

ALLEGATO N. 4

PARAMETRI DI SCUOTIMENTO SISMICO

ACCELEROGRAMMI DI OUTPUT

ALLEGATO N. 4

PARAMETRI DI SCUOTIMENTO - ACCELEROGRAMMI DI OUTPUT

RNN_04

ID18745_1

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.270
Time of Max. Acceleration (sec)	12.605
Max. Velocity (cm/sec)	19.352
Time of Max. Velocity (sec)	12.510
Max. Displacement (cm)	3.742
Time of Max. Displacement (sec)	12.625
Vmax / Amax: (sec)	0.123
Acceleration RMS: (g)	0.033
Velocity RMS: (cm/sec)	3.187
Displacement RMS: (cm)	0.753
Arias Intensity: (m/sec)	0.799
Characteristic Intensity (Ic)	0.041
Specific Energy Density (cm2/sec)	487.111
Cumulative Absolute Velocity (cm/sec)	789.307
Acceleration Spectrum Intensity (g*sec)	0.237
Velocity Spectrum Intensity (cm)	88.380
Housner Intensity (cm)	75.655
Sustained Maximum Acceleration (g)	0.214
Sustained Maximum Velocity (cm/sec)	16.062
Effective Design Acceleration (g)	0.268
A95 parameter (g)	0.268
Predominant Period (sec)	0.300
Mean Period (sec)	0.540
Significant Duration:	11.345

ID18745_2

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.222
Time of Max. Acceleration (sec)	3.285
Max. Velocity (cm/sec)	27.789
Time of Max. Velocity (sec)	3.340
Max. Displacement (cm)	7.640
Time of Max. Displacement (sec)	3.625
Vmax / Amax: (sec)	0.128
Acceleration RMS: (g)	0.028
Velocity RMS: (cm/sec)	3.293
Displacement RMS: (cm)	1.452
Arias Intensity: (m/sec)	0.324
Characteristic Intensity (Ic)	0.024
Specific Energy Density (cm2/sec)	290.833
Cumulative Absolute Velocity (cm/sec)	342.560
Acceleration Spectrum Intensity (g*sec)	0.181
Velocity Spectrum Intensity (cm)	95.701
Housner Intensity (cm)	80.295
Sustained Maximum Acceleration (g)	0.174
Sustained Maximum Velocity (cm/sec)	12.604
Effective Design Acceleration (g)	0.221
A95 parameter (g)	0.220
Predominant Period (sec)	0.220
Mean Period (sec)	0.580
Significant Duration:	5.790

ID18745_3

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.300
Time of Max. Acceleration (sec)	11.075
Max. Velocity (cm/sec)	38.396
Time of Max. Velocity (sec)	12.525
Max. Displacement (cm)	13.900
Time of Max. Displacement (sec)	11.075
Vmax / Amax: (sec)	0.130
Acceleration RMS: (g)	0.036
Velocity RMS: (cm/sec)	7.877
Displacement RMS: (cm)	4.728
Arias Intensity: (m/sec)	0.805
Characteristic Intensity (Ic)	0.043
Specific Energy Density (cm2/sec)	2481.191
Cumulative Absolute Velocity (cm/sec)	724.442
Acceleration Spectrum Intensity (g*sec)	0.162
Velocity Spectrum Intensity (cm)	183.149
Housner Intensity (cm)	175.787
Sustained Maximum Acceleration (g)	0.160
Sustained Maximum Velocity (cm/sec)	34.767
Effective Design Acceleration (g)	0.300
A95 parameter (g)	0.298
Predominant Period (sec)	0.540
Mean Period (sec)	1.071
Significant Duration:	10.020

ID18745_4

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.359
Time of Max. Acceleration (sec)	9.180
Max. Velocity (cm/sec)	42.004
Time of Max. Velocity (sec)	9.040
Max. Displacement (cm)	15.132
Time of Max. Displacement (sec)	9.220
Vmax / Amax: (sec)	0.119
Acceleration RMS: (g)	0.044
Velocity RMS: (cm/sec)	4.982
Displacement RMS: (cm)	4.048
Arias Intensity: (m/sec)	1.204
Characteristic Intensity (Ic)	0.059
Specific Energy Density (cm2/sec)	992.211
Cumulative Absolute Velocity (cm/sec)	776.448
Acceleration Spectrum Intensity (g*sec)	0.317
Velocity Spectrum Intensity (cm)	149.302
Housner Intensity (cm)	127.645
Sustained Maximum Acceleration (g)	0.225
Sustained Maximum Velocity (cm/sec)	20.701
Effective Design Acceleration (g)	0.357
A95 parameter (g)	0.353
Predominant Period (sec)	0.380
Mean Period (sec)	0.583
Significant Duration:	7.140

ID18745_5

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.322
Time of Max. Acceleration (sec)	11.525
Max. Velocity (cm/sec)	32.101
Time of Max. Velocity (sec)	11.440
Max. Displacement (cm)	10.166
Time of Max. Displacement (sec)	61.880
Vmax / Amax: (sec)	0.102
Acceleration RMS: (g)	0.024
Velocity RMS: (cm/sec)	3.976
Displacement RMS: (cm)	6.401
Arias Intensity: (m/sec)	0.658
Characteristic Intensity (Ic)	0.032
Specific Energy Density (cm2/sec)	1185.638
Cumulative Absolute Velocity (cm/sec)	640.010
Acceleration Spectrum Intensity (g*sec)	0.301
Velocity Spectrum Intensity (cm)	105.261
Housner Intensity (cm)	101.448
Sustained Maximum Acceleration (g)	0.198
Sustained Maximum Velocity (cm/sec)	19.635
Effective Design Acceleration (g)	0.321
A95 parameter (g)	0.320
Predominant Period (sec)	0.360
Mean Period (sec)	0.649
Significant Duration:	9.030

ID18745_6

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.253
Time of Max. Acceleration (sec)	15.825
Max. Velocity (cm/sec)	27.452
Time of Max. Velocity (sec)	15.760
Max. Displacement (cm)	8.060
Time of Max. Displacement (sec)	19.680
Vmax / Amax: (sec)	0.111
Acceleration RMS: (g)	0.022
Velocity RMS: (cm/sec)	2.511
Displacement RMS: (cm)	3.889
Arias Intensity: (m/sec)	0.572
Characteristic Intensity (Ic)	0.029
Specific Energy Density (cm2/sec)	472.908
Cumulative Absolute Velocity (cm/sec)	594.719
Acceleration Spectrum Intensity (g*sec)	0.260
Velocity Spectrum Intensity (cm)	90.664
Housner Intensity (cm)	76.187
Sustained Maximum Acceleration (g)	0.212
Sustained Maximum Velocity (cm/sec)	14.393
Effective Design Acceleration (g)	0.253
A95 parameter (g)	0.251
Predominant Period (sec)	0.260
Mean Period (sec)	0.501
Significant Duration:	7.505

ID18745_7

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.240
Time of Max. Acceleration (sec)	14.100
Max. Velocity (cm/sec)	15.755
Time of Max. Velocity (sec)	14.010
Max. Displacement (cm)	15.846
Time of Max. Displacement (sec)	131.990
Vmax / Amax: (sec)	0.067
Acceleration RMS: (g)	0.014
Velocity RMS: (cm/sec)	0.946
Displacement RMS: (cm)	6.809
Arias Intensity: (m/sec)	0.409
Characteristic Intensity (Ic)	0.019
Specific Energy Density (cm2/sec)	118.170
Cumulative Absolute Velocity (cm/sec)	521.729
Acceleration Spectrum Intensity (g*sec)	0.198
Velocity Spectrum Intensity (cm)	52.907
Housner Intensity (cm)	33.334
Sustained Maximum Acceleration (g)	0.198
Sustained Maximum Velocity (cm/sec)	8.013
Effective Design Acceleration (g)	0.236
A95 parameter (g)	0.238
Predominant Period (sec)	0.100
Mean Period (sec)	0.291
Significant Duration:	9.390

