-.10	174.9	105.8	.10	137.5	35242.2	17.0
38	162.5	-117.2	.72	-.11	176.5	106.9	.10	138.1	34072.6	16.9
39	161.6	-117.4	.73	-.12	178.0	108.1	.10	139.8	33484.1	17.2
40	160.9	-117.2	.75	-.12	179.4	109.7	.09	141.3	31945.5	16.9
41	160.6	-117.0	.77	-.13	180.9	111.0	.10	143.7	31653.8	17.3
42	161.6	-117.0	.79	-.14	182.4	112.3	.10	144.2	30471.9	17.0
43	161.4	-116.7	.80	-.14	183.8	113.3	.09	145.7	30044.3	17.2
44	160.0	-116.8	.82	-.15	185.0	114.9	.09	147.8	29099.5	17.4
45	160.6	-116.9	.84	-.16	186.4	116.0	.09	148.8	28087.7	17.1
46	161.0	-116.5	.86	-.17	187.8	117.1	.09	150.1	27287.2	17.1
47	161.2	-116.2	.88	-.18	189.1	118.0	.08	151.4	26379.7	16.9
48	161.0	-115.6	.90	-.19	190.4	119.6	.08	152.7	25866.0	17.2
49	160.1	-115.5	.93	-.19	191.6	121.1	.08	154.6	25236.6	17.4
50	161.1	-115.3	.95	-.20	193.0	122.1	.08	155.5	24372.7	17.1
51	161.1	-115.3	.97	-.22	194.1	122.7	.07	156.7	23519.7	17.0
52	159.7	-114.9	.99	-.23	195.4	124.4	.05	158.4	22898.0	17.3
53	161.0	-116.6	1.02	-.25	196.8	124.2	.06	159.5	22161.6	17.1
54	167.0	-120.3	1.07	-.30	198.4	122.1	.05	160.0	21429.4	16.9
55	164.2	-117.7	1.09	-.30	199.0	124.6	.04	161.4	20451.5	17.1
56	163.6	-117.8	1.12	-.32	200.3	125.9	.02	162.8	19974.7	17.3
57	162.6	-117.5	1.15	-.34	201.7	127.6	.02	164.7	19310.4	17.4
58	163.3	-117.2	1.18	-.36	203.0	129.0	.02	165.7	18559.2	17.3
59	163.8	-117.0	1.21	-.38	204.1	129.8	.01	166.8	17869.5	17.1
60	163.4	-116.8	1.24	-.40	205.1	130.7	-.00	168.0	17236.3	17.0
61	162.5	-116.6	1.28	-.42	206.3	131.8	-.02	169.2	16779.5	17.3
62	161.6	-116.5	1.31	-.44	207.3	133.1	-.05	170.5	16107.9	17.2
63	161.6	-116.3	1.34	-.46	208.4	134.1	-.07	171.4	15599.8	17.3
64	163.2	-117.6	1.39	-.50	209.6	134.2	-.08	172.9	15208.8	17.5
65	163.4	-117.4	1.43	-.53	210.4	135.0	-.10	187.6	14665.7	17.8
1	99.0	99.0	99.00	99.00	99.0	99.0	-.08	188.9	99.0	99.0
2	99.0	99.0	99.00	99.00	99.0	99.0	-.08	188.4	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-.08	188.1	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-.08	187.8	99.0	99.0

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
5	99.0	99.0	99.00	99.00	99.0	99.0	-.08	187.5	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-.08	187.3	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-.07	187.1	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	-.07	186.4	99.0	99.0
21	99.0	99.0	99.00	99.00	99.0	99.0	-.08	186.5	99.0	99.0
26	99.0	99.0	99.00	99.00	99.0	99.0	-.08	186.5	99.0	99.0
66	161.9	-117.7	1.41	-.56	215.4	137.3	-.11	175.5	14391.0	18.5
67	162.7	-117.5	1.47	-.60	213.0	137.3	-.12	175.9	13727.3	17.8
68	163.0	-117.5	1.51	-.63	213.6	138.1	-.14	177.0	13206.5	17.5
69	162.6	-117.3	1.56	-.67	214.3	139.0	-.14	178.5	12697.0	17.5
70	162.2	-117.0	1.61	-.70	215.2	139.9	-.16	179.3	12235.2	17.4
71	163.6	-118.3	1.67	-.75	216.0	139.5	-.18	180.0	11803.0	17.3
72	163.4	-118.3	1.72	-.79	216.7	140.4	-.21	180.9	11358.6	17.5
73	162.1	-118.1	1.77	-.82	217.4	141.6	-.22	182.1	10911.1	17.6
74	162.1	-117.7	1.83	-.86	218.2	142.4	-.25	183.0	10522.9	17.7
75	161.2	-117.7	1.89	-.90	218.9	143.0	-.26	184.1	10114.4	17.5
76	161.0	-117.3	1.94	-.94	219.6	144.1	-.28	185.1	9759.2	17.5
77	159.7	-117.2	2.00	-.98	220.3	144.9	-.30	186.0	9383.4	17.5
78	161.3	-119.0	2.07	-1.05	221.0	144.3	-.33	186.5	9103.7	17.3
79	160.4	-118.7	2.13	-1.10	221.5	144.8	-.36	187.3	8737.8	17.4
80	159.5	-118.5	2.19	-1.15	222.1	145.8	-.37	188.2	8415.1	17.3
81	158.5	-118.3	2.25	-1.19	222.7	146.8	-.42	188.8	8110.5	17.5
82	157.8	-118.0	2.32	-1.25	223.3	147.4	-.44	189.9	7813.4	17.5
83	157.0	-117.7	2.38	-1.29	223.9	148.4	-.47	190.7	7545.8	17.5
84	156.6	-117.6	2.45	-1.34	224.6	149.9	-.51	191.9	7311.7	17.5
85	155.6	-117.5	2.51	-1.39	225.4	150.7	-.55	192.2	7180.7	18.0
86	158.1	-118.9	2.59	-1.46	226.0	150.0	-.58	192.5	6997.6	17.8
87	157.6	-118.5	2.67	-1.52	226.2	150.4	-.60	193.3	6742.7	17.8
88	157.8	-118.5	2.75	-1.58	226.7	150.7	-.75	194.1	6435.3	17.3
89	156.7	-118.6	2.83	-1.63	227.1	152.4	-.78	195.2	6253.1	17.3
90	155.5	-118.2	2.91	-1.69	227.4	153.4	-.71	195.1	6062.8	17.6
91	159.3	-120.3	3.01	-1.77	228.0	151.5	-.81	194.7	5910.8	17.4
92	158.6	-120.6	3.11	-1.85	228.2	151.4	-.96	195.6	5735.6	17.5
93	157.5	-120.4	3.20	-1.92	228.5	152.7	-.90	196.3	5484.7	17.0
94	157.5	-120.1	3.30	-1.99	228.9	152.8	-.83	196.9	5323.7	17.5
95	158.1	-119.9	3.40	-2.06	229.3	153.2	-.85	197.3	5148.2	17.3
96	157.4	-120.0	3.50	-2.12	229.7	154.0	-.96	197.5	5044.2	17.7
97	156.7	-120.0	3.60	-2.17	230.1	156.0	-1.37	198.0	4860.4	17.7
98	155.3	-119.8	3.70	-2.25	230.5	155.9	-1.25	199.2	4664.7	17.4
99	155.8	-119.6	3.80	-2.31	230.7	156.3	-1.17	199.3	4564.5	17.7
100	155.6	-119.8	3.90	-2.38	231.1	156.8	-1.38	219.5	4437.9	18.2
1	99.0	99.0	99.00	99.00	99.0	99.0	-1.30	224.1	99.0	99.0
2	99.0	99.0	99.00	99.00	99.0	99.0	-1.30	223.6	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-1.30	223.3	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-1.30	223.1	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-1.30	222.9	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-1.30	222.7	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-1.30	222.5	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-1.30	222.4	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-1.30	222.3	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-1.30	222.2	99.0	99.0
15	99.0	99.0	99.00	99.00	99.0	99.0	-1.30	221.9	99.0	99.0
20	99.0	99.0	99.00	99.00	99.0	99.0	-1.30	221.6	99.0	99.0

