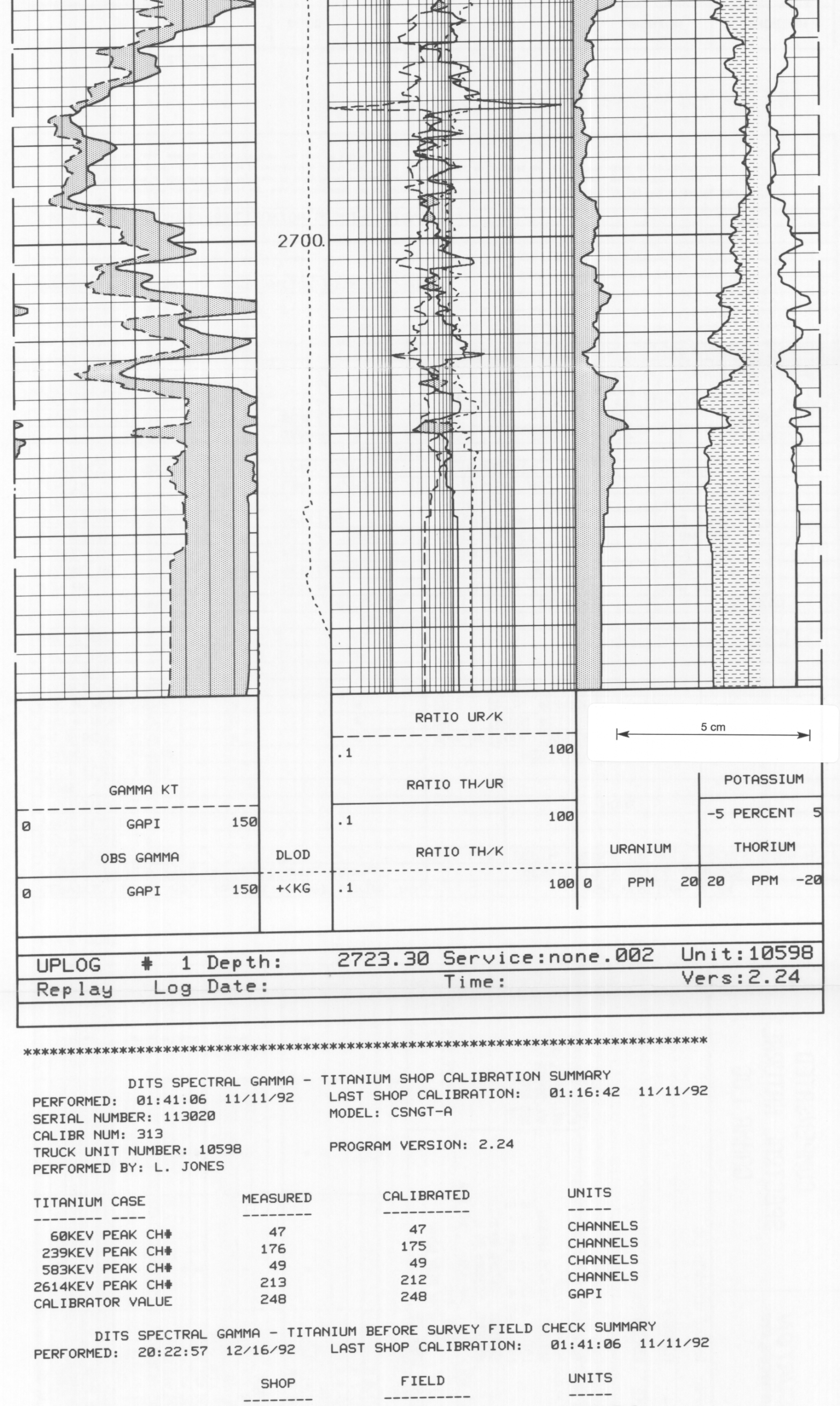
```
UPLOG    # 2 Depth:    2725.30 Service:none.002   Unit:10598
Replay   Log Date:               Time:              Vers:2.24
```