VALORI MEDI	
Max. Acceleration (g)	0.281
Time of Max. Acceleration (sec)	11.085
Max. Velocity (cm/sec)	28.978
Time of Max. Velocity (sec)	11.232
Max. Displacement (cm)	10.641
Time of Max. Displacement (sec)	35.728
Vmax / Amax: (sec)	0.104
Acceleration RMS: (g)	0.029
Velocity RMS: (cm/sec)	3.825
Displacement RMS: (cm)	4.011
Arias Intensity: (m/sec)	0.681
Characteristic Intensity (Ic)	0.035
Specific Energy Density (cm2/sec)	861.152
Cumulative Absolute Velocity (cm/sec)	627.031
Acceleration Spectrum Intensity (g*sec)	0.237
Velocity Spectrum Intensity (cm)	109.338
Housner Intensity (cm)	95.764
Sustained Maximum Acceleration (g)	0.197
Sustained Maximum Velocity (cm/sec)	18.025
Effective Design Acceleration (g)	0.279
A95 parameter (g)	0.278
Predominant Period (sec)	0.309
Mean Period (sec)	0.602
Significant Duration (sec):	8.603

ALLEGATO N. 4

PARAMETRI DI SCUOTIMENTO - ACCELEROGRAMMI DI OUTPUT

RNN_03

ID18745_1

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.286
Time of Max. Acceleration (sec)	12.690
Max. Velocity (cm/sec)	16.759
Time of Max. Velocity (sec)	12.605
Max. Displacement (cm)	3.730
Time of Max. Displacement (sec)	16.015
Vmax / Amax: (sec)	0.060
Acceleration RMS: (g)	0.031
Velocity RMS: (cm/sec)	3.005
Displacement RMS: (cm)	0.773
Arias Intensity: (m/sec)	0.730
Characteristic Intensity (Ic)	0.039
Specific Energy Density (cm2/sec)	433.120
Cumulative Absolute Velocity (cm/sec)	772.824
Acceleration Spectrum Intensity (g*sec)	0.234
Velocity Spectrum Intensity (cm)	82.461
Housner Intensity (cm)	73.495
Sustained Maximum Acceleration (g)	0.195
Sustained Maximum Velocity (cm/sec)	14.253
Effective Design Acceleration (g)	0.286
A95 parameter (g)	0.284
Predominant Period (sec)	0.300
Mean Period (sec)	0.515
Significant Duration:	13.230

ID18745_2

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.213
Time of Max. Acceleration (sec)	3.365
Max. Velocity (cm/sec)	28.103
Time of Max. Velocity (sec)	3.425
Max. Displacement (cm)	8.192
Time of Max. Displacement (sec)	3.750
Vmax / Amax: (sec)	0.134
Acceleration RMS: (g)	0.026
Velocity RMS: (cm/sec)	3.370
Displacement RMS: (cm)	1.526
Arias Intensity: (m/sec)	0.277
Characteristic Intensity (Ic)	0.022
Specific Energy Density (cm2/sec)	304.674
Cumulative Absolute Velocity (cm/sec)	320.954
Acceleration Spectrum Intensity (g*sec)	0.175
Velocity Spectrum Intensity (cm)	91.183
Housner Intensity (cm)	79.945
Sustained Maximum Acceleration (g)	0.145
Sustained Maximum Velocity (cm/sec)	8.663
Effective Design Acceleration (g)	0.212
A95 parameter (g)	0.212
Predominant Period (sec)	0.280
Mean Period (sec)	0.621
Significant Duration:	5.820

ID18745_3

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.281
Time of Max. Acceleration (sec)	11.165
Max. Velocity (cm/sec)	46.211
Time of Max. Velocity (sec)	11.775
Max. Displacement (cm)	14.925
Time of Max. Displacement (sec)	12.230
Vmax / Amax: (sec)	0.168
Acceleration RMS: (g)	0.034
Velocity RMS: (cm/sec)	8.410
Displacement RMS: (cm)	4.983
Arias Intensity: (m/sec)	0.731
Characteristic Intensity (Ic)	0.040
Specific Energy Density (cm2/sec)	2827.916
Cumulative Absolute Velocity (cm/sec)	700.873
Acceleration Spectrum Intensity (g*sec)	0.154
Velocity Spectrum Intensity (cm)	185.662
Housner Intensity (cm)	185.814
Sustained Maximum Acceleration (g)	0.173
Sustained Maximum Velocity (cm/sec)	28.926
Effective Design Acceleration (g)	0.281
A95 parameter (g)	0.279
Predominant Period (sec)	0.540
Mean Period (sec)	1.216
Significant Duration:	11.005

ID18745_4

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.382
Time of Max. Acceleration (sec)	9.280
Max. Velocity (cm/sec)	47.224
Time of Max. Velocity (sec)	9.140
Max. Displacement (cm)	16.021
Time of Max. Displacement (sec)	9.320
Vmax / Amax: (sec)	0.126
Acceleration RMS: (g)	0.045
Velocity RMS: (cm/sec)	5.340
Displacement RMS: (cm)	4.074
Arias Intensity: (m/sec)	1.232
Characteristic Intensity (Ic)	0.060
Specific Energy Density (cm2/sec)	1,140.102
Cumulative Absolute Velocity (cm/sec)	776.603
Acceleration Spectrum Intensity (g*sec)	0.319
Velocity Spectrum Intensity (cm)	157.435
Housner Intensity (cm)	139.362
Sustained Maximum Acceleration (g)	0.196
Sustained Maximum Velocity (cm/sec)	19.960
Effective Design Acceleration (g)	0.380
A95 parameter (g)	0.377
Predominant Period (sec)	0.400
Mean Period (sec)	0.607
Significant Duration:	6.740

ID18745_5

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.324
Time of Max. Acceleration (sec)	11.610
Max. Velocity (cm/sec)	34.807
Time of Max. Velocity (sec)	11.520
Max. Displacement (cm)	11.036
Time of Max. Displacement (sec)	61.975
Vmax / Amax: (sec)	0.110
Acceleration RMS: (g)	0.024
Velocity RMS: (cm/sec)	4.373
Displacement RMS: (cm)	6.991
Arias Intensity: (m/sec)	0.684
Characteristic Intensity (Ic)	0.033
Specific Energy Density (cm2/sec)	1433.934
Cumulative Absolute Velocity (cm/sec)	676.936
Acceleration Spectrum Intensity (g*sec)	0.297
Velocity Spectrum Intensity (cm)	110.088
Housner Intensity (cm)	110.224
Sustained Maximum Acceleration (g)	0.183
Sustained Maximum Velocity (cm/sec)	21.268
Effective Design Acceleration (g)	0.324
A95 parameter (g)	0.322
Predominant Period (sec)	0.360
Mean Period (sec)	0.717
Significant Duration:	10.680

ID18745_6

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.260
Time of Max. Acceleration (sec)	15.915
Max. Velocity (cm/sec)	26.897
Time of Max. Velocity (sec)	15.845
Max. Displacement (cm)	8.346
Time of Max. Displacement (sec)	19.655
Vmax / Amax: (sec)	0.105
Acceleration RMS: (g)	0.021
Velocity RMS: (cm/sec)	2.579
Displacement RMS: (cm)	3.664
Arias Intensity: (m/sec)	0.495
Characteristic Intensity (Ic)	0.026
Specific Energy Density (cm2/sec)	498.818
Cumulative Absolute Velocity (cm/sec)	563.390
Acceleration Spectrum Intensity (g*sec)	0.248
Velocity Spectrum Intensity (cm)	86.696
Housner Intensity (cm)	76.597
Sustained Maximum Acceleration (g)	0.186
Sustained Maximum Velocity (cm/sec)	13.868
Effective Design Acceleration (g)	0.261
A95 parameter (g)	0.258
Predominant Period (sec)	0.260
Mean Period (sec)	0.540
Significant Duration:	8.615