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
25	99.0	99.0	99.00	99.00	99.0	99.0	-1.30	221.3	99.0	99.0
30	99.0	99.0	99.00	99.00	99.0	99.0	-1.30	221.2	99.0	99.0
35	99.0	99.0	99.00	99.00	99.0	99.0	-1.29	221.6	99.0	99.0
101	151.8	-119.8	3.83	-2.43	236.8	161.6	-1.34	203.5	4408.6	19.4
102	153.4	-119.9	3.97	-2.52	234.5	160.1	-1.33	202.3	4260.9	18.6
103	154.0	-120.0	4.10	-2.58	234.1	160.2	-1.36	201.9	4141.2	18.6
104	153.7	-119.5	4.22	-2.64	234.0	160.6	-1.36	202.2	4020.5	18.5
105	153.2	-119.9	4.33	-2.70	234.1	160.8	-1.43	202.2	3916.3	18.5
106	153.2	-119.6	4.44	-2.75	234.2	161.4	-1.47	202.4	3861.6	18.6
107	152.6	-119.7	4.55	-2.82	234.4	161.7	-1.76	202.5	3753.9	18.2
108	151.4	-119.7	4.67	-2.87	234.6	163.0	-1.87	202.5	3641.1	17.9
109	151.2	-119.2	4.78	-2.91	234.8	163.4	-1.77	203.1	3567.5	18.5
110	152.9	-120.9	4.91	-2.99	235.0	162.3	-1.75	203.4	3513.3	18.5
111	152.6	-120.8	5.03	-3.06	235.0	162.3	-1.79	203.2	3425.6	18.6
112	152.3	-120.5	5.15	-3.11	235.2	162.5	-1.79	203.5	3343.3	18.7
113	152.4	-120.6	5.26	-3.16	235.3	163.0	-1.74	203.8	3273.3	18.8
114	152.1	-120.5	5.38	-3.21	235.5	163.5	-1.74	204.1	3201.6	18.8
115	151.6	-120.5	5.50	-3.25	235.7	164.2	-1.71	204.1	3137.2	18.8
116	150.8	-120.4	5.62	-3.29	235.8	164.9	-1.78	204.4	3070.1	18.7
117	150.6	-120.3	5.73	-3.33	236.0	165.1	-1.78	204.7	3009.4	18.8
118	149.9	-120.6	5.85	-3.37	236.2	165.8	-2.14	204.6	2976.5	18.7
119	149.1	-120.1	5.97	-3.40	236.4	167.3	-2.45	205.0	2903.0	18.5
120	148.3	-119.9	6.09	-3.44	236.5	167.4	-2.18	205.6	2859.1	19.2
121	149.2	-120.8	6.23	-3.48	236.7	167.2	-2.15	205.5	2821.3	19.3
122	148.8	-120.7	6.35	-3.52	236.8	167.3	-2.21	205.7	2764.9	19.6
123	148.6	-120.8	6.47	-3.55	236.9	167.7	-2.19	205.8	2719.2	19.6
124	148.6	-120.9	6.60	-3.57	237.0	168.1	-2.20	205.7	2677.5	19.9
125	148.2	-120.8	6.72	-3.60	237.1	168.4	-2.09	205.6	2632.9	20.1
126	147.9	-120.6	6.84	-3.63	237.2	168.6	-2.27	205.4	2585.8	20.1
127	146.8	-121.0	6.97	-3.65	237.5	169.9	-2.86	205.3	2554.2	19.7
128	145.7	-120.8	7.10	-3.67	237.6	170.0	-2.41	206.0	2497.8	19.7
129	146.5	-120.8	7.22	-3.71	237.7	169.3	-2.16	206.1	2472.9	20.4
130	146.0	-120.7	7.35	-3.74	237.7	169.3	-2.29	206.0	2425.9	20.2
131	145.2	-120.5	7.47	-3.75	237.9	170.8	-2.71	206.1	2396.9	19.8
132	145.0	-120.5	7.61	-3.77	238.0	170.3	-2.39	206.0	2362.9	20.4
133	145.3	-120.3	7.74	-3.78	238.0	170.5	-2.59	205.2	2326.2	21.0
134	144.1	-120.4	7.87	-3.79	238.1	171.7	-2.77	205.8	2295.7	20.4
135	144.1	-120.6	8.01	-3.80	238.3	171.3	-2.38	205.7	2268.2	21.1
136	143.8	-120.3	8.14	-3.80	238.3	171.8	-3.02	205.3	2247.5	21.5
137	142.0	-120.4	8.28	-3.81	238.5	172.3	-2.53	206.3	2206.1	21.0
138	142.8	-120.4	8.41	-3.81	238.5	172.2	-2.58	205.1	2173.1	21.7
139	142.0	-120.9	8.55	-3.82	238.5	173.2	-2.91	205.6	2155.1	21.6
140	141.6	-120.5	8.69	-3.82	238.7	172.5	-2.49	205.7	2120.6	21.5
141	141.4	-120.8	8.83	-3.83	238.7	172.4	-3.15	205.1	2105.1	22.3
142	139.6	-120.6	8.96	-3.83	238.7	172.9	-2.56	206.3	2051.6	21.3
143	140.6	-120.4	9.12	-3.82	238.8	172.8	-2.66	204.8	2037.8	22.3
144	139.5	-121.2	9.26	-3.82	238.8	173.8	-2.94	205.3	2021.6	22.1
145	139.3	-120.8	9.41	-3.82	238.9	172.8	-2.52	205.6	1991.0	22.1
146	139.0	-121.1	9.55	-3.81	238.9	173.0	-3.16	204.5	1980.2	23.0
147	137.5	-120.9	9.71	-3.79	239.0	173.9	-2.73	205.6	1934.4	22.2
148	138.1	-121.2	9.86	-3.77	239.0	173.4	-3.18	203.6	1939.6	23.4
149	136.5	-121.1	10.02	-3.76	239.0	174.1	-2.94	205.1	1889.6	22.5
150	137.1	-121.0	10.18	-3.73	239.1	174.0	-2.55	205.0	1879.1	22.9

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
151	136.5	-121.4	10.34	-3.74	239.1	173.0	-3.09	203.8	1866.1	23.7
152	134.6	-121.1	10.51	-3.73	239.0	173.6	-2.74	205.2	1830.7	23.0
153	135.4	-121.2	10.67	-3.72	239.1	172.9	-3.15	203.3	1822.4	24.0
154	133.5	-121.6	10.84	-3.70	239.0	173.3	-2.83	204.9	1774.6	23.2
155	133.9	-121.4	11.02	-3.67	239.1	172.9	-2.59	203.9	1784.0	23.9
156	132.8	-122.0	11.21	-3.65	239.0	173.6	-3.01	202.8	1742.0	23.9
157	131.9	-122.1	11.40	-3.63	239.0	172.8	-2.74	204.2	1725.1	23.6
158	132.5	-122.1	11.59	-3.60	239.0	172.3	-2.59	203.2	1716.6	24.4
159	131.1	-122.2	11.79	-3.57	239.0	172.9	-2.94	202.4	1674.2	24.1
160	130.2	-122.1	11.99	-3.54	238.9	172.2	-2.74	203.4	1658.3	24.0
161	130.4	-122.6	12.20	-3.52	239.0	171.5	-2.27	203.4	1650.6	24.5
162	129.0	-122.8	12.41	-3.49	239.0	172.2	-2.94	201.7	1612.9	25.1
163	127.6	-122.7	12.62	-3.45	238.9	171.5	-2.76	202.2	1579.1	24.3
164	127.6	-122.7	12.84	-3.41	238.9	171.1	-2.54	203.1	1571.4	24.5
165	127.2	-123.0	13.07	-3.37	238.9	170.4	-1.98	202.9	1565.3	25.1
166	126.2	-123.5	13.31	-3.33	238.9	170.2	-2.37	201.9	1531.9	25.4
167	124.7	-123.4	13.55	-3.27	238.9	170.4	-2.62	201.3	1498.5	25.1
168	124.3	-123.1	13.80	-3.22	238.7	169.8	-2.29	201.8	1487.1	25.0
169	124.5	-123.6	14.06	-3.16	238.8	169.3	-1.98	202.3	1485.7	25.5
170	122.7	-123.3	14.31	-3.07	238.8	169.5	-2.37	200.5	1451.8	26.3
171	119.9	-122.0	14.54	-2.95	238.8	170.6	-2.18	201.0	1404.0	25.8
172	120.1	-121.3	14.81	-2.86	238.8	170.3	-1.85	202.3	1417.3	26.1
173	117.5	-121.4	15.06	-2.76	238.9	171.2	-2.06	200.6	1370.7	26.8
174	115.3	-119.4	15.30	-2.61	238.9	171.6	-1.89	201.1	1351.1	26.9
175	115.4	-119.8	15.59	-2.51	238.9	170.9	-1.53	202.3	1349.3	26.7
176	114.2	-120.3	15.90	-2.40	239.0	171.3	-1.62	200.9	1312.2	27.4
177	113.1	-119.9	16.21	-2.29	239.1	170.9	-1.65	200.6	1302.0	27.4
178	113.1	-119.8	16.54	-2.15	239.0	170.3	-1.23	201.6	1302.5	27.4
179	113.0	-120.8	16.88	-2.01	239.1	169.9	-.80	201.1	1275.7	27.6
180	111.6	-120.7	17.24	-1.89	239.1	169.5	-1.28	200.0	1259.5	27.7
181	109.7	-117.9	17.52	-1.63	239.0	171.0	-.65	201.7	1247.4	28.0
182	108.7	-118.6	17.89	-1.46	239.2	171.1	-.63	201.0	1204.7	28.2
183	108.0	-118.7	18.29	-1.29	239.3	170.5	-.73	200.2	1202.1	28.1
184	108.2	-118.7	18.71	-1.11	239.3	169.7	-.31	200.9	1206.0	28.3
185	108.2	-119.6	19.13	-.94	239.2	168.9	.17	201.6	1177.8	28.0
186	106.5	-119.5	19.57	-.76	239.4	168.6	-.14	199.9	1138.9	28.5
187	106.4	-119.0	20.04	-.59	239.4	167.5	.15	200.0	1130.8	28.4
188	106.3	-120.5	20.50	-.43	239.3	166.5	.56	200.8	1131.7	28.4
189	103.2	-118.9	20.90	-.17	239.4	167.7	.85	200.4	1086.6	28.7
190	102.2	-117.6	21.31	.08	239.6	167.6	.58	212.6	1077.5	29.4
1	99.0	99.0	99.00	99.00	99.0	99.0	.58	215.9	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	.58	216.6	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	.58	216.8	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	.58	216.9	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	.58	217.1	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	.58	217.2	99.0	99.0
12	99.0	99.0	99.00	99.00	99.0	99.0	.58	217.5	99.0	99.0
17	99.0	99.0	99.00	99.00	99.0	99.0	.58	217.8	99.0	99.0
22	99.0	99.0	99.00	99.00	99.0	99.0	.58	218.0	99.0	99.0
27	99.0	99.0	99.00	99.00	99.0	99.0	.58	218.2	99.0	99.0
32	99.0	99.0	99.00	99.00	99.0	99.0	.58	218.4	99.0	99.0
191	100.9	-117.5	20.74	-.15	242.7	171.9	.74	204.3	1085.4	29.3
192	100.2	-117.9	21.55	.10	241.3	169.8	.89	203.3	1072.6	29.9

