

# Direct Penetrating Radiation as Measured by Electrets

New Mexico Environment Department, DOE Oversight Bureau, LANL Oversight Section

Calendar Quarter: Q22011

## 48th Street

149

|               |                     |                      |                     |            |                 |    |
|---------------|---------------------|----------------------|---------------------|------------|-----------------|----|
| SX3835        | 4/3/2011 5:43:00 PM | 7/15/2011 5:11:00 PM | # of Days Deployed: | 103.0      | Voltage Drop:   | 87 |
| TPCorrection: | CalibrationFactor:  | UncorrectedDose:     | DoseRate:           | TotalDose: | Quarterly Dose: |    |
| 1.29          | 1.9                 | 45011.2              | 22.3                | 55.2       | <b>48.9</b>     |    |
| SX3855        | 4/3/2011 5:43:00 PM | 7/15/2011 5:11:00 PM | # of Days Deployed: | 103.0      | Voltage Drop:   | 86 |
| TPCorrection: | CalibrationFactor:  | UncorrectedDose:     | DoseRate:           | TotalDose: | Quarterly Dose: |    |
| 1.29          | 1.9                 | 44518.2              | 22.1                | 54.6       | <b>48.3</b>     |    |
| SX3895        | 4/3/2011 5:43:00 PM | 7/15/2011 5:11:00 PM | # of Days Deployed: | 103.0      | Voltage Drop:   | 87 |
| TPCorrection: | CalibrationFactor:  | UncorrectedDose:     | DoseRate:           | TotalDose: | Quarterly Dose: |    |
| 1.29          | 1.9                 | 45021.0              | 22.3                | 55.2       | <b>48.9</b>     |    |

Result in mRad is the Average of the Values: **48.7** Std of the Values: **0.3**

## East Gate

East Gate

|               |                     |                      |                     |            |                 |    |
|---------------|---------------------|----------------------|---------------------|------------|-----------------|----|
| SX3758        | 4/3/2011 2:19:00 PM | 7/15/2011 5:29:00 PM | # of Days Deployed: | 103.1      | Voltage Drop:   | 83 |
| TPCorrection: | CalibrationFactor:  | UncorrectedDose:     | DoseRate:           | TotalDose: | Quarterly Dose: |    |
| 1.28          | 1.9                 | 43163.4              | 21.2                | 52.5       | <b>46.5</b>     |    |
| SX3877        | 4/3/2011 2:19:00 PM | 7/15/2011 5:29:00 PM | # of Days Deployed: | 103.1      | Voltage Drop:   | 83 |
| TPCorrection: | CalibrationFactor:  | UncorrectedDose:     | DoseRate:           | TotalDose: | Quarterly Dose: |    |
| 1.28          | 1.9                 | 44025.6              | 21.7                | 53.7       | <b>47.5</b>     |    |
| SX3893        | 4/3/2011 2:19:00 PM | 7/15/2011 5:29:00 PM | # of Days Deployed: | 103.1      | Voltage Drop:   | 79 |
| TPCorrection: | CalibrationFactor:  | UncorrectedDose:     | DoseRate:           | TotalDose: | Quarterly Dose: |    |
| 1.28          | 1.9                 | 41653.7              | 20.4                | 50.6       | <b>44.8</b>     |    |