ID18745_7

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.240
Time of Max. Acceleration (sec)	14.170
Max. Velocity (cm/sec)	14.965
Time of Max. Velocity (sec)	14.090
Max. Displacement (cm)	11.152
Time of Max. Displacement (sec)	39.400
Vmax / Amax: (sec)	0.064
Acceleration RMS: (g)	0.012
Velocity RMS: (cm/sec)	0.907
Displacement RMS: (cm)	6.994
Arias Intensity: (m/sec)	0.314
Characteristic Intensity (Ic)	0.016
Specific Energy Density (cm2/sec)	108.481
Cumulative Absolute Velocity (cm/sec)	435.370
Acceleration Spectrum Intensity (g*sec)	0.197
Velocity Spectrum Intensity (cm)	49.876
Housner Intensity (cm)	32.253
Sustained Maximum Acceleration (g)	0.147
Sustained Maximum Velocity (cm/sec)	7.034
Effective Design Acceleration (g)	0.238
A95 parameter (g)	0.239
Predominant Period (sec)	0.320
Mean Period (sec)	0.329
Significant Duration:	8.250

VALORI MEDI	
Max. Acceleration (g)	0.284
Time of Max. Acceleration (sec)	11.171
Max. Velocity (cm/sec)	30.709
Time of Max. Velocity (sec)	11.200
Max. Displacement (cm)	10.486
Time of Max. Displacement (sec)	23.192
Vmax / Amax: (sec)	0.109
Acceleration RMS: (g)	0.028
Velocity RMS: (cm/sec)	3.998
Displacement RMS: (cm)	4.144
Arias Intensity: (m/sec)	0.638
Characteristic Intensity (Ic)	0.034
Specific Energy Density (cm2/sec)	963.864
Cumulative Absolute Velocity (cm/sec)	606.707
Acceleration Spectrum Intensity (g*sec)	0.232
Velocity Spectrum Intensity (cm)	109.057
Housner Intensity (cm)	99.670
Sustained Maximum Acceleration (g)	0.175
Sustained Maximum Velocity (cm/sec)	16.282
Effective Design Acceleration (g)	0.283
A95 parameter (g)	0.282
Predominant Period (sec)	0.351
Mean Period (sec)	0.649
Significant Duration (sec):	9.191

ALLEGATO N. 4

PARAMETRI DI SCUOTIMENTO - ACCELEROGRAMMI DI OUTPUT

RNN_02

ID18745_1		ID18745_2		ID18745_3		ID18745_4	
Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.273	Max. Acceleration (g)	0.194	Max. Acceleration (g)	0.259	Max. Acceleration (g)	0.314
Time of Max. Acceleration (sec)	12.665	Time of Max. Acceleration (sec)	3.330	Time of Max. Acceleration (sec)	12.910	Time of Max. Acceleration (sec)	9.300
Max. Velocity (cm/sec)	20.123	Max. Velocity (cm/sec)	28.863	Max. Velocity (cm/sec)	54.219	Max. Velocity (cm/sec)	45.538
Time of Max. Velocity (sec)	12.565	Time of Max. Velocity (sec)	3.395	Time of Max. Velocity (sec)	11.565	Time of Max. Velocity (sec)	9.120
Max. Displacement (cm)	4.552	Max. Displacement (cm)	8.644	Max. Displacement (cm)	17.326	Max. Displacement (cm)	18.650
Time of Max. Displacement (sec)	12.685	Time of Max. Displacement (sec)	3.635	Time of Max. Displacement (sec)	12.130	Time of Max. Displacement (sec)	9.340
Vmax / Amax: (sec)	0.075	Vmax / Amax: (sec)	0.152	Vmax / Amax: (sec)	0.213	Vmax / Amax: (sec)	0.148
Acceleration RMS: (g)	0.034	Acceleration RMS: (g)	0.028	Acceleration RMS: (g)	0.042	Acceleration RMS: (g)	0.034
Velocity RMS: (cm/sec)	3.783	Velocity RMS: (cm/sec)	3.887	Velocity RMS: (cm/sec)	10.382	Velocity RMS: (cm/sec)	6.110
Displacement RMS: (cm)	0.857	Displacement RMS: (cm)	1.557	Displacement RMS: (cm)	5.196	Displacement RMS: (cm)	4.123
Arias Intensity: (m/sec)	0.831	Arias Intensity: (m/sec)	0.324	Arias Intensity: (m/sec)	1.078	Arias Intensity: (m/sec)	0.700
Characteristic Intensity (Ic)	0.043	Characteristic Intensity (Ic)	0.024	Characteristic Intensity (Ic)	0.054	Characteristic Intensity (Ic)	0.039
Specific Energy Density (cm2/sec)	686.414	Specific Energy Density (cm2/sec)	405.391	Specific Energy Density (cm2/sec)	4309.544	Specific Energy Density (cm2/sec)	1,492.527
Cumulative Absolute Velocity (cm/sec)	819.767	Cumulative Absolute Velocity (cm/sec)	365.120	Cumulative Absolute Velocity (cm/sec)	842.831	Cumulative Absolute Velocity (cm/sec)	642.445
Acceleration Spectrum Intensity (g*sec)	0.200	Acceleration Spectrum Intensity (g*sec)	0.170	Acceleration Spectrum Intensity (g*sec)	0.134	Acceleration Spectrum Intensity (g*sec)	0.192
Velocity Spectrum Intensity (cm)	102.179	Velocity Spectrum Intensity (cm)	101.518	Velocity Spectrum Intensity (cm)	248.085	Velocity Spectrum Intensity (cm)	166.796
Housner Intensity (cm)	90.821	Housner Intensity (cm)	93.383	Housner Intensity (cm)	240.332	Housner Intensity (cm)	159.339
Sustained Maximum Acceleration (g)	0.163	Sustained Maximum Acceleration (g)	0.164	Sustained Maximum Acceleration (g)	0.167	Sustained Maximum Acceleration (g)	0.144
Sustained Maximum Velocity (cm/sec)	19.472	Sustained Maximum Velocity (cm/sec)	12.231	Sustained Maximum Velocity (cm/sec)	28.425	Sustained Maximum Velocity (cm/sec)	17.369
Effective Design Acceleration (g)	0.273	Effective Design Acceleration (g)	0.193	Effective Design Acceleration (g)	0.259	Effective Design Acceleration (g)	0.314
A95 parameter (g)	0.270	A95 parameter (g)	0.192	A95 parameter (g)	0.258	A95 parameter (g)	0.310
Predominant Period (sec)	0.680	Predominant Period (sec)	0.300	Predominant Period (sec)	0.820	Predominant Period (sec)	0.380
Mean Period (sec)	0.653	Mean Period (sec)	0.723	Mean Period (sec)	1.384	Mean Period (sec)	1.012
Significant Duration:	13.005	Significant Duration:	6.325	Significant Duration:	10.090	Significant Duration:	10.440