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
193	99.3	-118.3	22.14	.32	240.8	168.9	1.27	203.2	1035.5	29.0
194	97.7	-117.5	22.64	.50	240.9	168.0	1.07	201.7	1015.7	29.8
195	97.7	-118.5	23.12	.68	241.3	167.9	1.51	202.9	1015.3	30.0
196	95.5	-117.8	23.60	.84	241.6	166.7	1.37	201.1	960.7	29.1
197	92.5	-113.9	23.77	1.18	241.6	170.5	1.97	203.9	964.2	30.6
198	90.0	-113.3	24.17	1.32	242.2	169.8	1.97	203.0	959.1	31.2
199	90.3	-113.4	24.63	1.42	241.9	169.5	1.94	203.2	902.7	29.4
200	90.2	-113.5	25.00	1.53	242.5	168.8	2.16	202.9	897.3	29.4
201	89.3	-113.8	25.37	1.56	242.5	169.0	2.41	203.9	884.2	30.0
202	88.2	-113.5	25.71	1.65	243.1	169.0	2.57	203.4	870.9	30.3
203	88.0	-114.9	26.18	1.55	242.8	167.4	2.39	203.6	855.4	30.3
204	86.6	-115.3	26.50	1.55	243.2	167.1	2.16	203.0	860.9	31.2
205	84.8	-115.2	26.76	1.58	243.1	168.3	2.30	204.1	862.0	32.0
206	84.6	-115.1	27.07	1.53	243.8	167.7	2.35	204.2	841.4	32.1
207	83.8	-115.0	27.35	1.49	243.6	168.3	2.37	205.0	819.2	31.9
208	83.0	-114.4	27.64	1.47	244.2	167.8	2.53	204.7	792.3	31.4
209	81.7	-113.9	27.92	1.42	243.9	168.7	2.00	204.4	790.3	32.3
210	79.5	-115.1	28.22	1.43	244.5	168.8	2.15	204.7	793.7	32.8
211	79.5	-115.0	28.53	1.38	244.4	169.7	2.30	206.1	766.1	32.4
212	78.8	-114.0	28.82	1.31	244.9	169.1	2.30	205.7	734.5	31.9
213	77.0	-114.1	29.09	1.16	244.7	169.2	1.84	205.6	727.8	32.5
214	76.4	-114.6	29.31	1.02	245.1	168.9	1.93	206.5	727.4	33.0
215	76.3	-113.7	29.53	.89	245.1	169.3	1.93	206.5	699.1	32.7
216	75.0	-113.1	29.76	.80	245.2	170.1	1.42	205.8	696.6	33.2
217	73.8	-113.7	29.78	.72	245.4	171.7	1.49	206.7	700.2	33.6
218	74.0	-113.7	29.80	.43	245.6	171.7	1.40	207.9	671.0	32.7
219	72.1	-115.6	29.83	-.23	245.7	170.1	.52	206.1	666.1	32.6
220	73.8	-116.2	29.83	-.48	246.0	171.5	.26	206.5	676.0	33.0
221	74.4	-116.3	29.84	-.72	246.3	172.4	.14	207.6	655.8	32.9
222	74.5	-115.6	29.85	-.87	246.1	173.8	.13	208.1	640.1	32.9
223	71.9	-115.5	29.86	-1.25	246.5	173.9	-.68	207.3	637.4	33.1
224	73.1	-115.4	29.87	-1.48	246.9	174.7	-.73	208.1	639.3	32.5
225	73.8	-115.9	29.87	-1.69	246.6	175.9	-.62	209.3	626.7	33.2
226	71.1	-114.7	29.88	-1.92	247.2	176.3	-1.30	208.8	615.4	33.5
227	72.6	-114.4	29.88	-2.15	247.4	177.0	-1.35	222.8	617.2	32.9

CYCLIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....2G

CORE INCREMENT.....65-73 cm

TEST NUMBER.....TC6

FINAL LATERAL CONSOLIDATION STRESS 252.82 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR..... .68 Kg

TRANSDUCER ZERO FACTOR..... 1.80 kPa

LVDT ZERO FACTOR.....-1.81 cm

AVE MAX DEV STRESS..... 180.03 kPa

AVE MIN DEV STRESS.....-169.86 kPa

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
1	.0	-.0	.00	0.00	1.8	1.8	.00	1.8	-2558.1	6.1
2	200.3	-158.0	.47	-.28	85.7	-11.2	-.05	60.5	52855.4	23.7
3	204.8	-162.2	.75	-.52	126.8	17.3	-.13	99.7	31104.3	21.4
4	205.9	-162.5	1.09	-.90	160.2	39.7	-.30	127.6	20402.5	20.6
5	211.3	-167.6	1.58	-1.53	186.4	50.7	-.64	149.5	12892.0	19.6
6	202.3	-166.4	2.06	-2.16	205.7	64.8	-.86	165.7	9180.9	18.1
7	206.5	-171.7	2.66	-2.97	217.6	67.9	-1.26	177.1	7123.8	17.2
8	203.6	-172.0	3.26	-3.69	224.8	76.3	-1.72	184.7	5605.7	16.1
9	200.3	-172.5	3.87	-4.36	228.9	82.7	-1.63	192.4	4684.5	15.2
10	199.2	-172.3	5.08	-4.97	233.9	88.1	4.57	215.2	4076.6	23.2
2	99.0	99.0	99.00	99.00	99.0	99.0	-2.25	235.0	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-2.25	235.1	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-2.24	235.0	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-2.24	234.9	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-2.24	234.9	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-2.24	234.9	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-2.24	234.8	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-2.24	234.8	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-2.24	234.8	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-2.24	234.7	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	-2.24	234.6	99.0	99.0
21	99.0	99.0	99.00	99.00	99.0	99.0	-2.24	234.6	99.0	99.0
26	99.0	99.0	99.00	99.00	99.0	99.0	-2.21	235.5	99.0	99.0
31	99.0	99.0	99.00	99.00	99.0	99.0	-2.21	235.2	99.0	99.0
36	99.0	99.0	99.00	99.00	99.0	99.0	-2.19	235.5	99.0	99.0
41	99.0	99.0	99.00	99.00	99.0	99.0	-2.17	235.8	99.0	99.0
46	99.0	99.0	99.00	99.00	99.0	99.0	-2.17	235.6	99.0	99.0
51	99.0	99.0	99.00	99.00	99.0	99.0	-2.17	235.5	99.0	99.0
56	99.0	99.0	99.00	99.00	99.0	99.0	-2.17	235.4	99.0	99.0
11	196.1	-169.2	5.36	-5.87	244.5	111.3	-2.38	213.2	3337.7	14.2
12	198.3	-174.2	6.11	-6.41	242.1	107.1	-2.01	212.1	3062.1	13.2
13	199.3	-177.0	6.85	-6.87	241.6	106.0	-2.08	212.9	2825.7	12.9
14	198.3	-178.4	7.58	-7.26	241.7	105.7	-2.28	213.4	2583.8	13.0
15	195.6	-178.8	8.32	-7.59	241.8	106.3	-1.96	213.8	2390.4	12.9
16	192.1	-179.7	9.06	-7.87	241.9	107.0	-1.77	214.5	2249.7	13.1
17	187.8	-180.1	9.84	-8.11	242.0	106.7	-3.17	213.7	2106.4	14.0
18	185.1	-180.3	10.64	-8.33	242.2	106.5	-3.29	213.7	1972.7	13.5
19	183.8	-179.7	11.49	-8.51	242.4	106.9	-1.68	214.6	1848.8	13.9
20	178.6	-181.1	12.43	-8.64	242.3	105.7	-3.78	235.3	1737.1	15.3
2	99.0	99.0	99.00	99.00	99.0	99.0	-3.39	242.5	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-3.38	242.8	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-3.39	242.9	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-3.39	243.0	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-3.39	243.0	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-3.39	243.0	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-3.39	243.0	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-3.39	243.0	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-3.38	243.0	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	-3.38	243.1	99.0	99.0
21	99.0	99.0	99.00	99.00	99.0	99.0	-3.38	243.0	99.0	99.0
26	99.0	99.0	99.00	99.00	99.0	99.0	-3.39	243.1	99.0	99.0
31	99.0	99.0	99.00	99.00	99.0	99.0	-3.38	243.1	99.0	99.0
36	99.0	99.0	99.00	99.00	99.0	99.0	-3.39	243.1	99.0	99.0

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
41	99.0	99.0	99.00	99.00	99.0	99.0	-3.38	243.1	99.0	99.0
46	99.0	99.0	99.00	99.00	99.0	99.0	-3.39	243.1	99.0	99.0
51	99.0	99.0	99.00	99.00	99.0	99.0	-3.39	243.1	99.0	99.0
56	99.0	99.0	99.00	99.00	99.0	99.0	-3.39	243.1	99.0	99.0
21	172.4	-185.3	12.52	-8.94	250.0	106.5	-3.46	227.3	1701.2	15.4
22	170.6	-186.4	13.71	-9.20	247.8	103.8	-2.66	222.9	1598.3	15.2
23	166.1	-186.0	14.92	-9.38	245.8	101.5	-2.26	221.5	1470.2	16.2
24	165.8	-185.7	16.28	-9.62	245.0	97.6	-2.59	220.0	1410.3	16.8
25	162.1	-184.1	17.75	-9.83	244.5	96.7	-2.60	218.8	1291.0	17.7
26	156.6	-182.3	19.28	-10.21	244.3	97.4	-3.49	217.5	1185.0	18.9
27	151.7	-181.6	20.92	-11.70	244.3	94.7	-5.26	218.1	1097.0	21.4
28	146.4	-180.8	22.41	-19.35	244.3	87.7	-10.58	232.8	887.5	25.7

CYCLIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....2G

CORE INCREMENT.....141-149 cm

TEST NUMBER.....TC8

FINAL LATERAL CONSOLIDATION STRESS 44.10 kPa

INDUCED OCR..... 6.00

LOAD ZERO FACTOR..... .58 Kg

TRANSDUCER ZERO FACTOR..... 2.10 kPa

LVDT ZERO FACTOR.....-1.64 cm

AVE MAX DEV STRESS..... 140.70 kPa

AVE MIN DEV STRESS.....-144.43 kPa

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
1	156.6	-137.5	.91	-1.47	15.6	-89.5	-.65	-20.1	13448.0	18.7
2	158.2	-142.8	1.44	-2.16	14.2	-91.5	-1.04	-15.7	8748.6	18.0
3	153.8	-143.1	1.84	-2.75	16.9	-89.4	-1.26	-10.5	6709.1	16.7
4	153.6	-144.3	2.27	-3.27	19.1	-85.2	-1.54	-6.7	5559.6	16.2
5	152.9	-144.7	2.70	-3.77	21.4	-83.7	-1.73	-2.8	4746.6	15.1
6	154.1	-146.8	3.13	-4.21	23.0	-81.0	-2.05	-.2	4200.9	15.1
7	154.2	-149.1	3.58	-4.66	24.4	-81.8	-1.93	3.8	3772.2	14.1
8	153.8	-149.7	4.00	-5.00	25.9	-78.8	-2.11	5.8	3442.8	14.1
9	150.9	-149.2	4.40	-5.33	27.3	-78.0	-1.97	10.5	3154.9	13.5
10	152.4	-152.1	4.83	-5.65	28.6	-79.0	-3.75	21.4	2952.5	14.2
3	99.0	99.0	99.00	99.00	99.0	99.0	-3.69	24.0	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-3.69	24.0	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-3.69	24.0	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-3.69	24.0	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-3.69	24.0	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-3.69	24.1	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-3.69	24.8	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-3.69	25.2	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	-3.69	25.3	99.0	99.0
21	99.0	99.0	99.00	99.00	99.0	99.0	-3.69	25.3	99.0	99.0
26	99.0	99.0	99.00	99.00	99.0	99.0	-3.69	25.3	99.0	99.0
31	99.0	99.0	99.00	99.00	99.0	99.0	-3.69	25.3	99.0	99.0
11	-1.6	-2.1	-3.20	-3.69	29.0	27.4	-3.04	29.1	100.1	-4.8
12	152.5	-148.7	5.05	-5.92	34.4	-74.0	-3.05	22.3	2803.4	13.6
13	153.6	-150.6	5.58	-6.18	34.8	-75.4	-2.92	22.6	2638.7	13.1
14	152.0	-150.4	6.04	-6.39	34.7	-75.7	-2.81	23.9	2490.5	12.5
15	150.6	-150.5	6.48	-6.57	34.8	-75.3	-2.71	23.9	2346.1	13.2
16	151.3	-153.1	6.96	-6.78	35.2	-77.2	-2.94	24.5	2251.5	13.4
17	150.3	-153.2	7.40	-6.95	35.7	-77.2	-3.14	27.5	2151.0	13.6
18	148.9	-152.9	7.85	-7.09	36.2	-77.0	-2.12	27.1	2041.4	13.0
19	147.8	-153.3	8.29	-7.24	36.7	-77.1	-2.47	27.9	1963.9	12.5
20	146.8	-153.6	9.20	-7.36	37.4	-77.0	.88	20.7	1887.9	18.2
2	99.0	99.0	99.00	99.00	99.0	99.0	-4.61	31.1	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-4.61	31.2	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-4.61	31.2	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-4.61	31.2	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-4.61	31.3	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-4.61	31.3	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-4.61	31.3	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-4.61	31.3	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-4.61	31.3	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-4.61	31.3	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	-4.61	31.3	99.0	99.0
22	99.0	99.0	99.00	99.00	99.0	99.0	-4.61	31.3	99.0	99.0
27	99.0	99.0	99.00	99.00	99.0	99.0	-4.61	31.4	99.0	99.0
32	99.0	99.0	99.00	99.00	99.0	99.0	-4.61	31.4	99.0	99.0
37	99.0	99.0	99.00	99.00	99.0	99.0	-4.61	31.4	99.0	99.0
21	143.8	-152.0	9.33	-7.55	38.0	-74.8	-3.36	32.2	1775.9	13.9
22	142.4	-152.8	9.93	-7.65	40.2	-75.6	-3.65	32.8	1697.6	14.0
23	141.3	-153.3	10.46	-7.71	39.9	-75.7	-3.49	32.1	1639.4	14.0
24	140.4	-154.3	11.00	-7.80	39.5	-76.3	-3.83	32.1	1586.7	14.3
25	139.7	-154.0	11.53	-7.88	39.1	-75.9	-3.41	31.8	1532.7	14.1
26	137.5	-153.9	12.08	-7.98	38.9	-75.8	-3.41	30.6	1470.3	14.6

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
27	135.5	-154.2	12.64	-8.12	38.3	-75.7	-3.74	30.0	1412.7	15.4
28	133.8	-153.4	13.21	-8.32	37.9	-76.4	-2.59	28.0	1349.8	15.6
29	131.6	-152.8	13.72	-8.58	37.6	-77.3	-2.72	27.3	1304.6	16.1
30	130.1	-153.0	14.35	-9.02	37.4	-78.7	-5.70	29.5	1240.5	17.0
2	99.0	99.0	99.00	99.00	99.0	99.0	-5.52	31.4	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-5.52	31.6	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-5.52	31.7	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-5.52	31.7	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-5.52	31.7	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-5.52	31.8	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-5.52	31.8	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-5.52	31.8	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-5.52	31.9	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	-5.52	31.9	99.0	99.0
21	99.0	99.0	99.00	99.00	99.0	99.0	-5.52	32.0	99.0	99.0
26	99.0	99.0	99.00	99.00	99.0	99.0	-5.52	32.1	99.0	99.0
31	99.0	99.0	99.00	99.00	99.0	99.0	-5.52	32.1	99.0	99.0
36	99.0	99.0	99.00	99.00	99.0	99.0	-5.52	32.1	99.0	99.0
41	99.0	99.0	99.00	99.00	99.0	99.0	-5.52	32.1	99.0	99.0
46	99.0	99.0	99.00	99.00	99.0	99.0	-5.50	32.4	99.0	99.0
51	99.0	99.0	99.00	99.00	99.0	99.0	-5.50	32.4	99.0	99.0
31	131.2	-150.1	14.43	-9.50	39.2	-75.4	-3.80	28.8	1225.2	18.6
32	132.1	-152.7	15.52	-10.30	39.7	-77.3	-4.09	27.9	1151.4	18.0
33	133.2	-154.4	16.52	-12.54	37.9	-76.1	-5.63	22.4	1072.3	20.1
34	134.6	-155.0	17.33	-17.26	35.4	-77.0	-11.87	19.1	888.0	22.7
35	136.2	-139.6	17.47	-17.41	34.0	-60.7	-10.60	10.9	865.8	24.9
36	140.5	-122.0	20.58	-17.49	32.4	-55.8	-8.46	7.9	863.5	30.4
37	144.3	-138.1	25.97	-17.58	32.1	-73.9	-8.81	6.9	744.8	29.3
38	125.7	-115.0	28.94	-17.62	32.4	-54.8	-10.72	21.6	582.0	32.6

CYCLIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....6G

CORE INCREMENT.....112-120 cm

TEST NUMBER.....TC12

FINAL LATERAL CONSOLIDATION STRESS 51.96 kPa

INDUCED OCR..... 6.00

LOAD ZERO FACTOR..... .71 Kg

TRANSDUCER ZERO FACTOR.....-1.40 kPa

LVDT ZERO FACTOR.....-1.50 cm

AVE MAX DEV STRESS..... 141.86 kPa

AVE MIN DEV STRESS.....-130.43 kPa

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
1	153.0	-121.5	.46	-.63	17.9	-83.2	-.26	-24.7	26531.8	14.3
2	153.3	-121.2	.58	-.75	15.3	-82.6	-.32	-22.2	21366.5	14.8
3	152.6	-120.7	.69	-.86	17.3	-80.7	-.37	-18.9	18137.5	14.1
4	154.5	-122.6	.82	-1.00	19.6	-81.4	-.43	-17.3	15768.1	14.2
5	157.0	-125.1	.97	-1.18	21.2	-82.8	-.48	-14.6	13379.0	14.0
6	155.8	-124.6	1.13	-1.35	22.9	-79.5	-.62	-11.5	11588.4	13.9
7	156.2	-125.6	1.30	-1.55	24.7	-79.8	-.66	-9.4	10076.6	14.0
8	156.4	-127.9	1.51	-1.79	26.3	-78.5	-.80	-6.7	8796.0	13.8
9	154.8	-127.8	1.70	-2.02	27.4	-76.6	-1.00	-4.3	7799.7	13.8
10	152.6	-128.2	1.90	-2.28	28.9	-76.1	-1.34	21.7	6846.4	13.8
2	99.0	99.0	99.00	99.00	99.0	99.0	-1.29	23.9	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-1.29	23.5	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-1.29	23.2	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-1.29	23.0	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-1.28	22.8	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-1.29	22.7	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-1.28	22.7	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-1.28	22.6	99.0	99.0
14	99.0	99.0	99.00	99.00	99.0	99.0	-1.28	22.5	99.0	99.0
19	99.0	99.0	99.00	99.00	99.0	99.0	-1.28	22.5	99.0	99.0
24	99.0	99.0	99.00	99.00	99.0	99.0	-1.27	23.4	99.0	99.0
29	99.0	99.0	99.00	99.00	99.0	99.0	-1.27	23.5	99.0	99.0
34	99.0	99.0	99.00	99.00	99.0	99.0	-1.27	23.4	99.0	99.0
11	152.6	-125.2	2.06	-2.46	34.4	-67.2	-1.26	3.2	6269.1	14.5
12	156.8	-128.7	2.38	-2.75	31.4	-71.0	-1.23	4.1	5739.0	13.6
13	155.6	-129.7	2.69	-3.03	32.3	-70.9	-1.33	6.3	5054.7	12.9
14	156.1	-129.7	2.99	-3.28	33.2	-69.0	-1.64	9.0	4652.7	13.1
15	156.6	-131.1	3.33	-3.54	34.0	-70.4	-1.62	11.9	4245.8	12.9
16	154.3	-130.9	3.67	-3.79	34.8	-70.2	-1.30	15.8	3864.3	12.6
17	154.3	-130.7	4.02	-4.00	35.9	-68.9	-1.69	19.9	3608.9	12.2
18	153.0	-131.0	4.37	-4.21	36.9	-68.1	-2.30	22.2	3367.6	12.7
19	154.1	-133.0	4.77	-4.43	37.8	-69.3	-1.50	24.2	3187.8	12.7
20	150.9	-132.8	5.16	-4.62	38.9	-70.2	-2.56	38.8	2957.2	12.8
2	99.0	99.0	99.00	99.00	99.0	99.0	-2.44	42.4	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-2.44	42.2	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-2.44	42.1	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-2.44	42.0	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-2.44	42.0	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-2.44	41.9	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-2.44	41.9	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-2.44	41.9	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-2.44	41.8	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-2.44	41.8	99.0	99.0
19	99.0	99.0	99.00	99.00	99.0	99.0	-2.44	41.7	99.0	99.0
24	99.0	99.0	99.00	99.00	99.0	99.0	-2.44	41.6	99.0	99.0
29	99.0	99.0	99.00	99.00	99.0	99.0	-2.44	41.6	99.0	99.0
34	99.0	99.0	99.00	99.00	99.0	99.0	-2.44	41.6	99.0	99.0
21	150.0	-131.4	5.37	-4.71	42.8	-67.8	-1.83	30.9	2837.9	12.8
22	150.2	-131.5	5.83	-4.86	43.2	-67.4	-1.83	31.2	2681.0	12.3
23	148.9	-131.4	6.26	-4.98	43.6	-67.7	-2.58	36.1	2530.6	12.4
24	148.8	-131.6	6.68	-5.10	44.2	-68.0	-2.62	36.7	2429.4	12.3
25	148.8	-133.2	7.15	-5.23	44.8	-69.5	-2.79	38.0	2304.5	12.1
26	147.6	-133.2	7.60	-5.32	45.6	-69.7	-2.39	37.0	2193.9	12.4