1:200 REPEAT SECTION



```
UPLOG    # 1 Depth:    2723.30 Service:none.002   Unit:10598
Replay   Log Date:               Time:              Vers:2.24
```

```
********************************************************************************

          DITS SPECTRAL GAMMA - TITANIUM SHOP CALIBRATION SUMMARY
PERFORMED:  01:41:06  11/11/92    LAST SHOP CALIBRATION:   01:16:42  11/11/92
SERIAL NUMBER: 113020             MODEL: CSNGT-A
CALIBR NUM: 313
TRUCK UNIT NUMBER: 10598          PROGRAM VERSION: 2.24
PERFORMED BY: L. JONES

TITANIUM CASE          MEASURED       CALIBRATED        UNITS
-------- ----          --------       ----------        -----
  60KEV PEAK CH#          47              47            CHANNELS
 239KEV PEAK CH#         176             175            CHANNELS
 583KEV PEAK CH#          49              49            CHANNELS
2614KEV PEAK CH#         213             212            CHANNELS
CALIBRATOR VALUE         248             248            GAPI

      DITS SPECTRAL GAMMA - TITANIUM BEFORE SURVEY FIELD CHECK SUMMARY
PERFORMED:  20:22:57  12/16/92    LAST SHOP CALIBRATION:   01:41:06  11/11/92

                           SHOP           FIELD         UNITS
                         --------       ----------      -----
  60KEV PEAK CH#          47              47            CHANNELS
 239KEV PEAK CH#         175             177            CHANNELS
 583KEV PEAK CH#          49              49            CHANNELS
2614KEV PEAK CH#         212             213            CHANNELS
CALIBRATOR VALUE         248             251            GAPI

      DITS SPECTRAL GAMMA - TITANIUM AFTER SURVEY FIELD CHECK SUMMARY
PERFORMED:  08:12:03  12/19/92    LAST SHOP CALIBRATION:   01:41:06  11/11/92

                          BEFORE          AFTER         UNITS
                         --------       ----------      -----
  60KEV PEAK CH#          47              47            CHANNELS
 239KEV PEAK CH#         177             175            CHANNELS
 583KEV PEAK CH#          49              50            CHANNELS
2614KEV PEAK CH#         213             213            CHANNELS
CALIBRATOR VALUE         251             248            GAPI

                     PLS-II CALIBRATION SUMMARY TABLE
                  ----------------------------------

  SERVICE or SIGNAL          SHOP      BEFORE     AFTER     CHANGE   TOLERANCE
------------------------  ---------  ---------  ---------  --------  ---------
CSNG                        248.47     251.84     248.05     -3.79    +/-9.0
```