ID18745_5		ID18745_6		ID18745_7	
Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.290	Max. Acceleration (g)	0.232	Max. Acceleration (g)	0.219
Time of Max. Acceleration (sec)	11.595	Time of Max. Acceleration (sec)	15.960	Time of Max. Acceleration (sec)	15.150
Max. Velocity (cm/sec)	36.711	Max. Velocity (cm/sec)	31.523	Max. Velocity (cm/sec)	16.352
Time of Max. Velocity (sec)	11.490	Time of Max. Velocity (sec)	15.820	Time of Max. Velocity (sec)	15.050
Max. Displacement (cm)	9.819	Max. Displacement (cm)	8.108	Max. Displacement (cm)	14.540
Time of Max. Displacement (sec)	17.690	Time of Max. Displacement (sec)	15.990	Time of Max. Displacement (sec)	131.990
Vmax / Amax: (sec)	0.129	Vmax / Amax: (sec)	0.138	Vmax / Amax: (sec)	0.076
Acceleration RMS: (g)	0.025	Acceleration RMS: (g)	0.023	Acceleration RMS: (g)	0.013
Velocity RMS: (cm/sec)	4.949	Velocity RMS: (cm/sec)	3.114	Velocity RMS: (cm/sec)	1.115
Displacement RMS: (cm)	6.214	Displacement RMS: (cm)	3.635	Displacement RMS: (cm)	6.304
Arias Intensity: (m/sec)	0.727	Arias Intensity: (m/sec)	0.605	Arias Intensity: (m/sec)	0.348
Characteristic Intensity (Ic)	0.034	Characteristic Intensity (Ic)	0.030	Characteristic Intensity (Ic)	0.017
Specific Energy Density (cm2/sec)	1837.046	Specific Energy Density (cm2/sec)	727.052	Specific Energy Density (cm2/sec)	164.064
Cumulative Absolute Velocity (cm/sec)	707.033	Cumulative Absolute Velocity (cm/sec)	664.376	Cumulative Absolute Velocity (cm/sec)	431.936
Acceleration Spectrum Intensity (g*sec)	0.257	Acceleration Spectrum Intensity (g*sec)	0.225	Acceleration Spectrum Intensity (g*sec)	0.206
Velocity Spectrum Intensity (cm)	136.849	Velocity Spectrum Intensity (cm)	109.818	Velocity Spectrum Intensity (cm)	60.232
Housner Intensity (cm)	137.935	Housner Intensity (cm)	97.406	Housner Intensity (cm)	42.009
Sustained Maximum Acceleration (g)	0.195	Sustained Maximum Acceleration (g)	0.165	Sustained Maximum Acceleration (g)	0.157
Sustained Maximum Velocity (cm/sec)	21.150	Sustained Maximum Velocity (cm/sec)	15.444	Sustained Maximum Velocity (cm/sec)	11.892
Effective Design Acceleration (g)	0.290	Effective Design Acceleration (g)	0.232	Effective Design Acceleration (g)	0.218
A95 parameter (g)	0.288	A95 parameter (g)	0.231	A95 parameter (g)	0.217
Predominant Period (sec)	0.380	Predominant Period (sec)	0.480	Predominant Period (sec)	0.540
Mean Period (sec)	0.917	Mean Period (sec)	0.683	Mean Period (sec)	0.448
Significant Duration:	10.860	Significant Duration:	9.160	Significant Duration:	5.630

VALORI MEDI	
Max. Acceleration (g)	0.254
Time of Max. Acceleration (sec)	11.559
Max. Velocity (cm/sec)	33.333
Time of Max. Velocity (sec)	11.286
Max. Displacement (cm)	11.663
Time of Max. Displacement (sec)	29.066
Vmax / Amax: (sec)	0.133
Acceleration RMS: (g)	0.028
Velocity RMS: (cm/sec)	4.763
Displacement RMS: (cm)	3.984
Arias Intensity: (m/sec)	0.659
Characteristic Intensity (Ic)	0.035
Specific Energy Density (cm2/sec)	1374.577
Cumulative Absolute Velocity (cm/sec)	639.072
Acceleration Spectrum Intensity (g*sec)	0.198
Velocity Spectrum Intensity (cm)	132.211
Housner Intensity (cm)	123.032
Sustained Maximum Acceleration (g)	0.165
Sustained Maximum Velocity (cm/sec)	17.997
Effective Design Acceleration (g)	0.254
A95 parameter (g)	0.252
Predominant Period (sec)	0.511
Mean Period (sec)	0.832
Significant Duration (sec):	9.359

ALLEGATO N. 4

PARAMETRI DI SCUOTIMENTO - ACCELEROGRAMMI DI OUTPUT

RNN_01

ID18745_1		ID18745_2		ID18745_3		ID18745_4	
Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.251	Max. Acceleration (g)	0.219	Max. Acceleration (g)	0.268	Max. Acceleration (g)	0.398
Time of Max. Acceleration (sec)	12.580	Time of Max. Acceleration (sec)	3.250	Time of Max. Acceleration (sec)	11.040	Time of Max. Acceleration (sec)	9.180
Max. Velocity (cm/sec)	16.928	Max. Velocity (cm/sec)	27.537	Max. Velocity (cm/sec)	48.110	Max. Velocity (cm/sec)	46.570
Time of Max. Velocity (sec)	13.905	Time of Max. Velocity (sec)	3.315	Time of Max. Velocity (sec)	12.475	Time of Max. Velocity (sec)	9.040
Max. Displacement (cm)	3.796	Max. Displacement (cm)	7.968	Max. Displacement (cm)	14.233	Max. Displacement (cm)	16.965
Time of Max. Displacement (sec)	12.595	Time of Max. Displacement (sec)	3.595	Time of Max. Displacement (sec)	12.090	Time of Max. Displacement (sec)	9.200
Vmax / Amax: (sec)	0.069	Vmax / Amax: (sec)	0.128	Vmax / Amax: (sec)	0.183	Vmax / Amax: (sec)	0.119
Acceleration RMS: (g)	0.030	Acceleration RMS: (g)	0.026	Acceleration RMS: (g)	0.037	Acceleration RMS: (g)	0.046
Velocity RMS: (cm/sec)	3.039	Velocity RMS: (cm/sec)	3.382	Velocity RMS: (cm/sec)	8.744	Velocity RMS: (cm/sec)	5.576
Displacement RMS: (cm)	0.772	Displacement RMS: (cm)	1.484	Displacement RMS: (cm)	4.834	Displacement RMS: (cm)	4.160
Arias Intensity: (m/sec)	0.675	Arias Intensity: (m/sec)	0.275	Arias Intensity: (m/sec)	0.865	Arias Intensity: (m/sec)	1.282
Characteristic Intensity (Ic)	0.036	Characteristic Intensity (Ic)	0.021	Characteristic Intensity (Ic)	0.046	Characteristic Intensity (Ic)	0.062
Specific Energy Density (cm2/sec)	443.005	Specific Energy Density (cm2/sec)	306.766	Specific Energy Density (cm2/sec)	3056.830	Specific Energy Density (cm2/sec)	1,242.871
Cumulative Absolute Velocity (cm/sec)	758.215	Cumulative Absolute Velocity (cm/sec)	313.216	Cumulative Absolute Velocity (cm/sec)	769.708	Cumulative Absolute Velocity (cm/sec)	799.371
Acceleration Spectrum Intensity (g*sec)	0.216	Acceleration Spectrum Intensity (g*sec)	0.181	Acceleration Spectrum Intensity (g*sec)	0.159	Acceleration Spectrum Intensity (g*sec)	0.325
Velocity Spectrum Intensity (cm)	84.458	Velocity Spectrum Intensity (cm)	91.069	Velocity Spectrum Intensity (cm)	197.571	Velocity Spectrum Intensity (cm)	161.158
Housner Intensity (cm)	74.458	Housner Intensity (cm)	81.207	Housner Intensity (cm)	197.770	Housner Intensity (cm)	147.104
Sustained Maximum Acceleration (g)	0.203	Sustained Maximum Acceleration (g)	0.151	Sustained Maximum Acceleration (g)	0.199	Sustained Maximum Acceleration (g)	0.222
Sustained Maximum Velocity (cm/sec)	15.041	Sustained Maximum Velocity (cm/sec)	8.790	Sustained Maximum Velocity (cm/sec)	27.767	Sustained Maximum Velocity (cm/sec)	23.793
Effective Design Acceleration (g)	0.251	Effective Design Acceleration (g)	0.218	Effective Design Acceleration (g)	0.268	Effective Design Acceleration (g)	0.398
A95 parameter (g)	0.248	A95 parameter (g)	0.218	A95 parameter (g)	0.266	A95 parameter (g)	0.393
Predominant Period (sec)	0.320	Predominant Period (sec)	0.200	Predominant Period (sec)	0.540	Predominant Period (sec)	0.400
Mean Period (sec)	0.545	Mean Period (sec)	0.632	Mean Period (sec)	1.203	Mean Period (sec)	0.628
Significant Duration:	14.820	Significant Duration:	5.855	Significant Duration:	10.290	Significant Duration:	7.140