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
27	145.5	-133.6	8.07	-5.40	46.0	-69.1	-1.95	36.5	2090.6	13.0
28	144.0	-133.7	8.55	-5.46	46.5	-69.5	-1.68	36.7	2012.8	13.3
29	142.5	-134.2	9.04	-5.51	46.9	-70.0	-1.76	37.6	1927.7	13.2
30	140.8	-134.2	9.54	-5.54	47.2	-70.6	-2.79	43.5	1842.9	13.9
2	99.0	99.0	99.00	99.00	99.0	99.0	-2.59	46.2	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-2.59	46.2	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-2.59	46.1	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-2.59	46.1	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-2.59	46.1	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-2.59	46.1	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-2.59	46.1	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-2.59	46.1	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-2.59	46.0	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-2.59	46.1	99.0	99.0
19	99.0	99.0	99.00	99.00	99.0	99.0	-2.59	46.0	99.0	99.0
24	99.0	99.0	99.00	99.00	99.0	99.0	-2.59	46.0	99.0	99.0
29	99.0	99.0	99.00	99.00	99.0	99.0	-2.59	46.0	99.0	99.0
31	137.7	-130.0	9.77	-5.46	46.5	-65.8	-2.52	40.2	1783.5	14.1
32	139.2	-133.0	10.41	-5.47	48.6	-69.9	-1.84	39.5	1740.0	13.9
33	137.7	-133.0	10.99	-5.42	48.9	-71.5	-.46	39.3	1666.7	13.4
34	136.6	-133.3	11.58	-5.34	48.6	-72.3	.36	36.2	1618.2	12.6
35	133.5	-133.3	12.20	-5.24	49.3	-72.8	.77	36.5	1567.4	12.8
36	132.0	-133.6	12.84	-5.13	49.4	-73.4	1.07	36.6	1511.6	12.8
37	130.2	-133.7	13.52	-5.02	49.6	-73.8	1.25	36.7	1456.4	13.1
38	127.8	-134.0	14.24	-4.91	49.6	-74.3	1.68	37.0	1398.4	13.6
39	125.4	-133.8	14.98	-4.79	49.6	-74.1	1.91	36.9	1340.2	13.8
40	121.9	-132.0	15.72	-4.65	49.5	-72.5	1.39	36.1	1274.1	14.1
41	118.8	-132.2	16.56	-4.53	49.5	-72.0	2.36	36.1	1224.4	15.1
42	117.7	-133.1	17.46	-4.46	49.2	-73.7	.91	35.2	1167.2	15.4
43	116.4	-133.3	18.47	-4.37	48.7	-73.8	.68	35.5	1111.4	15.3
44	111.0	-130.9	19.45	-4.22	48.7	-71.4	2.91	35.4	1032.2	16.6
45	109.6	-131.7	20.64	-4.10	48.1	-71.4	.61	35.4	1002.6	17.0
46	108.6	-131.7	22.00	-4.02	47.5	-71.8	-.90	36.0	944.1	17.8
47	105.9	-131.6	23.59	-3.93	46.9	-72.8	-1.48	39.9	879.9	19.3

CYCLIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....6G

CORE INCREMENT.....122-130 cm

TEST NUMBER.....TC11

FINAL LATERAL CONSOLIDATION STRESS 302.70 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR..... .54 Kg

TRANSDUCER ZERO FACTOR..... 2.40 kPa

LVDT ZERO FACTOR.....-1.55 cm

AVE MAX DEV STRESS..... 209.40 kPa

AVE MIN DEV STRESS.....-203.93 kPa

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
1	234.1	-190.0	.45	-.28	85.6	2.4	-.04	66.3	64296.4	24.3
2	231.0	-187.9	.72	-.49	141.0	44.9	-.12	120.4	38487.0	22.9
3	236.3	-192.1	1.17	-1.11	187.0	70.1	-.39	163.8	20828.3	22.2
4	237.9	-197.9	1.94	-2.24	226.7	84.7	-.95	193.8	11128.8	20.8
5	234.1	-200.8	2.94	-3.53	254.1	96.7	-1.66	213.8	7005.8	18.3
6	234.2	-207.4	4.17	-4.91	267.2	100.8	-1.95	228.5	5114.2	17.0
7	230.1	-208.5	5.40	-6.04	273.1	104.0	-2.08	242.4	3991.9	16.0
8	228.7	-212.9	6.75	-7.12	277.2	102.4	-2.25	256.0	3257.6	14.8
9	223.5	-214.9	8.11	-8.03	280.2	102.1	-2.28	263.8	2778.2	14.5
10	218.1	-216.5	9.53	-8.82	283.2	101.9	-4.19	283.2	2422.8	15.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-3.50	290.6	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-3.50	290.6	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-3.50	290.6	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-3.50	290.6	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-3.50	290.6	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-3.50	290.5	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-3.50	290.5	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-3.50	290.5	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-3.50	290.5	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	-3.50	290.5	99.0	99.0
22	99.0	99.0	99.00	99.00	99.0	99.0	-3.50	290.5	99.0	99.0
28	99.0	99.0	99.00	99.00	99.0	99.0	-3.49	290.5	99.0	99.0
33	99.0	99.0	99.00	99.00	99.0	99.0	-3.49	290.5	99.0	99.0
11	206.0	-224.6	10.29	-9.67	295.0	97.6	-3.86	283.7	2218.5	14.7
12	196.1	-218.8	11.69	-10.22	294.9	101.6	-3.58	282.7	1933.6	15.2
13	189.8	-218.8	13.34	-10.86	294.6	101.2	-3.48	281.6	1723.6	16.0
14	183.1	-219.0	15.38	-11.69	294.2	100.4	-4.33	281.1	1529.5	17.3
15	175.2	-216.3	18.29	-13.63	293.3	101.0	-5.05	277.1	1326.0	21.0
16	163.0	-203.1	23.28	-15.68	293.4	120.4	-8.04	271.7	1053.8	26.7
17	138.7	-137.3	29.20	-15.83	290.8	155.6	-9.83	283.7	923.6	45.8

CYCLIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....6G

CORE INCREMENT.....144-152 cm

TEST NUMBER.....TC10

FINAL LATERAL CONSOLIDATION STRESS 298.41 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR..... .88 Kg

TRANSDUCER ZERO FACTOR.....-1.30 kPa

LVDT ZERO FACTOR.....-1.47 cm

AVE MAX DEV STRESS..... 178.46 kPa

AVE MIN DEV STRESS.....-157.97 kPa

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
1	196.1	-157.5	.23	-.11	50.7	-11.2	.00	9.5	109822.0	19.1
2	194.6	-157.3	.29	-.10	73.8	5.0	.03	28.2	94277.1	17.6
3	193.2	-155.2	.32	-.09	90.8	18.7	.04	42.3	86278.2	16.6
4	191.3	-155.5	.36	-.09	104.9	28.3	.05	54.0	80088.0	16.5
5	192.8	-154.6	.39	-.09	116.2	37.5	.06	63.8	74545.9	16.2
6	192.0	-155.3	.42	-.09	126.4	44.5	.07	73.0	71874.2	16.7
7	192.8	-154.9	.45	-.09	135.2	52.0	.07	80.9	66106.6	16.1
8	190.5	-155.3	.47	-.09	143.3	57.6	.08	88.6	63728.2	16.7
9	191.9	-154.7	.50	-.10	150.7	63.8	.08	95.2	58868.2	16.1
10	190.7	-154.9	.53	-.10	157.5	68.7	.09	118.6	56737.8	16.6
2	99.0	99.0	99.00	99.00	99.0	99.0	.11	116.5	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	.11	113.1	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	.12	110.1	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	.12	108.2	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	.12	106.0	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	.13	104.1	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	.13	102.7	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	.13	101.7	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	.13	101.3	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	.13	100.6	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	.14	98.9	99.0	99.0
21	99.0	99.0	99.00	99.00	99.0	99.0	.14	98.7	99.0	99.0
26	99.0	99.0	99.00	99.00	99.0	99.0	.14	99.0	99.0	99.0
31	99.0	99.0	99.00	99.00	99.0	99.0	.14	99.6	99.0	99.0
36	99.0	99.0	99.00	99.00	99.0	99.0	.14	100.4	99.0	99.0
41	99.0	99.0	99.00	99.00	99.0	99.0	.15	100.9	99.0	99.0
46	99.0	99.0	99.00	99.00	99.0	99.0	.15	101.5	99.0	99.0
51	99.0	99.0	99.00	99.00	99.0	99.0	.15	102.1	99.0	99.0
56	99.0	99.0	99.00	99.00	99.0	99.0	.15	102.6	99.0	99.0
61	99.0	99.0	99.00	99.00	99.0	99.0	.15	103.1	99.0	99.0
11	199.0	-145.6	.56	-.02	154.0	70.7	.14	100.6	61135.8	17.3
12	202.9	-148.8	.61	-.03	162.9	75.2	.15	107.4	57185.1	16.3
13	205.1	-151.5	.65	-.05	170.3	79.3	.15	113.9	52939.4	16.3
14	206.1	-152.7	.70	-.06	176.9	83.5	.15	119.8	48958.2	16.3
15	206.9	-153.3	.74	-.07	183.2	87.8	.16	125.7	45495.2	16.2
16	206.8	-153.2	.79	-.09	189.2	92.4	.16	131.6	42291.0	16.1
17	206.6	-152.4	.84	-.10	195.0	97.3	.15	137.5	38977.2	16.1
18	206.0	-152.4	.89	-.12	200.6	101.4	.15	142.9	36374.4	16.2
19	207.2	-153.8	.94	-.15	206.0	104.5	.15	148.6	34216.9	16.5
20	207.6	-153.9	1.00	-.19	211.1	106.2	.16	181.7	31241.7	16.0
2	99.0	99.0	99.00	99.00	99.0	99.0	.17	179.0	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	.18	177.1	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	.18	175.8	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	.18	175.0	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	.18	174.2	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	.19	174.0	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	.19	173.7	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	.19	173.5	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	.19	173.4	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	.19	173.4	99.0	99.0
18	99.0	99.0	99.00	99.00	99.0	99.0	.19	173.1	99.0	99.0
23	99.0	99.0	99.00	99.00	99.0	99.0	.19	173.4	99.0	99.0