PLS-II FILTER & DELAY SUMMARY

```
                      FILTER & DELAY SUMMARY

                   DATE: 20-DEC-1992 08:14:15

           FILTER LENGTH AND DELAY ARE IN METERS

                                                 FILTER              FILTER
 MNEM    TOOL          DESCRIPTION               LENGTH     DELAY     TYPE
------  ------  ------------------------------  --------  --------  --------
TENS    DITSHD  CABLE TENSION                     0.000     0.000   BLOCK
MAGMRK  DITSHD  DEPTH PANEL MAGNETIC MARK         0.000     0.000   NONE
DLOD    CH_TEN  CABLE HEAD TENSION                0.000     0.000   BLOCK
BHTEMP  CH_TEN  CH BORE HOLE TEMPERATURE          0.000     0.000   BLOCK
PLOC    CH_TEN  CABLE HEAD PAD LOCATOR            0.000     0.000   BLOCK
W2_V    DSTU    AUXILLARY POWER VOLTAGE           0.000     0.000   NONE
W5_V    DSTU    INSTRUMENT POWER VOLTAGE          0.000     0.000   NONE
DSTEMP  DSTU    DSTU TEMPERATURE (F)              1.220     0.000   BLOCK
RGR     GAMMA   NATURAL GAMMA RAY                 0.492    14.025   BLOCK
WIN1H   CSNG_T  CSNG WINDOW HIGH 1                0.381     9.933   BLOCK
WIN2H   CSNG_T  CSNG WINDOW HIGH 2                0.381     9.933   BLOCK
WIN3H   CSNG_T  CSNG WINDOW HIGH 3                0.381     9.933   BLOCK
WIN4H   CSNG_T  CSNG WINDOW HIGH 4                0.381     9.933   BLOCK
WIN5H   CSNG_T  CSNG WINDOW HIGH 5                0.381     9.933   BLOCK
WIN6H   CSNG_T  CSNG WINDOW HIGH 6                0.381     9.933   BLOCK
WIN7H   CSNG_T  CSNG WINDOW HIGH 7                0.381     9.933   BLOCK
WIN8H   CSNG_T  CSNG WINDOW HIGH 8                0.381     9.933   BLOCK
WIN9H   CSNG_T  CSNG WINDOW HIGH 9                0.381     9.933   BLOCK
WIN10H  CSNG_T  CSNG WINDOW HIGH 10               0.381     9.933   BLOCK
WIN11H  CSNG_T  CSNG WINDOW HIGH 11               0.381     9.933   BLOCK
WIN12H  CSNG_T  CSNG WINDOW HIGH 12               0.381     9.933   BLOCK
WIN13H  CSNG_T  CSNG WINDOW HIGH 13               0.381     9.933   BLOCK
WIN1L1  CSNG_T  CSNG WINDOW LITHOLOGY 1           0.381     9.933   BLOCK
WIN1L2  CSNG_T  CSNG WINDOW LITHOLOGY 2           0.381     9.933   BLOCK
WIN1L3  CSNG_T  CSNG WINDOW LITHOLOGY 3           0.381     9.933   BLOCK
WIN1CA  CSNG_T  CSNG WINDOW CASING 1              0.381     9.933   BLOCK
WIN2CA  CSNG_T  CSNG WINDOW CASING 2              0.381     9.933   BLOCK
RGRBLK  CSNG_T  RAW GAMMA - BLOCK FILTER          0.686     9.932   BLOCK
RGRDYN  CSNG_T  RAW GAMMA - DYNAMIC FILTER        0.381     9.932   BLOCK
SNOISE  CSNG_T  SPECTRAL NOISE                    0.381     9.932   BLOCK
STAB    CSNG_T  CSNG STABILIZER                   0.381     9.932   BLOCK
AMER    CSNG_T  AMERICIUM COUNTS                  0.381     9.932   BLOCK
SPECHI  CSNG_T  CSNG HIGH ENERGY SPECTRUM SUM     0.000     9.932   NONE
SPECLO  CSNG_T  CSNG LOW ENERGY SPECTRUM SUM      0.000     9.932   NONE
LSPEED  CSNG_T  LINE SPEED                        0.000     0.000   NONE
SW_POS  CSNG_T  SWITCH POSITION                   0.000     9.932   NONE
FRMCNT  CSNG_T  CSNG SPECTRAL FRAME COUNTER       0.000     9.932   NONE
C_TIME  CSNG_T  ACCUMULATION TIME                 0.000     9.932   NONE
STAB_F  CSNG_T  CSNG STABILIZER (FIXED)           0.000     9.932   NONE
AMER_F  CSNG_T  AMERICIUM COUNTS (FIXED)          0.000     9.932   NONE
CCL     CSNG_T  CSNG CCL INPUT                    0.000     0.000   NONE
NDSN    DSN_II  DSN II NEAR SPACED COUNTS         0.410     6.549   BLOCK
FDSN    DSN_II  DSN II FAR SPACED COUNTS          0.082     6.701   BLOCK
SDENS   SDL8    SDL SHORT SPACED DENSITY          0.530     1.114   BLOCK
SBART   SDL8    SDL SHORT SPACE BARITE            0.530     1.114   BLOCK
SLITH   SDL8    SDL SHORT SPACED LITHOLOGY        0.530     1.114   BLOCK
CESHI   SDL8    SDL SHORT SPACED CESIUM HI        0.530     1.114   BLOCK
CESLO   SDL8    SDL SHORT SPACE CESIUM LO         0.530     1.114   BLOCK
LDENS   SDL8    SDL LONG SPACED DENSITY           0.380     1.215   BLOCK
LBART   SDL8    SDL LONG SPACED BARITE            0.380     1.215   BLOCK
PELBAR  SDL8    PE LONG SPACED BARITE             0.380     1.340   BLOCK
PELDEN  SDL8    PE LONG SPACED DENSITY            0.380     1.340   BLOCK
LLITH   SDL8    SDL LONG SPACED LITHOLOGY         0.380     1.215   BLOCK
CELHI   SDL8    SDL LONG SPACED CESIUM HIGH       0.380     1.215   BLOCK
CELLO   SDL8    SDL LONG SPACED CESIUM LOW        0.380     1.215   BLOCK
SBARTU  SDL8    SDL SHORT SPACE BARITE            0.000     1.114   NONE
SDENSU  SDL8    SDL SHORT SPACED DENSITY          0.000     1.114   NONE
SLITHU  SDL8    SDL SHORT SPACED LITHOLOGY        0.000     1.114   NONE
CALIP   CALI_1  SDL PAD CALIPER                   0.381     1.471   BLOCK
```

HLS

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                  PLS-II TOOL STRING DIAGRAM

                   20-DEC-1992 08:12:52

      :
     /=\  <----  19.5806 = DITS CABLE HEAD LOAD CELL
    /   \
    :   :
    +===+ <----  18.0406 = TELEMETRY SUB
    :   :
    :   :
    :   :
    :   :
```