ID18745_5		ID18745_6		ID18745_7	
Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.361	Max. Acceleration (g)	0.225	Max. Acceleration (g)	0.237
Time of Max. Acceleration (sec)	11.500	Time of Max. Acceleration (sec)	15.790	Time of Max. Acceleration (sec)	15.060
Max. Velocity (cm/sec)	34.599	Max. Velocity (cm/sec)	26.858	Max. Velocity (cm/sec)	14.868
Time of Max. Velocity (sec)	11.410	Time of Max. Velocity (sec)	15.720	Time of Max. Velocity (sec)	14.970
Max. Displacement (cm)	9.411	Max. Displacement (cm)	7.849	Max. Displacement (cm)	14.639
Time of Max. Displacement (sec)	17.600	Time of Max. Displacement (sec)	19.660	Time of Max. Displacement (sec)	131.990
Vmax / Amax: (sec)	0.098	Vmax / Amax: (sec)	0.122	Vmax / Amax: (sec)	0.064
Acceleration RMS: (g)	0.026	Acceleration RMS: (g)	0.020	Acceleration RMS: (g)	0.012
Velocity RMS: (cm/sec)	4.483	Velocity RMS: (cm/sec)	2.646	Velocity RMS: (cm/sec)	0.895
Displacement RMS: (cm)	5.842	Displacement RMS: (cm)	3.727	Displacement RMS: (cm)	6.299
Arias Intensity: (m/sec)	0.793	Arias Intensity: (m/sec)	0.458	Arias Intensity: (m/sec)	0.305
Characteristic Intensity (Ic)	0.037	Characteristic Intensity (Ic)	0.024	Characteristic Intensity (Ic)	0.016
Specific Energy Density (cm2/sec)	1507.281	Specific Energy Density (cm2/sec)	524.954	Specific Energy Density (cm2/sec)	105.807
Cumulative Absolute Velocity (cm/sec)	713.494	Cumulative Absolute Velocity (cm/sec)	544.392	Cumulative Absolute Velocity (cm/sec)	448.739
Acceleration Spectrum Intensity (g*sec)	0.312	Acceleration Spectrum Intensity (g*sec)	0.241	Acceleration Spectrum Intensity (g*sec)	0.199
Velocity Spectrum Intensity (cm)	124.028	Velocity Spectrum Intensity (cm)	89.577	Velocity Spectrum Intensity (cm)	49.379
Housner Intensity (cm)	122.092	Housner Intensity (cm)	83.295	Housner Intensity (cm)	31.984
Sustained Maximum Acceleration (g)	0.196	Sustained Maximum Acceleration (g)	0.186	Sustained Maximum Acceleration (g)	0.154
Sustained Maximum Velocity (cm/sec)	20.541	Sustained Maximum Velocity (cm/sec)	14.752	Sustained Maximum Velocity (cm/sec)	6.675
Effective Design Acceleration (g)	0.361	Effective Design Acceleration (g)	0.225	Effective Design Acceleration (g)	0.233
A95 parameter (g)	0.358	A95 parameter (g)	0.223	A95 parameter (g)	0.235
Predominant Period (sec)	0.380	Predominant Period (sec)	0.260	Predominant Period (sec)	0.320
Mean Period (sec)	0.730	Mean Period (sec)	0.598	Mean Period (sec)	0.332
Significant Duration:	8.705	Significant Duration:	8.990	Significant Duration:	9.190

VALORI MEDI	
Max. Acceleration (g)	0.280
Time of Max. Acceleration (sec)	11.200
Max. Velocity (cm/sec)	30.781
Time of Max. Velocity (sec)	11.548
Max. Displacement (cm)	10.694
Time of Max. Displacement (sec)	29.533
Vmax / Amax: (sec)	0.112
Acceleration RMS: (g)	0.028
Velocity RMS: (cm/sec)	4.109
Displacement RMS: (cm)	3.874
Arias Intensity: (m/sec)	0.665
Characteristic Intensity (Ic)	0.035
Specific Energy Density (cm2/sec)	1026.788
Cumulative Absolute Velocity (cm/sec)	621.019
Acceleration Spectrum Intensity (g*sec)	0.233
Velocity Spectrum Intensity (cm)	113.891
Housner Intensity (cm)	105.416
Sustained Maximum Acceleration (g)	0.187
Sustained Maximum Velocity (cm/sec)	16.766
Effective Design Acceleration (g)	0.279
A95 parameter (g)	0.277
Predominant Period (sec)	0.346
Mean Period (sec)	0.667
Significant Duration (sec):	9.284

ALLEGATO N. 4

PARAMETRI DI SCUOTIMENTO - ACCELEROGRAMMI DI OUTPUT

RNC

ID18746_1		ID18746_2		ID18746_3		ID18746_4	
Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.259	Max. Acceleration (g)	0.199	Max. Acceleration (g)	0.293	Max. Acceleration (g)	0.324
Time of Max. Acceleration (sec)	12.685	Time of Max. Acceleration (sec)	3.360	Time of Max. Acceleration (sec)	11.170	Time of Max. Acceleration (sec)	9.280
Max. Velocity (cm/sec)	20.563	Max. Velocity (cm/sec)	28.252	Max. Velocity (cm/sec)	48.351	Max. Velocity (cm/sec)	44.813
Time of Max. Velocity (sec)	12.590	Time of Max. Velocity (sec)	3.420	Time of Max. Velocity (sec)	12.615	Time of Max. Velocity (sec)	9.140
Max. Displacement (cm)	3.824	Max. Displacement (cm)	8.690	Max. Displacement (cm)	17.721	Max. Displacement (cm)	15.878
Time of Max. Displacement (sec)	12.710	Time of Max. Displacement (sec)	3.715	Time of Max. Displacement (sec)	12.250	Time of Max. Displacement (sec)	9.340
Vmax / Amax: (sec)	0.081	Vmax / Amax: (sec)	0.145	Vmax / Amax: (sec)	0.168	Vmax / Amax: (sec)	0.141
Acceleration RMS: (g)	0.031	Acceleration RMS: (g)	0.027	Acceleration RMS: (g)	0.037	Acceleration RMS: (g)	0.039
Velocity RMS: (cm/sec)	3.414	Velocity RMS: (cm/sec)	3.867	Velocity RMS: (cm/sec)	9.070	Velocity RMS: (cm/sec)	5.445
Displacement RMS: (cm)	0.836	Displacement RMS: (cm)	1.609	Displacement RMS: (cm)	5.075	Displacement RMS: (cm)	3.869
Arias Intensity: (m/sec)	0.731	Arias Intensity: (m/sec)	0.297	Arias Intensity: (m/sec)	0.852	Arias Intensity: (m/sec)	0.923
Characteristic Intensity (Ic)	0.039	Characteristic Intensity (Ic)	0.023	Characteristic Intensity (Ic)	0.045	Characteristic Intensity (Ic)	0.048
Specific Energy Density (cm2/sec)	559.018	Specific Energy Density (cm2/sec)	401.110	Specific Energy Density (cm2/sec)	3289.410	Specific Energy Density (cm2/sec)	1,185.504
Cumulative Absolute Velocity (cm/sec)	749.695	Cumulative Absolute Velocity (cm/sec)	343.421	Cumulative Absolute Velocity (cm/sec)	760.309	Cumulative Absolute Velocity (cm/sec)	698.383
Acceleration Spectrum Intensity (g*sec)	0.209	Acceleration Spectrum Intensity (g*sec)	0.158	Acceleration Spectrum Intensity (g*sec)	0.154	Acceleration Spectrum Intensity (g*sec)	0.262
Velocity Spectrum Intensity (cm)	95.048	Velocity Spectrum Intensity (cm)	96.876	Velocity Spectrum Intensity (cm)	198.444	Velocity Spectrum Intensity (cm)	150.322
Housner Intensity (cm)	83.946	Housner Intensity (cm)	91.072	Housner Intensity (cm)	197.262	Housner Intensity (cm)	141.541
Sustained Maximum Acceleration (g)	0.200	Sustained Maximum Acceleration (g)	0.157	Sustained Maximum Acceleration (g)	0.182	Sustained Maximum Acceleration (g)	0.189
Sustained Maximum Velocity (cm/sec)	15.536	Sustained Maximum Velocity (cm/sec)	15.578	Sustained Maximum Velocity (cm/sec)	39.729	Sustained Maximum Velocity (cm/sec)	24.477
Effective Design Acceleration (g)	0.259	Effective Design Acceleration (g)	0.198	Effective Design Acceleration (g)	0.293	Effective Design Acceleration (g)	0.323
A95 parameter (g)	0.257	A95 parameter (g)	0.197	A95 parameter (g)	0.290	A95 parameter (g)	0.320
Predominant Period (sec)	0.680	Predominant Period (sec)	0.300	Predominant Period (sec)	0.820	Predominant Period (sec)	0.400
Mean Period (sec)	0.608	Mean Period (sec)	0.724	Mean Period (sec)	1.251	Mean Period (sec)	0.714
Significant Duration:	11.415	Significant Duration:	6.155	Significant Duration:	10.910	Significant Duration:	7.480