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
21	207.1	-151.8	1.04	-.16	216.4	111.8	.16	157.5	30994.8	-104.6
22	209.4	-154.5	1.13	-.21	219.9	113.9	.14	161.7	27853.1	16.4
23	209.1	-153.9	1.21	-.25	225.4	118.1	.13	167.3	25546.0	16.3
24	209.2	-153.1	1.29	-.30	230.3	121.9	.11	172.3	23430.4	16.3
25	209.1	-153.6	1.39	-.36	234.9	125.0	.07	176.5	21195.3	16.5
26	209.9	-154.7	1.50	-.43	239.1	127.4	.07	182.3	19465.7	16.3
27	209.6	-154.3	1.62	-.51	242.9	130.9	.05	186.7	17587.1	16.4
28	209.0	-153.4	1.75	-.59	246.9	134.4	-.03	190.1	15835.7	16.2
29	208.3	-154.3	1.89	-.70	250.5	136.5	-.12	193.2	14427.1	16.6
30	207.9	-155.5	2.05	-.83	253.8	138.3	-.12	235.9	12954.9	16.6
2	99.0	99.0	99.00	99.00	99.0	99.0	-.09	238.4	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-.09	236.9	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-.09	236.1	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-.09	235.6	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-.09	235.3	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-.09	235.0	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-.09	234.9	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-.09	234.7	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-.09	234.6	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-.09	234.5	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	-.09	234.2	99.0	99.0
21	99.0	99.0	99.00	99.00	99.0	99.0	-.09	234.0	99.0	99.0
26	99.0	99.0	99.00	99.00	99.0	99.0	-.09	233.8	99.0	99.0
31	99.0	99.0	99.00	99.00	99.0	99.0	-.09	233.7	99.0	99.0
36	99.0	99.0	99.00	99.00	99.0	99.0	-.09	233.6	99.0	99.0
41	99.0	99.0	99.00	99.00	99.0	99.0	-.09	233.4	99.0	99.0
31	194.7	-165.4	2.07	-1.01	263.7	134.4	-.25	200.1	12053.2	-7.1
32	189.8	-161.2	2.17	-1.14	260.6	139.9	-.33	204.6	10846.0	16.4
33	185.7	-157.8	2.27	-1.27	263.2	145.3	-.41	208.1	9860.4	16.1
34	183.4	-156.8	2.37	-1.40	265.3	148.4	-.55	211.1	9167.4	15.9
35	182.8	-156.3	2.50	-1.53	267.0	150.6	-.65	214.4	8570.2	16.2
36	182.1	-156.4	2.64	-1.68	268.4	152.1	-.57	216.8	7953.0	15.6
37	182.0	-156.0	2.79	-1.82	269.5	154.4	-.66	219.3	7474.7	15.4
38	181.7	-155.8	2.95	-1.97	270.5	156.3	-.78	221.7	7009.6	15.7
39	181.2	-155.3	3.11	-2.13	271.4	158.1	-.84	223.9	6562.2	15.8
40	182.8	-158.1	3.32	-2.31	272.3	157.3	-.94	225.7	6175.1	15.6
41	182.0	-157.9	3.52	-2.49	272.9	158.8	-.96	227.6	5777.1	15.5
42	180.8	-157.7	3.73	-2.65	273.7	160.1	-1.03	229.6	5408.1	15.4
43	179.7	-157.5	3.94	-2.82	274.5	161.4	-1.09	231.9	5073.6	15.2
44	178.9	-157.3	4.17	-2.97	275.3	163.3	-1.76	233.2	4761.4	15.1
45	178.1	-157.3	4.42	-3.14	276.0	163.2	-1.54	235.7	4480.8	15.2
46	179.8	-159.4	4.68	-3.32	276.9	161.9	-1.67	238.0	4299.6	15.6
47	179.0	-159.2	4.95	-3.49	277.6	162.1	-1.54	240.6	4068.1	15.7
48	177.9	-159.2	5.22	-3.64	278.4	162.6	-1.66	243.4	3852.8	15.3
49	176.4	-159.1	5.50	-3.79	279.2	163.1	-1.59	245.9	3658.5	15.4
50	175.5	-159.1	5.78	-3.93	279.9	163.4	-1.36	249.1	3482.9	15.2
51	174.0	-159.5	6.07	-4.07	280.4	164.4	-1.42	252.3	3340.1	14.7
52	174.1	-160.7	6.39	-4.21	281.1	163.1	-1.68	253.4	3211.9	14.7
53	173.5	-160.1	6.70	-4.34	281.8	163.5	-2.67	257.3	3056.1	15.4
54	171.8	-160.5	7.03	-4.44	282.4	164.4	-1.81	258.2	2941.7	16.0
55	169.4	-160.6	7.35	-4.55	283.0	164.7	-1.70	259.9	2799.7	15.1
56	168.6	-161.1	7.68	-4.66	283.5	165.0	-1.49	261.2	2700.6	15.1
57	167.9	-161.0	8.03	-4.76	284.0	164.9	-2.10	263.2	2607.9	15.3

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
58	167.3	-160.7	8.38	-4.85	284.3	164.7	-2.99	263.7	2508.2	15.8
59	164.6	-160.9	8.74	-4.92	284.8	165.4	-1.94	264.8	2421.4	16.5
60	164.2	-162.8	9.13	-5.00	285.2	165.3	-2.26	265.7	2336.0	15.7
61	164.1	-162.9	9.52	-5.08	285.5	165.4	-2.37	264.9	2269.2	16.2
62	163.1	-162.6	9.92	-5.14	285.7	165.1	-3.27	266.9	2186.7	16.6
63	161.2	-162.8	10.33	-5.20	285.8	165.1	-2.20	266.3	2125.3	16.3
64	160.4	-163.1	10.76	-5.26	286.1	165.3	-2.82	265.6	2049.6	16.8
65	159.7	-162.9	11.20	-5.31	286.2	164.3	-3.63	278.6	1978.6	17.5
1	99.0	99.0	99.00	99.00	99.0	99.0	-3.56	282.4	99.0	99.0
2	99.0	99.0	99.00	99.00	99.0	99.0	-3.56	282.2	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-3.56	282.2	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-3.56	282.1	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-3.56	282.1	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-3.56	282.1	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-3.56	282.1	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-3.56	282.1	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-3.56	282.0	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-3.56	282.0	99.0	99.0
15	99.0	99.0	99.00	99.00	99.0	99.0	-3.56	281.9	99.0	99.0
21	99.0	99.0	99.00	99.00	99.0	99.0	-3.56	281.8	99.0	99.0
27	99.0	99.0	99.00	99.00	99.0	99.0	-3.56	281.9	99.0	99.0
32	99.0	99.0	99.00	99.00	99.0	99.0	-3.56	281.8	99.0	99.0
66	158.2	-163.7	11.40	-5.35	289.2	164.7	-2.78	270.4	1950.6	18.1
67	157.1	-163.6	11.95	-5.39	289.6	164.7	-3.09	270.2	1872.7	16.5
68	154.1	-161.8	12.42	-5.40	289.0	165.8	-3.61	267.7	1807.5	17.0
69	152.8	-162.1	12.95	-5.42	288.5	165.9	-3.58	267.2	1747.7	18.2
70	150.7	-162.2	13.48	-5.44	288.2	165.6	-3.59	266.5	1684.5	18.4
71	149.0	-162.1	14.04	-5.46	287.8	165.5	-3.51	265.6	1626.5	18.8
72	147.2	-162.2	14.62	-5.49	287.6	165.2	-3.24	264.8	1566.4	19.2
73	145.5	-161.9	15.23	-5.52	287.4	164.9	-3.71	265.0	1513.3	19.8
74	143.7	-161.9	15.88	-5.55	287.3	164.5	-3.86	265.5	1446.8	19.5
75	140.9	-161.9	16.56	-5.58	287.3	164.3	-2.66	265.7	1396.2	20.1
76	138.2	-162.4	17.29	-5.65	287.1	163.5	-2.92	263.3	1332.4	20.7
77	137.2	-162.0	18.07	-5.72	287.1	163.0	-3.89	263.1	1288.6	21.3
78	134.8	-162.1	18.93	-5.75	287.1	163.2	-2.94	262.2	1231.1	21.4
79	131.8	-162.3	19.86	-5.85	286.8	162.6	-3.48	260.4	1166.9	22.4
80	131.0	-162.0	20.91	-5.99	287.0	161.8	-4.10	259.8	1126.2	23.0
81	129.4	-161.3	22.11	-6.24	287.2	160.2	-3.53	259.4	1058.8	23.4
82	126.5	-161.2	23.46	-6.81	287.3	160.2	-5.00	274.2	995.7	25.2

CYCLIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....8G

CORE INCREMENT.....192-200 cm

TEST NUMBER.....TC17

FINAL LATERAL CONSOLIDATION STRESS 63.34 kPa

INDUCED OCR..... 6.00

LOAD ZERO FACTOR..... .26 Kg

TRANSDUCER ZERO FACTOR..... .70 kPa

LVDT ZERO FACTOR.....-1.69 cm

STATIC STRENGTH..... 154.80 kPa

AVE MAX DEV STRESS..... 146.53 kPa

AVE MIN DEV STRESS.....-147.89 kPa

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
1	157.0	-134.7	.49	-.67	17.3	-74.0	-.26	-31.5	26711.6	17.4
2	165.4	-144.0	.73	-.89	14.8	-81.1	-.35	-29.9	20256.8	18.4
3	165.6	-143.3	.93	-1.05	18.7	-78.8	-.42	-24.8	16059.6	17.5
4	164.4	-142.7	1.13	-1.23	23.2	-75.9	-.49	-19.1	13467.5	16.9
5	163.9	-143.1	1.33	-1.42	27.1	-73.7	-.58	-14.3	11458.7	16.5
6	161.6	-142.8	1.54	-1.62	30.5	-70.9	-.67	-9.4	9883.5	16.1
7	160.5	-144.1	1.76	-1.86	33.4	-69.6	-.78	-5.2	8649.1	15.7
8	157.9	-144.2	1.97	-2.08	35.7	-67.5	-.90	-1.1	7643.4	15.3
9	159.4	-146.1	2.21	-2.34	37.8	-66.2	-1.03	2.7	6867.7	15.0
10	158.5	-146.2	2.45	-2.57	39.5	-63.5	-1.51	31.9	6184.5	15.3
1	99.0	99.0	99.00	99.00	99.0	99.0	-1.46	32.4	99.0	99.0
2	99.0	99.0	99.00	99.00	99.0	99.0	-1.46	31.6	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-1.46	31.2	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-1.45	30.7	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-1.45	30.3	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-1.45	30.2	99.0	99.0
14	99.0	99.0	99.00	99.00	99.0	99.0	-1.44	30.1	99.0	99.0
19	99.0	99.0	99.00	99.00	99.0	99.0	-1.44	30.0	99.0	99.0
28	99.0	99.0	99.00	99.00	99.0	99.0	-1.44	30.2	99.0	99.0
38	99.0	99.0	99.00	99.00	99.0	99.0	-1.42	31.0	99.0	99.0
11	156.4	-143.7	2.60	-2.71	45.5	-59.5	-.93	11.8	5785.9	15.6
12	158.9	-144.9	2.90	-2.94	42.8	-59.8	-1.16	13.9	5266.4	14.1
13	162.5	-148.9	3.23	-3.21	43.6	-62.3	-1.51	17.4	4907.4	13.9
14	161.3	-149.2	3.53	-3.43	44.5	-61.2	-1.49	20.7	4540.4	13.8
15	157.4	-147.5	3.82	-3.60	45.7	-58.3	-1.05	24.9	4201.5	14.0
16	157.1	-147.7	4.13	-3.79	46.9	-58.6	-.87	29.5	3910.8	13.3
17	156.7	-147.0	4.43	-3.96	48.0	-57.8	-1.68	32.0	3655.4	12.9
18	156.0	-147.3	4.73	-4.12	49.0	-57.4	-1.93	34.2	3468.8	13.6
19	154.8	-147.2	5.04	-4.27	49.9	-56.8	-1.65	36.0	3291.0	13.6
20	153.9	-146.9	5.35	-4.41	50.8	-56.5	-2.46	48.7	3121.7	13.4
1	99.0	99.0	99.00	99.00	99.0	99.0	-2.39	49.6	99.0	99.0
2	99.0	99.0	99.00	99.00	99.0	99.0	-2.39	49.2	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-2.39	48.9	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-2.39	48.7	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-2.39	48.6	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-2.39	48.6	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-2.39	48.5	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-2.39	48.4	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-2.39	48.4	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-2.39	48.4	99.0	99.0
15	99.0	99.0	99.00	99.00	99.0	99.0	-2.39	48.3	99.0	99.0
20	99.0	99.0	99.00	99.00	99.0	99.0	-2.39	48.3	99.0	99.0
25	99.0	99.0	99.00	99.00	99.0	99.0	-2.39	48.3	99.0	99.0
30	99.0	99.0	99.00	99.00	99.0	99.0	-2.39	48.2	99.0	99.0
21	151.3	-145.6	5.51	-4.43	53.7	-54.0	-1.25	42.8	3022.3	14.3
22	154.1	-147.8	5.91	-4.59	53.8	-56.5	-1.66	43.2	2925.9	12.7
23	155.0	-148.6	6.27	-4.72	54.1	-57.3	-1.31	42.7	2792.6	12.4
24	153.8	-148.5	6.62	-4.82	54.6	-57.0	-.72	43.6	2684.7	13.1
25	152.1	-149.1	6.97	-4.91	55.4	-56.4	-.72	44.2	2564.1	13.2
26	151.3	-148.6	7.33	-5.00	55.8	-57.0	-2.00	46.0	2466.4	12.5
27	152.2	-150.4	7.72	-5.11	56.2	-58.4	-.74	44.5	2396.6	12.8
28	150.3	-150.8	8.10	-5.17	56.9	-57.9	-.60	45.3	2292.1	13.9
29	149.6	-150.5	8.49	-5.24	57.0	-58.6	-1.89	46.7	2216.9	12.5

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
30	148.6	-151.0	8.89	-5.29	57.5	-58.6	-2.75	53.5	2144.3	13.8
1	99.0	99.0	99.00	99.00	99.0	99.0	-2.67	53.3	99.0	99.0
2	99.0	99.0	99.00	99.00	99.0	99.0	-2.66	53.2	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-2.66	53.1	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-2.66	53.0	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-2.66	53.0	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-2.66	52.8	99.0	99.0
15	99.0	99.0	99.00	99.00	99.0	99.0	-2.66	52.9	99.0	99.0
21	99.0	99.0	99.00	99.00	99.0	99.0	-2.66	52.8	99.0	99.0
27	99.0	99.0	99.00	99.00	99.0	99.0	-2.66	52.8	99.0	99.0
36	99.0	99.0	99.00	99.00	99.0	99.0	-2.66	52.7	99.0	99.0
41	99.0	99.0	99.00	99.00	99.0	99.0	-2.66	52.7	99.0	99.0
47	99.0	99.0	99.00	99.00	99.0	99.0	-2.66	52.7	99.0	99.0
56	99.0	99.0	99.00	99.00	99.0	99.0	-2.66	52.7	99.0	99.0
62	99.0	99.0	99.00	99.00	99.0	99.0	-2.66	52.7	99.0	99.0
31	147.8	-149.2	9.08	-5.25	56.8	-56.6	-.07	47.4	2103.2	14.0
32	146.4	-149.0	9.56	-5.28	58.4	-57.5	-1.79	47.7	2019.4	12.5
33	146.7	-150.4	10.02	-5.30	58.7	-58.1	-.40	47.2	1960.4	14.4
34	145.8	-149.8	10.49	-5.31	58.4	-58.6	-.71	46.5	1892.7	12.3
35	143.5	-150.2	10.95	-5.31	58.8	-58.9	-1.71	47.5	1820.0	14.3
36	142.6	-150.6	11.44	-5.29	59.0	-58.9	.41	46.5	1773.5	14.7
37	141.5	-150.4	11.94	-5.28	58.7	-59.6	-1.19	46.8	1716.9	13.0
38	139.7	-150.6	12.46	-5.26	59.1	-60.0	-1.36	45.7	1653.8	15.0
39	138.2	-151.2	13.01	-5.23	58.5	-60.7	.98	46.0	1607.8	14.5
40	136.4	-150.8	13.57	-5.20	58.8	-61.4	-1.31	46.6	1550.2	13.8
41	134.5	-151.3	14.18	-5.16	59.0	-62.6	-.93	44.7	1492.9	15.7
42	133.2	-151.6	14.81	-5.13	58.5	-63.7	1.41	45.5	1449.4	15.0
43	130.7	-151.4	15.49	-5.08	58.7	-64.7	-.91	45.1	1396.7	15.4
44	128.7	-150.9	16.19	-5.02	58.3	-65.1	.81	45.1	1335.0	16.1
45	127.9	-151.0	16.95	-4.98	58.4	-66.4	.30	45.4	1297.9	15.3
46	123.9	-149.9	17.76	-4.89	58.5	-66.6	.91	46.5	1221.8	16.7
47	121.6	-148.3	18.57	-4.80	58.2	-66.2	.98	44.4	1170.3	16.8
48	121.1	-148.4	19.53	-4.74	57.9	-67.6	2.16	43.9	1130.7	17.1
49	119.3	-147.8	20.60	-4.68	57.7	-68.6	-.27	44.4	1076.8	17.4
50	116.7	-148.3	21.79	-4.60	57.2	-70.4	2.36	42.8	1020.0	19.1
51	115.2	-148.2	23.09	-4.53	57.0	-72.7	1.59	44.4	976.0	18.2
52	110.7	-148.6	24.47	-4.52	56.7	-75.5	-2.00	49.4	910.1	20.4

CYCLIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....8G

CORE INCREMENT.....238-246 cm

TEST NUMBER.....TC13

FINAL LATERAL CONSOLIDATION STRESS 243.75 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR..... .70 Kg