Result in mRad is the Average of the Values: **46.2** Std of the Values: **1.1**

## East Gate HPIC Tower

East Gate HPIC Tower

|               |                     |                      |                     |            |                 |    |
|---------------|---------------------|----------------------|---------------------|------------|-----------------|----|
| ST2305        | 4/3/2011 2:37:00 PM | 7/15/2011 5:37:00 PM | # of Days Deployed: | 103.1      | Voltage Drop:   | 77 |
| TPCorrection: | CalibrationFactor:  | UncorrectedDose:     | DoseRate:           | TotalDose: | Quarterly Dose: |    |
| 1.28          | 1.8                 | 42158.7              | 20.7                | 51.2       | <b>45.3</b>     |    |
| SU7090        | 4/3/2011 2:37:00 PM | 7/15/2011 5:37:00 PM | # of Days Deployed: | 103.1      | Voltage Drop:   | 73 |
| TPCorrection: | CalibrationFactor:  | UncorrectedDose:     | DoseRate:           | TotalDose: | Quarterly Dose: |    |
| 1.28          | 1.8                 | 39745.6              | 19.4                | 48.1       | <b>42.5</b>     |    |
| SX4035        | 4/3/2011 2:37:00 PM | 7/15/2011 5:37:00 PM | # of Days Deployed: | 103.1      | Voltage Drop:   | 78 |
| TPCorrection: | CalibrationFactor:  | UncorrectedDose:     | DoseRate:           | TotalDose: | Quarterly Dose: |    |
| 1.28          | 1.8                 | 42475.6              | 20.8                | 51.6       | <b>45.6</b>     |    |

Result in mRad is the Average of the Values: **44.5** Std of the Values: **1.4**

Los Alamos Airport

114

SX3903 4/3/2011 2:52:00 PM 7/15/2011 10:50:00 AM # of Days Deployed: 102.8 Voltage Drop: 77

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.8 41788.8 20.6 50.9 45.2

SX4042 4/3/2011 2:52:00 PM 7/15/2011 10:50:00 AM # of Days Deployed: 102.8 Voltage Drop: 73

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.8 39618.0 19.5 48.1 42.7

SX4093 4/3/2011 2:52:00 PM 7/15/2011 10:50:00 AM # of Days Deployed: 102.8 Voltage Drop: 74

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.8 40586.7 20.0 49.4 43.8

Result in mRad is the Average of the Values: 43.9 Std of the Values: 1.0

Los Alamos McDonalds

166

ST2423 4/3/2011 4:51:00 PM 7/15/2011 10:31:00 AM # of Days Deployed: 102.7 Voltage Drop: 79

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.9 42096.7 20.9 51.5 45.7

SX3850 4/3/2011 4:51:00 PM 7/15/2011 10:31:00 AM # of Days Deployed: 102.7 Voltage Drop: 83

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.9 44524.5 22.1 54.6 48.5

SX4041 4/3/2011 4:51:00 PM 7/15/2011 10:31:00 AM # of Days Deployed: 102.7 Voltage Drop: 87

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.9 46789.1 23.3 57.5 51.1

Result in mRad is the Average of the Values: 48.4 Std of the Values: 2.2

Nazarene Church

Nazarene Church

SX3767 4/2/2011 6:01:00 PM 7/15/2011 1:03:00 PM # of Days Deployed: 103.8 Voltage Drop: 78

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.26 1.9 40539.9 19.4 48.3 42.5

SX3803 4/2/2011 6:01:00 PM 7/15/2011 1:03:00 PM # of Days Deployed: 103.8 Voltage Drop: 80

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.26 1.9 41560.5 19.9 49.6 43.6

SX3891 4/2/2011 6:01:00 PM 7/15/2011 1:03:00 PM # of Days Deployed: 103.8 Voltage Drop: 81

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.26 1.9 42201.6 20.2 50.4 44.3

Result in mRad is the Average of the Values: 43.5 Std of the Values: 0.8

Northern NM College

Northern NM College

SX3727 4/2/2011 3:29:00 PM 7/14/2011 10:00:00 AM # of Days Deployed: 102.8 Voltage Drop: 73

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.23 1.9 38060.3 17.8 44.0 39.0

Northern NM College

Northern NM College

SX3801 4/2/2011 3:29:00 PM 7/14/2011 10:00:00 AM # of Days Deployed: 102.8 Voltage Drop: 76

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.23 1.9 39582.6 18.6 45.8 40.7

SX3839 4/2/2011 3:29:00 PM 7/14/2011 10:00:00 AM # of Days Deployed: 102.8 Voltage Drop: 79

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.23 1.9 41178.9 19.4 47.8 42.4

Result in mRad is the Average of the Values: 40.7 Std of the Values: 1.4

Royal Crest Trailer Court

151

SX3771 4/3/2011 5:15:00 PM 7/15/2011 12:05:00 PM # of Days Deployed: 102.8 Voltage Drop: 85