ID18746_5		ID18746_6		ID18746_7	
Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.261	Max. Acceleration (g)	0.256	Max. Acceleration (g)	0.220
Time of Max. Acceleration (sec)	11.605	Time of Max. Acceleration (sec)	15.905	Time of Max. Acceleration (sec)	14.170
Max. Velocity (cm/sec)	34.500	Max. Velocity (cm/sec)	30.444	Max. Velocity (cm/sec)	15.287
Time of Max. Velocity (sec)	11.520	Time of Max. Velocity (sec)	15.840	Time of Max. Velocity (sec)	14.080
Max. Displacement (cm)	9.725	Max. Displacement (cm)	8.285	Max. Displacement (cm)	12.766
Time of Max. Displacement (sec)	61.970	Time of Max. Displacement (sec)	19.375	Time of Max. Displacement (sec)	131.990
Vmax / Amax: (sec)	0.135	Vmax / Amax: (sec)	0.121	Vmax / Amax: (sec)	0.071
Acceleration RMS: (g)	0.023	Acceleration RMS: (g)	0.021	Acceleration RMS: (g)	0.013
Velocity RMS: (cm/sec)	4.789	Velocity RMS: (cm/sec)	2.808	Velocity RMS: (cm/sec)	0.959
Displacement RMS: (cm)	6.224	Displacement RMS: (cm)	3.592	Displacement RMS: (cm)	6.714
Arias Intensity: (m/sec)	0.605	Arias Intensity: (m/sec)	0.509	Arias Intensity: (m/sec)	0.322
Characteristic Intensity (Ic)	0.030	Characteristic Intensity (Ic)	0.026	Characteristic Intensity (Ic)	0.016
Specific Energy Density (cm2/sec)	1720.321	Specific Energy Density (cm2/sec)	591.432	Specific Energy Density (cm2/sec)	121.447
Cumulative Absolute Velocity (cm/sec)	673.431	Cumulative Absolute Velocity (cm/sec)	582.427	Cumulative Absolute Velocity (cm/sec)	419.643
Acceleration Spectrum Intensity (g*sec)	0.254	Acceleration Spectrum Intensity (g*sec)	0.243	Acceleration Spectrum Intensity (g*sec)	0.190
Velocity Spectrum Intensity (cm)	123.727	Velocity Spectrum Intensity (cm)	96.117	Velocity Spectrum Intensity (cm)	52.882
Housner Intensity (cm)	124.066	Housner Intensity (cm)	83.339	Housner Intensity (cm)	35.930
Sustained Maximum Acceleration (g)	0.173	Sustained Maximum Acceleration (g)	0.184	Sustained Maximum Acceleration (g)	0.180
Sustained Maximum Velocity (cm/sec)	21.857	Sustained Maximum Velocity (cm/sec)	12.559	Sustained Maximum Velocity (cm/sec)	8.527
Effective Design Acceleration (g)	0.261	Effective Design Acceleration (g)	0.256	Effective Design Acceleration (g)	0.216
A95 parameter (g)	0.259	A95 parameter (g)	0.254	A95 parameter (g)	0.217
Predominant Period (sec)	0.380	Predominant Period (sec)	0.260	Predominant Period (sec)	0.220
Mean Period (sec)	0.913	Mean Period (sec)	0.599	Mean Period (sec)	0.347
Significant Duration:	11.755	Significant Duration:	9.835	Significant Duration:	6.560

VALORI MEDI	
Max. Acceleration (g)	0.259
Time of Max. Acceleration (sec)	11.168
Max. Velocity (cm/sec)	31.744
Time of Max. Velocity (sec)	11.315
Max. Displacement (cm)	10.984
Time of Max. Displacement (sec)	35.907
Vmax / Amax: (sec)	0.123
Acceleration RMS: (g)	0.027
Velocity RMS: (cm/sec)	4.336
Displacement RMS: (cm)	3.988
Arias Intensity: (m/sec)	0.606
Characteristic Intensity (Ic)	0.032
Specific Energy Density (cm2/sec)	1124.034
Cumulative Absolute Velocity (cm/sec)	603.901
Acceleration Spectrum Intensity (g*sec)	0.210
Velocity Spectrum Intensity (cm)	116.202
Housner Intensity (cm)	108.165
Sustained Maximum Acceleration (g)	0.181
Sustained Maximum Velocity (cm/sec)	19.752
Effective Design Acceleration (g)	0.258
A95 parameter (g)	0.256
Predominant Period (sec)	0.437
Mean Period (sec)	0.737
Significant Duration (sec):	9.159

ALLEGATO N. 4

PARAMETRI DI SCUOTIMENTO - ACCELEROGRAMMI DI OUTPUT

RNS_01

ID18746_2		ID18746_3		ID18746_4	
Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.240	Max. Acceleration (g)	0.197	Max. Acceleration (g)	0.280
Time of Max. Acceleration (sec)	12.595	Time of Max. Acceleration (sec)	3.280	Time of Max. Acceleration (sec)	11.075
Max. Velocity (cm/sec)	16.030	Max. Velocity (cm/sec)	25.810	Max. Velocity (cm/sec)	37.154
Time of Max. Velocity (sec)	12.500	Time of Max. Velocity (sec)	3.330	Time of Max. Velocity (sec)	11.700
Max. Displacement (cm)	3.340	Max. Displacement (cm)	7.273	Max. Displacement (cm)	13.849
Time of Max. Displacement (sec)	12.610	Time of Max. Displacement (sec)	3.620	Time of Max. Displacement (sec)	11.080
Vmax / Amax: (sec)	0.068	Vmax / Amax: (sec)	0.134	Vmax / Amax: (sec)	0.135
Acceleration RMS: (g)	0.029	Acceleration RMS: (g)	0.025	Acceleration RMS: (g)	0.034
Velocity RMS: (cm/sec)	2.784	Velocity RMS: (cm/sec)	3.005	Velocity RMS: (cm/sec)	7.669
Displacement RMS: (cm)	0.721	Displacement RMS: (cm)	1.434	Displacement RMS: (cm)	4.730
Arias Intensity: (m/sec)	0.616	Arias Intensity: (m/sec)	0.258	Arias Intensity: (m/sec)	0.693
Characteristic Intensity (Ic)	0.034	Characteristic Intensity (Ic)	0.020	Characteristic Intensity (Ic)	0.039
Specific Energy Density (cm2/sec)	371.595	Specific Energy Density (cm2/sec)	242.195	Specific Energy Density (cm2/sec)	2351.938
Cumulative Absolute Velocity (cm/sec)	704.658	Cumulative Absolute Velocity (cm/sec)	305.644	Cumulative Absolute Velocity (cm/sec)	677.792
Acceleration Spectrum Intensity (g*sec)	0.208	Acceleration Spectrum Intensity (g*sec)	0.163	Acceleration Spectrum Intensity (g*sec)	0.151
Velocity Spectrum Intensity (cm)	76.643	Velocity Spectrum Intensity (cm)	84.461	Velocity Spectrum Intensity (cm)	172.628
Housner Intensity (cm)	66.135	Housner Intensity (cm)	72.353	Housner Intensity (cm)	167.982
Sustained Maximum Acceleration (g)	0.188	Sustained Maximum Acceleration (g)	0.172	Sustained Maximum Acceleration (g)	0.154
Sustained Maximum Velocity (cm/sec)	13.689	Sustained Maximum Velocity (cm/sec)	11.074	Sustained Maximum Velocity (cm/sec)	34.324
Effective Design Acceleration (g)	0.239	Effective Design Acceleration (g)	0.195	Effective Design Acceleration (g)	0.280
A95 parameter (g)	0.238	A95 parameter (g)	0.195	A95 parameter (g)	0.278
Predominant Period (sec)	0.300	Predominant Period (sec)	0.220	Predominant Period (sec)	0.540
Mean Period (sec)	0.529	Mean Period (sec)	0.571	Mean Period (sec)	1.116
Significant Duration:	12.510	Significant Duration:	5.805	Significant Duration:	10.175