TRANSDUCER ZERO FACTOR..... 1.80 kPa

LVDT ZERO FACTOR.....-1.74 cm

STATIC STRENGTH..... 130.00 kPa

AVE MAX DEV STRESS..... 213.03 kPa

AVE MIN DEV STRESS.....-190.36 kPa

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
1	221.3	-174.2	.57	-.41	67.5	1.3	-.09	55.1	45033.6	25.6
2	227.6	-182.1	1.07	-.96	122.5	25.1	-.31	107.0	21524.8	22.2
3	226.8	-180.4	1.60	-1.55	169.6	43.9	-.58	139.9	13600.0	19.3
4	223.2	-183.1	2.14	-2.24	198.1	51.3	-.81	160.9	9808.5	16.7
5	222.6	-185.7	2.68	-2.90	212.9	57.4	-.88	172.7	7643.2	15.4
6	223.5	-187.0	3.24	-3.54	220.7	60.5	-1.44	178.5	6205.5	13.7
7	220.6	-186.7	3.78	-4.12	225.2	63.9	-1.67	185.6	5233.3	12.6
8	222.5	-193.1	4.38	-4.75	227.8	61.7	-1.08	192.2	4642.9	12.8
9	222.0	-191.8	4.95	-5.26	229.6	64.4	-1.69	192.5	4133.3	12.0
10	219.0	-192.0	5.51	-5.77	230.8	65.1	-2.20	223.8	3697.2	11.9
3	99.0	99.0	99.00	99.00	99.0	99.0	-1.99	231.0	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-1.99	230.8	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-1.99	230.8	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-1.99	230.7	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-1.99	230.6	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-1.99	230.6	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-1.99	230.6	99.0	99.0
11	99.0	99.0	99.00	99.00	99.0	99.0	-1.99	230.6	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	-1.98	230.4	99.0	99.0
27	99.0	99.0	99.00	99.00	99.0	99.0	-1.96	230.8	99.0	99.0
32	99.0	99.0	99.00	99.00	99.0	99.0	-1.96	230.6	99.0	99.0
38	99.0	99.0	99.00	99.00	99.0	99.0	-1.96	230.5	99.0	99.0
11	217.2	-187.5	5.83	-6.01	239.2	72.7	-1.62	209.5	3459.8	11.7
12	225.1	-197.3	6.59	-6.59	236.6	63.6	-2.82	203.2	3254.0	11.2
13	217.7	-193.5	7.20	-6.94	235.6	67.2	-1.70	203.7	2965.8	11.9
14	216.9	-195.8	7.88	-7.37	235.5	65.2	-1.46	205.0	2763.3	11.3
15	214.6	-195.8	8.57	-7.78	235.5	64.8	-1.51	205.6	2566.3	11.7
16	211.4	-195.9	9.29	-8.18	235.7	64.1	-1.07	207.8	2382.0	11.9
17	212.6	-201.0	10.14	-8.74	236.1	58.8	-1.14	207.5	2235.5	12.1
18	208.0	-198.5	10.93	-9.19	236.2	59.3	-3.32	210.3	2070.3	13.0
19	205.9	-198.7	11.81	-9.75	236.5	56.9	-2.45	207.4	1912.5	13.9
20	201.0	-199.7	12.75	-10.43	236.2	55.0	-3.54	230.3	1780.0	15.0
2	99.0	99.0	99.00	99.00	99.0	99.0	-2.63	236.6	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-2.63	236.6	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-2.63	236.7	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-2.63	236.7	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-2.63	236.7	99.0	99.0
12	99.0	99.0	99.00	99.00	99.0	99.0	-2.63	236.7	99.0	99.0
21	99.0	99.0	99.00	99.00	99.0	99.0	-2.63	236.7	99.0	99.0
26	99.0	99.0	99.00	99.00	99.0	99.0	-2.63	236.7	99.0	99.0
31	99.0	99.0	99.00	99.00	99.0	99.0	-2.63	236.7	99.0	99.0
21	199.4	-196.0	13.25	-11.04	242.4	57.6	-4.33	218.1	1696.6	14.6
22	199.9	-201.5	14.75	-12.82	240.6	49.5	-4.91	211.2	1539.9	15.8
23	196.8	-200.5	16.20	-18.63	239.0	50.4	-10.59	206.9	1285.7	20.4
24	192.8	-175.7	17.79	-18.73	237.3	82.6	-9.61	202.8	1112.3	23.0
25	177.3	-165.4	22.91	-18.79	236.7	89.6	-4.57	228.9	936.5	27.4

CYCLIC ISOTROPICALLY CONSOLIDATED-UNDRAINED
TRIAXIAL TEST

CRUISE.....KK1-81-HW

CORE NUMBER.....8G

CORE INCREMENT.....286-294 cm

TEST NUMBER.....TC14

FINAL LATERAL CONSOLIDATION STRESS 243.17 kPa

INDUCED OCR..... 1.00

LOAD ZERO FACTOR..... 1.15 Kg

TRANSDUCER ZERO FACTOR..... 2.20 kPa

LVDT ZERO FACTOR.....-1.60 cm

STATIC STRENGTH..... 130.00 kPa

AVE MAX DEV STRESS..... 206.96 kPa

AVE MIN DEV STRESS.....-115.21 kPa

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
1	.1	-.2	0.00	0.00	2.2	2.2	.00	2.3	0.0	-.0
2	229.0	-115.7	.58	.01	102.9	15.6	.11	63.8	68006.0	33.1
3	229.5	-117.5	.84	.02	132.0	59.7	.16	92.4	49696.3	26.7
4	227.9	-117.0	1.07	.02	153.1	77.7	.21	112.1	34930.9	22.9
5	227.9	-116.0	1.30	.01	168.4	91.0	.23	125.8	28480.9	22.2
6	229.0	-116.5	1.56	-.04	179.9	100.5	.24	137.1	23181.2	21.6
7	227.9	-115.3	1.82	-.10	189.4	109.1	.22	144.5	19005.3	20.9
8	226.6	-114.6	2.08	-.18	196.8	115.8	.22	151.8	15576.3	19.6
9	227.2	-117.5	2.38	-.31	202.7	119.0	.16	157.1	13477.4	19.6
10	223.7	-116.1	2.97	-.43	211.5	124.1	2.89	193.8	10476.4	32.3
1	99.0	99.0	99.00	99.00	99.0	99.0	-.14	184.7	99.0	99.0
2	99.0	99.0	99.00	99.00	99.0	99.0	-.13	182.7	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-.13	182.4	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-.13	182.1	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-.13	182.1	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-.13	182.1	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-.13	182.1	99.0	99.0
8	99.0	99.0	99.00	99.00	99.0	99.0	-.13	182.2	99.0	99.0
9	99.0	99.0	99.00	99.00	99.0	99.0	-.13	182.2	99.0	99.0
10	99.0	99.0	99.00	99.00	99.0	99.0	-.13	182.3	99.0	99.0
16	99.0	99.0	99.00	99.00	99.0	99.0	-.13	182.5	99.0	99.0
23	99.0	99.0	99.00	99.00	99.0	99.0	-.13	182.7	99.0	99.0
31	99.0	99.0	99.00	99.00	99.0	99.0	-.13	182.9	99.0	99.0
11	220.7	-114.2	3.22	-.68	218.3	134.8	.03	173.3	8979.2	19.5
12	221.5	-114.0	3.57	-.83	219.2	136.7	-.02	175.8	7802.7	17.9
13	225.1	-117.7	3.98	-1.06	220.9	135.1	-.05	177.5	6935.2	17.2
14	223.7	-117.6	4.38	-1.25	222.3	137.1	-.19	179.8	6176.3	17.1
15	223.6	-117.1	4.82	-1.43	223.7	139.3	-.29	182.0	5567.6	17.2
16	222.4	-117.7	5.27	-1.63	224.9	140.3	-.54	182.4	5052.7	17.4
17	221.6	-117.7	5.76	-1.80	226.0	142.0	-.89	183.5	4622.0	17.8
18	220.1	-119.7	6.29	-2.01	227.0	141.7	-1.14	184.8	4240.0	18.0
19	218.8	-119.5	6.84	-2.17	227.8	143.1	-.79	187.1	3839.0	17.4
20	217.2	-119.1	7.40	-2.29	228.4	144.9	-1.42	210.9	3559.6	17.2
1	99.0	99.0	99.00	99.00	99.0	99.0	-1.40	212.8	99.0	99.0
2	99.0	99.0	99.00	99.00	99.0	99.0	-1.40	212.8	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-1.40	212.8	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-1.40	212.7	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-1.40	212.8	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-1.40	212.8	99.0	99.0
13	99.0	99.0	99.00	99.00	99.0	99.0	-1.40	212.8	99.0	99.0
24	99.0	99.0	99.00	99.00	99.0	99.0	-1.40	212.8	99.0	99.0
31	99.0	99.0	99.00	99.00	99.0	99.0	-1.40	212.8	99.0	99.0
21	214.1	-118.6	7.07	-2.47	233.1	149.8	-1.53	191.6	3311.9	18.1
22	211.7	-118.1	8.54	-2.56	231.5	149.4	-1.63	190.9	3023.7	18.0
23	210.5	-118.8	9.21	-2.63	231.4	148.8	-.81	192.6	2836.3	17.6
24	212.7	-121.6	9.98	-2.72	231.5	146.8	-.30	192.6	2695.1	17.1
25	209.3	-121.3	10.78	-2.73	231.8	146.7	-.61	192.1	2500.1	17.7
26	207.6	-121.3	11.64	-2.69	231.8	146.6	-.07	192.6	2352.4	17.8
27	203.3	-121.0	12.56	-2.61	232.0	145.9	-1.22	191.0	2207.9	18.7
28	200.4	-121.3	13.58	-2.47	232.0	144.9	-1.42	190.3	2067.9	19.1
29	196.8	-122.2	14.72	-2.27	232.1	143.7	-.98	189.7	1938.9	19.8
30	193.6	-123.5	16.03	-1.98	232.3	141.6	-1.11	210.1	1816.2	20.7
1	99.0	99.0	99.00	99.00	99.0	99.0	-1.10	211.9	99.0	99.0

CYCLE # OR TIME	MAX DEV (kPa)	MIN DEV (kPa)	MAX STRN (%)	MIN STRN (%)	MAX DELU (kPa)	MIN DELU (kPa)	NET STRN (%)	NET DELU (kPa)	E (kPa)	D (%)
2	99.0	99.0	99.00	99.00	99.0	99.0	-1.10	212.3	99.0	99.0
3	99.0	99.0	99.00	99.00	99.0	99.0	-1.10	212.6	99.0	99.0
4	99.0	99.0	99.00	99.00	99.0	99.0	-1.10	212.7	99.0	99.0
5	99.0	99.0	99.00	99.00	99.0	99.0	-1.10	212.8	99.0	99.0
6	99.0	99.0	99.00	99.00	99.0	99.0	-1.10	212.9	99.0	99.0
7	99.0	99.0	99.00	99.00	99.0	99.0	-1.10	213.0	99.0	99.0
12	99.0	99.0	99.00	99.00	99.0	99.0	-1.09	213.3	99.0	99.0
22	99.0	99.0	99.00	99.00	99.0	99.0	-1.10	213.7	99.0	99.0
27	99.0	99.0	99.00	99.00	99.0	99.0	-1.10	213.8	99.0	99.0
35	99.0	99.0	99.00	99.00	99.0	99.0	-1.09	214.0	99.0	99.0
43	99.0	99.0	99.00	99.00	99.0	99.0	-1.10	214.1	99.0	99.0
49	99.0	99.0	99.00	99.00	99.0	99.0	-1.10	214.2	99.0	99.0
31	191.5	-125.5	17.39	-1.64	236.2	143.6	1.59	195.2	1728.6	21.5
32	181.6	-123.4	19.25	-.75	233.7	141.4	1.18	192.3	1562.9	22.7
33	176.2	-122.2	21.37	.43	233.5	139.6	2.35	191.6	1502.9	22.9
34	163.5	-117.8	23.51	1.98	233.1	141.2	2.59	204.6	1357.1	25.7