

# Direct Penetrating Radiation as Measured by Electrets

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

Calendar Quarter: Q22010

## 48th Street

149

SX3725 4/6/2010 3:42:00 PM 7/8/2010 10:45:00 AM # of Days Deployed: 92.8 Voltage Drop: 83

TPCorrection:	CalibrationFactor:	UncorrectedDose:	DoseRate:	TotalDose:	Quarterly Dose:
1.28	1.9	42960.5	23.5	52.4	<b>51.5</b>

SX3796 4/6/2010 3:42:00 PM 7/8/2010 10:45:00 AM # of Days Deployed: 92.8 Voltage Drop: 82

TPCorrection:	CalibrationFactor:	UncorrectedDose:	DoseRate:	TotalDose:	Quarterly Dose:
1.28	1.9	42532.3	23.3	51.9	<b>51.0</b>

SX3819 4/6/2010 3:42:00 PM 7/8/2010 10:45:00 AM # of Days Deployed: 92.8 Voltage Drop: 82

TPCorrection:	CalibrationFactor:	UncorrectedDose:	DoseRate:	TotalDose:	Quarterly Dose:
1.28	1.9	42658.1	23.4	52.0	<b>51.2</b>

**Result in mRad is the Average of the Values:** **51.2** **Std of the Values:** **0.2**

## East Gate

East Gate

SX3752 4/5/2010 3:06:00 PM 7/8/2010 12:25:00 PM # of Days Deployed: 93.9 Voltage Drop: 71

TPCorrection:	CalibrationFactor:	UncorrectedDose:	DoseRate:	TotalDose:	Quarterly Dose:
1.27	1.8	39614.1	21.2	47.8	<b>46.5</b>

SX3820 4/5/2010 3:06:00 PM 7/8/2010 12:25:00 PM # of Days Deployed: 93.9 Voltage Drop: 71

TPCorrection:	CalibrationFactor:	UncorrectedDose:	DoseRate:	TotalDose:	Quarterly Dose:
1.27	1.8	39669.1	21.2	47.9	<b>46.5</b>

SX3907 4/5/2010 3:06:00 PM 7/8/2010 12:25:00 PM # of Days Deployed: 93.9 Voltage Drop: 72

TPCorrection:	CalibrationFactor:	UncorrectedDose:	DoseRate:	TotalDose:	Quarterly Dose:
1.27	1.8	40237.2	21.6	48.6	<b>47.2</b>

**Result in mRad is the Average of the Values:** **46.7** **Std of the Values:** **0.3**

## East Gate HPIC Tower

East Gate HPIC Tower

SCW185 4/5/2010 3:13:00 PM 7/8/2010 12:35:00 PM # of Days Deployed: 93.9 Voltage Drop: 73

TPCorrection:	CalibrationFactor:	UncorrectedDose:	DoseRate:	TotalDose:	Quarterly Dose:
1.27	1.9	38541.3	20.6	46.4	<b>45.0</b>

SCW188 4/5/2010 3:13:00 PM 7/8/2010 12:35:00 PM # of Days Deployed: 93.9 Voltage Drop: 68

TPCorrection:	CalibrationFactor:	UncorrectedDose:	DoseRate:	TotalDose:	Quarterly Dose:
1.27	1.9	35424.3	18.8	42.4	<b>41.2</b>

SCW276 4/5/2010 3:13:00 PM 7/8/2010 12:35:00 PM # of Days Deployed: 93.9 Voltage Drop: 73

TPCorrection:	CalibrationFactor:	UncorrectedDose:	DoseRate:	TotalDose:	Quarterly Dose:
1.27	1.9	38389.9	20.5	46.2	<b>44.9</b>

**Result in mRad is the Average of the Values:** **43.7** **Std of the Values:** **1.8**

Los Alamos Airport

114

SX3775 4/5/2010 2:53:00 PM 7/8/2010 12:13:00 PM # of Days Deployed: 93.9 Voltage Drop: 69

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.9 36400.3 19.6 44.3 43.0

SX3845 4/5/2010 2:53:00 PM 7/8/2010 12:13:00 PM # of Days Deployed: 93.9 Voltage Drop: 67

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.9 35317.2 19.0 42.9 41.7

SX3876 4/5/2010 2:53:00 PM 7/8/2010 12:13:00 PM # of Days Deployed: 93.9 Voltage Drop: 69

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.9 36518.4 19.7 44.4 43.2

Result in mRad is the Average of the Values: 42.6 Std of the Values: 0.7

Los Alamos McDonalds

166

SCW225 4/5/2010 2:38:00 PM 7/8/2010 11:44:00 AM # of Days Deployed: 93.9 Voltage Drop: 73

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.9 38142.1 20.7 46.6 45.3

SCW346 4/5/2010 2:38:00 PM 7/8/2010 11:44:00 AM # of Days Deployed: 93.9 Voltage Drop: 73

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.9 38282.9 20.7 46.7 45.4

SFC130 4/5/2010 2:38:00 PM 7/8/2010 11:44:00 AM # of Days Deployed: 93.9 Voltage Drop: 76

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.9 40077.2 21.8 49.1 47.7

Result in mRad is the Average of the Values: 46.1 Std of the Values: 1.1

Nazarene Church

Nazarene Church

SX3768 4/6/2010 3:45:00 PM 7/8/2010 1:10:00 PM # of Days Deployed: 92.9 Voltage Drop: 65

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.25 1.9 33629.1 17.7 39.4 38.7

SX3804 4/6/2010 3:45:00 PM 7/8/2010 1:10:00 PM # of Days Deployed: 92.9 Voltage Drop: 70