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.9 44063.7 21.9 54.0 47.9

SX3837 4/3/2011 5:15:00 PM 7/15/2011 12:05:00 PM # of Days Deployed: 102.8 Voltage Drop: 80

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.9 41457.9 20.5 50.6 44.9

SX3846 4/3/2011 5:15:00 PM 7/15/2011 12:05:00 PM # of Days Deployed: 102.8 Voltage Drop: 80

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.9 41421.3 20.5 50.5 44.9

Result in mRad is the Average of the Values: 45.9 Std of the Values: 1.4

Santa Fe Booster Station

Santa Fe Booster Station

SCW188 4/2/2011 2:34:00 PM 7/14/2011 8:51:00 AM # of Days Deployed: 102.8 Voltage Drop: 64

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.27 1.8 36488.5 17.6 43.5 38.6

SCW257 4/2/2011 2:34:00 PM 7/14/2011 8:51:00 AM # of Days Deployed: 102.8 Voltage Drop: 76

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.27 1.8 42112.5 20.5 50.7 45.0

SFC211 4/2/2011 2:34:00 PM 7/14/2011 8:51:00 AM # of Days Deployed: 102.8 Voltage Drop: 66

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.27 1.8 37060.7 17.9 44.2 39.3

Result in mRad is the Average of the Values: 41.0 Std of the Values: 2.8

Well PM-1

137

SX3809 4/3/2011 2:05:00 PM 7/15/2011 11:17:00 AM # of Days Deployed: 102.9 Voltage Drop: 96

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.26 1.9 51269.6 25.0 61.7 54.7

SX3851 4/3/2011 2:05:00 PM 7/15/2011 11:17:00 AM # of Days Deployed: 102.9 Voltage Drop: 90

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.26 1.9 48123.3 23.4 57.8 51.2

**Well PM-1****137**

SX3854      4/3/2011 2:05:00 PM      7/15/2011 11:17:00 AM      # of Days Deployed: 102.9      Voltage Drop: 93

|               |                    |                  |           |            |                 |
|---------------|--------------------|------------------|-----------|------------|-----------------|
| TPCorrection: | CalibrationFactor: | UncorrectedDose: | DoseRate: | TotalDose: | Quarterly Dose: |
| 1.26          | 1.9                | 49704.9          | 24.2      | 59.7       | <b>53.0</b>     |

**Result in mRad is the Average of the Values:** **53.0**      **Std of the Values:** **1.4**

**White Rock Fire Station****167**

SX3858      4/2/2011 6:21:00 PM      7/15/2011 11:45:00 AM      # of Days Deployed: 103.7      Voltage Drop: 80

|               |                    |                  |           |            |                 |
|---------------|--------------------|------------------|-----------|------------|-----------------|
| TPCorrection: | CalibrationFactor: | UncorrectedDose: | DoseRate: | TotalDose: | Quarterly Dose: |
| 1.26          | 1.9                | 41522.9          | 19.8      | 49.3       | <b>43.4</b>     |

SX3916      4/2/2011 6:21:00 PM      7/15/2011 11:45:00 AM      # of Days Deployed: 103.7      Voltage Drop: 82

|               |                    |                  |           |            |                 |
|---------------|--------------------|------------------|-----------|------------|-----------------|
| TPCorrection: | CalibrationFactor: | UncorrectedDose: | DoseRate: | TotalDose: | Quarterly Dose: |
| 1.26          | 1.9                | 42513.3          | 20.3      | 50.6       | <b>44.5</b>     |

SX3926      4/2/2011 6:21:00 PM      7/15/2011 11:45:00 AM      # of Days Deployed: 103.7      Voltage Drop: 80

|               |                    |                  |           |            |                 |
|---------------|--------------------|------------------|-----------|------------|-----------------|
| TPCorrection: | CalibrationFactor: | UncorrectedDose: | DoseRate: | TotalDose: | Quarterly Dose: |
| 1.26          | 1.9                | 41569.9          | 19.8      | 49.4       | <b>43.4</b>     |

**Result in mRad is the Average of the Values:** **43.8**      **Std of the Values:** **0.5**

Friday, July 15, 2016

2:56:41 PM