ID18746_5

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.296
Time of Max. Acceleration (sec)	12.505
Max. Velocity (cm/sec)	31.148
Time of Max. Velocity (sec)	12.425
Max. Displacement (cm)	8.086
Time of Max. Displacement (sec)	14.865
Vmax / Amax: (sec)	0.107
Acceleration RMS: (g)	0.022
Velocity RMS: (cm/sec)	3.849
Displacement RMS: (cm)	2.979
Arias Intensity: (m/sec)	0.556
Characteristic Intensity (Ic)	0.028
Specific Energy Density (cm2/sec)	1111.278
Cumulative Absolute Velocity (cm/sec)	600.016
Acceleration Spectrum Intensity (g*sec)	0.272
Velocity Spectrum Intensity (cm)	95.107
Housner Intensity (cm)	93.028
Sustained Maximum Acceleration (g)	0.183
Sustained Maximum Velocity (cm/sec)	15.992
Effective Design Acceleration (g)	0.296
A95 parameter (g)	0.294
Predominant Period (sec)	0.380
Mean Period (sec)	0.666
Significant Duration:	9.975

ID18746_6

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.240
Time of Max. Acceleration (sec)	15.810
Max. Velocity (cm/sec)	25.537
Time of Max. Velocity (sec)	15.750
Max. Displacement (cm)	8.044
Time of Max. Displacement (sec)	19.620
Vmax / Amax: (sec)	0.109
Acceleration RMS: (g)	0.020
Velocity RMS: (cm/sec)	2.356
Displacement RMS: (cm)	3.600
Arias Intensity: (m/sec)	0.476
Characteristic Intensity (Ic)	0.025
Specific Energy Density (cm2/sec)	416.362
Cumulative Absolute Velocity (cm/sec)	540.034
Acceleration Spectrum Intensity (g*sec)	0.242
Velocity Spectrum Intensity (cm)	81.389
Housner Intensity (cm)	68.890
Sustained Maximum Acceleration (g)	0.195
Sustained Maximum Velocity (cm/sec)	13.340
Effective Design Acceleration (g)	0.240
A95 parameter (g)	0.237
Predominant Period (sec)	0.260
Mean Period (sec)	0.499
Significant Duration:	7.220

ID18746_7

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.250
Time of Max. Acceleration (sec)	15.620
Max. Velocity (cm/sec)	13.448
Time of Max. Velocity (sec)	13.990
Max. Displacement (cm)	14.951
Time of Max. Displacement (sec)	131.990
Vmax / Amax: (sec)	0.055
Acceleration RMS: (g)	0.015
Velocity RMS: (cm/sec)	0.908
Displacement RMS: (cm)	6.713
Arias Intensity: (m/sec)	0.463
Characteristic Intensity (Ic)	0.021
Specific Energy Density (cm2/sec)	108.920
Cumulative Absolute Velocity (cm/sec)	566.917
Acceleration Spectrum Intensity (g*sec)	0.194
Velocity Spectrum Intensity (cm)	47.650
Housner Intensity (cm)	30.671
Sustained Maximum Acceleration (g)	0.188
Sustained Maximum Velocity (cm/sec)	9.067
Effective Design Acceleration (g)	0.246
A95 parameter (g)	0.247
Predominant Period (sec)	0.100
Mean Period (sec)	0.249
Significant Duration:	10.000

VALORI MEDI

VALORI MEDI	
Max. Acceleration (g)	0.259
Time of Max. Acceleration (sec)	11.441
Max. Velocity (cm/sec)	26.918
Time of Max. Velocity (sec)	11.248
Max. Displacement (cm)	10.027
Time of Max. Displacement (sec)	29.001
Vmax / Amax: (sec)	0.105
Acceleration RMS: (g)	0.026
Velocity RMS: (cm/sec)	3.604
Displacement RMS: (cm)	3.457
Arias Intensity: (m/sec)	0.559
Characteristic Intensity (Ic)	0.030
Specific Energy Density (cm2/sec)	781.190
Cumulative Absolute Velocity (cm/sec)	581.665
Acceleration Spectrum Intensity (g*sec)	0.212
Velocity Spectrum Intensity (cm)	99.340
Housner Intensity (cm)	88.313
Sustained Maximum Acceleration (g)	0.180
Sustained Maximum Velocity (cm/sec)	16.522
Effective Design Acceleration (g)	0.258
A95 parameter (g)	0.257
Predominant Period (sec)	0.314
Mean Period (sec)	0.609
Significant Duration (sec):	9.032

ALLEGATO N. 4

PARAMETRI DI SCUOTIMENTO - ACCELEROGRAMMI DI OUTPUT

RNS_02

ID18746_1		ID18746_2		ID18746_3		ID18746_4	
Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.241	Max. Acceleration (g)	0.200	Max. Acceleration (g)	0.275	Max. Acceleration (g)	0.314
Time of Max. Acceleration (sec)	12.535	Time of Max. Acceleration (sec)	3.955	Time of Max. Acceleration (sec)	11.035	Time of Max. Acceleration (sec)	9.160
Max. Velocity (cm/sec)	19.063	Max. Velocity (cm/sec)	26.652	Max. Velocity (cm/sec)	45.180	Max. Velocity (cm/sec)	42.676
Time of Max. Velocity (sec)	12.445	Time of Max. Velocity (sec)	3.260	Time of Max. Velocity (sec)	11.375	Time of Max. Velocity (sec)	8.980
Max. Displacement (cm)	4.032	Max. Displacement (cm)	8.051	Max. Displacement (cm)	14.462	Max. Displacement (cm)	17.016
Time of Max. Displacement (sec)	12.565	Time of Max. Displacement (sec)	3.535	Time of Max. Displacement (sec)	11.040	Time of Max. Displacement (sec)	9.180
Vmax / Amax: (sec)	0.081	Vmax / Amax: (sec)	0.136	Vmax / Amax: (sec)	0.168	Vmax / Amax: (sec)	0.139
Acceleration RMS: (g)	0.031	Acceleration RMS: (g)	0.027	Acceleration RMS: (g)	0.039	Acceleration RMS: (g)	0.035
Velocity RMS: (cm/sec)	3.373	Velocity RMS: (cm/sec)	3.503	Velocity RMS: (cm/sec)	9.072	Velocity RMS: (cm/sec)	5.401
Displacement RMS: (cm)	0.779	Displacement RMS: (cm)	1.463	Displacement RMS: (cm)	4.839	Displacement RMS: (cm)	4.105
Arias Intensity: (m/sec)	0.690	Arias Intensity: (m/sec)	0.300	Arias Intensity: (m/sec)	0.939	Arias Intensity: (m/sec)	0.758
Characteristic Intensity (Ic)	0.037	Characteristic Intensity (Ic)	0.023	Characteristic Intensity (Ic)	0.049	Characteristic Intensity (Ic)	0.042
Specific Energy Density (cm2/sec)	545.629	Specific Energy Density (cm2/sec)	329.237	Specific Energy Density (cm2/sec)	3290.473	Specific Energy Density (cm2/sec)	1,166.122
Cumulative Absolute Velocity (cm/sec)	737.770	Cumulative Absolute Velocity (cm/sec)	316.846	Cumulative Absolute Velocity (cm/sec)	782.546	Cumulative Absolute Velocity (cm/sec)	656.327
Acceleration Spectrum Intensity (g*sec)	0.194	Acceleration Spectrum Intensity (g*sec)	0.160	Acceleration Spectrum Intensity (g*sec)	0.151	Acceleration Spectrum Intensity (g*sec)	0.219
Velocity Spectrum Intensity (cm)	93.548	Velocity Spectrum Intensity (cm)	99.516	Velocity Spectrum Intensity (cm)	219.622	Velocity Spectrum Intensity (cm)	152.205
Housner Intensity (cm)	81.103	Housner Intensity (cm)	85.076	Housner Intensity (cm)	209.481	Housner Intensity (cm)	140.744
Sustained Maximum Acceleration (g)	0.168	Sustained Maximum Acceleration (g)	0.188	Sustained Maximum Acceleration (g)	0.151	Sustained Maximum Acceleration (g)	0.152
Sustained Maximum Velocity (cm/sec)	18.019	Sustained Maximum Velocity (cm/sec)	11.437	Sustained Maximum Velocity (cm/sec)	28.781	Sustained Maximum Velocity (cm/sec)	16.805
Effective Design Acceleration (g)	0.240	Effective Design Acceleration (g)	0.199	Effective Design Acceleration (g)	0.275	Effective Design Acceleration (g)	0.315
A95 parameter (g)	0.238	A95 parameter (g)	0.198	A95 parameter (g)	0.272	A95 parameter (g)	0.312
Predominant Period (sec)	0.700	Predominant Period (sec)	0.180	Predominant Period (sec)	0.820	Predominant Period (sec)	0.400
Mean Period (sec)	0.633	Mean Period (sec)	0.661	Mean Period (sec)	1.244	Mean Period (sec)	0.822
Significant Duration:	11.530	Significant Duration:	5.665	Significant Duration:	10.040	Significant Duration:	9.040