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.25 1.9 36332.5 19.2 42.8 42.0

SX3862 4/6/2010 3:45:00 PM 7/8/2010 1:10:00 PM # of Days Deployed: 92.9 Voltage Drop: 66

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.25 1.9 34287.4 18.0 40.2 39.5

Result in mRad is the Average of the Values: 40.1 Std of the Values: 1.4

Northern NM College

Northern NM College

SX3766 4/5/2010 9:43:00 AM 7/8/2010 3:33:00 PM # of Days Deployed: 94.2 Voltage Drop: 58

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.21 1.9 29870.4 14.9 33.6 32.5

Northern NM College

Northern NM College

SX3783 4/5/2010 9:43:00 AM 7/8/2010 3:33:00 PM # of Days Deployed: 94.2 Voltage Drop: 64

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.21 1.9 33500.7 16.8 38.0 36.8

SZ9146 4/5/2010 9:43:00 AM 7/8/2010 3:33:00 PM # of Days Deployed: 94.2 Voltage Drop: 70

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.21 1.9 36788.6 18.6 42.0 40.6

Result in mRad is the Average of the Values: 36.7 Std of the Values: 3.3

Pueblo above SR-502 E060

Pueblo above SR-502 E060

SX3723 4/5/2010 3:30:00 PM 7/8/2010 6:00:00 PM # of Days Deployed: 94.1 Voltage Drop: 96

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.25 1.9 50732.2 26.8 60.6 58.8

SX3768 4/5/2010 3:30:00 PM 7/8/2010 6:00:00 PM # of Days Deployed: 94.1 Voltage Drop: 93

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.25 1.9 48882.5 25.8 58.3 56.6

SX3847 4/5/2010 3:30:00 PM 7/8/2010 6:00:00 PM # of Days Deployed: 94.1 Voltage Drop: 89

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.25 1.9 46006.0 24.2 54.7 53.1

Result in mRad is the Average of the Values: 56.1 Std of the Values: 2.3

Royal Crest Trailer Court

151

SX3743 4/6/2010 4:39:00 PM 7/8/2010 1:47:00 PM # of Days Deployed: 92.9 Voltage Drop: 72

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.9 37320.4 20.4 45.6 44.8

SX3815 4/6/2010 4:39:00 PM 7/8/2010 1:47:00 PM # of Days Deployed: 92.9 Voltage Drop: 73

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.9 37776.3 20.7 46.2 45.4

SX3914 4/6/2010 4:39:00 PM 7/8/2010 1:47:00 PM # of Days Deployed: 92.9 Voltage Drop: 77

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.29 1.9 39916.6 22.0 48.9 48.1

Result in mRad is the Average of the Values: 46.1 Std of the Values: 1.4

Santa Fe Booster Station

Santa Fe Booster Station

SCW257 4/5/2010 8:40:00 AM 7/9/2010 1:15:00 PM # of Days Deployed: 95.2 Voltage Drop: 69

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.27 1.9 35451.5 18.5 42.4 40.6

SFC211 4/5/2010 8:40:00 AM 7/9/2010 1:15:00 PM # of Days Deployed: 95.2 Voltage Drop: 68

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.27 1.9 35247.1 18.4 42.1 40.4

Santa Fe Booster Station

Santa Fe Booster Station

SX3866 4/5/2010 8:40:00 AM 7/9/2010 1:15:00 PM # of Days Deployed: 95.2 Voltage Drop: 64

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.27 1.9 33971.3 17.7 40.5 38.8

SX3927 4/5/2010 8:40:00 AM 7/9/2010 1:15:00 PM # of Days Deployed: 95.2 Voltage Drop: 60

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.27 1.9 31656.7 16.4 37.5 36.0

SX4094 4/5/2010 8:40:00 AM 7/9/2010 1:15:00 PM # of Days Deployed: 95.2 Voltage Drop: 64

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.27 1.9 33886.2 17.7 40.4 38.7

Result in mRad is the Average of the Values: 38.9 Std of the Values: 1.6

Well PM-1

137

SX3765 4/6/2010 4:18:00 PM 7/8/2010 1:30:00 PM # of Days Deployed: 92.9 Voltage Drop: 80

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.25 1.9 42076.5 22.5 50.1 49.3

SX3805 4/6/2010 4:18:00 PM 7/8/2010 1:30:00 PM # of Days Deployed: 92.9 Voltage Drop: 81

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.25 1.9 42696.9 22.8 50.9 50.0

SX3849 4/6/2010 4:18:00 PM 7/8/2010 1:30:00 PM # of Days Deployed: 92.9 Voltage Drop: 78

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.25 1.9 41035.2 21.9 48.8 48.0

Result in mRad is the Average of the Values: 49.1 Std of the Values: 0.8

White Rock Fire Station

167

SX3735 4/5/2010 4:03:00 PM 7/8/2010 12:59:00 PM # of Days Deployed: 93.9 Voltage Drop: 62

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.26 1.9 32453.8 17.0 38.2 37.2

SX3780 4/5/2010 4:03:00 PM 7/8/2010 12:59:00 PM # of Days Deployed: 93.9 Voltage Drop: 63

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.26 1.9 32885.6 17.2 38.8 37.7

SX3790 4/5/2010 4:03:00 PM 7/8/2010 12:59:00 PM # of Days Deployed: 93.9 Voltage Drop: 62

TPCorrection: CalibrationFactor: UncorrectedDose: DoseRate: TotalDose: Quarterly Dose:
1.26 1.9 32422.1 16.9 38.2 37.1

Result in mRad is the Average of the Values: 37.3 Std of the Values: 0.3