ID18746_5		ID18746_6		ID18746_7	
Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.281	Max. Acceleration (g)	0.217	Max. Acceleration (g)	0.201
Time of Max. Acceleration (sec)	11.440	Time of Max. Acceleration (sec)	15.750	Time of Max. Acceleration (sec)	14.020
Max. Velocity (cm/sec)	32.267	Max. Velocity (cm/sec)	28.993	Max. Velocity (cm/sec)	15.218
Time of Max. Velocity (sec)	11.360	Time of Max. Velocity (sec)	15.690	Time of Max. Velocity (sec)	13.920
Max. Displacement (cm)	9.549	Max. Displacement (cm)	7.761	Max. Displacement (cm)	15.955
Time of Max. Displacement (sec)	61.800	Time of Max. Displacement (sec)	19.590	Time of Max. Displacement (sec)	131.990
Vmax / Amax: (sec)	0.117	Vmax / Amax: (sec)	0.136	Vmax / Amax: (sec)	0.077
Acceleration RMS: (g)	0.022	Acceleration RMS: (g)	0.020	Acceleration RMS: (g)	0.013
Velocity RMS: (cm/sec)	4.224	Velocity RMS: (cm/sec)	2.669	Velocity RMS: (cm/sec)	0.944
Displacement RMS: (cm)	6.018	Displacement RMS: (cm)	3.887	Displacement RMS: (cm)	6.809
Arias Intensity: (m/sec)	0.582	Arias Intensity: (m/sec)	0.474	Arias Intensity: (m/sec)	0.363
Characteristic Intensity (Ic)	0.029	Characteristic Intensity (Ic)	0.025	Characteristic Intensity (Ic)	0.018
Specific Energy Density (cm2/sec)	1337.900	Specific Energy Density (cm2/sec)	534.125	Specific Energy Density (cm2/sec)	117.497
Cumulative Absolute Velocity (cm/sec)	632.642	Cumulative Absolute Velocity (cm/sec)	565.556	Cumulative Absolute Velocity (cm/sec)	485.123
Acceleration Spectrum Intensity (g*sec)	0.257	Acceleration Spectrum Intensity (g*sec)	0.230	Acceleration Spectrum Intensity (g*sec)	0.187
Velocity Spectrum Intensity (cm)	114.776	Velocity Spectrum Intensity (cm)	97.747	Velocity Spectrum Intensity (cm)	52.657
Housner Intensity (cm)	114.021	Housner Intensity (cm)	84.608	Housner Intensity (cm)	33.819
Sustained Maximum Acceleration (g)	0.179	Sustained Maximum Acceleration (g)	0.169	Sustained Maximum Acceleration (g)	0.176
Sustained Maximum Velocity (cm/sec)	20.317	Sustained Maximum Velocity (cm/sec)	15.056	Sustained Maximum Velocity (cm/sec)	8.246
Effective Design Acceleration (g)	0.281	Effective Design Acceleration (g)	0.218	Effective Design Acceleration (g)	0.198
A95 parameter (g)	0.279	A95 parameter (g)	0.214	A95 parameter (g)	0.198
Predominant Period (sec)	0.380	Predominant Period (sec)	0.260	Predominant Period (sec)	0.100
Mean Period (sec)	0.802	Mean Period (sec)	0.619	Mean Period (sec)	0.305
Significant Duration:	10.690	Significant Duration:	8.630	Significant Duration:	9.430

VALORI MEDI	
Max. Acceleration (g)	0.247
Time of Max. Acceleration (sec)	11.128
Max. Velocity (cm/sec)	30.007
Time of Max. Velocity (sec)	11.004
Max. Displacement (cm)	10.975
Time of Max. Displacement (sec)	35.671
Vmax / Amax: (sec)	0.122
Acceleration RMS: (g)	0.027
Velocity RMS: (cm/sec)	4.169
Displacement RMS: (cm)	3.986
Arias Intensity: (m/sec)	0.586
Characteristic Intensity (Ic)	0.032
Specific Energy Density (cm2/sec)	1045.855
Cumulative Absolute Velocity (cm/sec)	596.687
Acceleration Spectrum Intensity (g*sec)	0.200
Velocity Spectrum Intensity (cm)	118.582
Housner Intensity (cm)	106.979
Sustained Maximum Acceleration (g)	0.169
Sustained Maximum Velocity (cm/sec)	16.952
Effective Design Acceleration (g)	0.247
A95 parameter (g)	0.245
Predominant Period (sec)	0.406
Mean Period (sec)	0.726
Significant Duration (sec):	9.289

ALLEGATO N. 4

PARAMETRI DI SCUOTIMENTO - ACCELEROGRAMMI DI OUTPUT

RNS_03

ID18968_1		ID18968_2		ID18968_3		ID18968_4	
Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.240	Max. Acceleration (g)	0.191	Max. Acceleration (g)	0.252	Max. Acceleration (g)	0.323
Time of Max. Acceleration (sec)	12.580	Time of Max. Acceleration (sec)	3.725	Time of Max. Acceleration (sec)	11.105	Time of Max. Acceleration (sec)	9.200
Max. Velocity (cm/sec)	18.968	Max. Velocity (cm/sec)	27.208	Max. Velocity (cm/sec)	48.042	Max. Velocity (cm/sec)	46.458
Time of Max. Velocity (sec)	12.495	Time of Max. Velocity (sec)	3.325	Time of Max. Velocity (sec)	11.670	Time of Max. Velocity (sec)	9.060
Max. Displacement (cm)	3.995	Max. Displacement (cm)	8.711	Max. Displacement (cm)	17.064	Max. Displacement (cm)	17.231
Time of Max. Displacement (sec)	15.860	Time of Max. Displacement (sec)	3.635	Time of Max. Displacement (sec)	12.115	Time of Max. Displacement (sec)	9.260
Vmax / Amax: (sec)	0.081	Vmax / Amax: (sec)	0.145	Vmax / Amax: (sec)	0.195	Vmax / Amax: (sec)	0.147
Acceleration RMS: (g)	0.029	Acceleration RMS: (g)	0.024	Acceleration RMS: (g)	0.035	Acceleration RMS: (g)	0.036
Velocity RMS: (cm/sec)	3.241	Velocity RMS: (cm/sec)	3.699	Velocity RMS: (cm/sec)	9.217	Velocity RMS: (cm/sec)	5.562
Displacement RMS: (cm)	0.807	Displacement RMS: (cm)	1.560	Displacement RMS: (cm)	5.092	Displacement RMS: (cm)	4.035
Arias Intensity: (m/sec)	0.641	Arias Intensity: (m/sec)	0.248	Arias Intensity: (m/sec)	0.760	Arias Intensity: (m/sec)	0.779
Characteristic Intensity (Ic)	0.035	Characteristic Intensity (Ic)	0.020	Characteristic Intensity (Ic)	0.042	Characteristic Intensity (Ic)	0.042
Specific Energy Density (cm2/sec)	503.865	Specific Energy Density (cm2/sec)	367.065	Specific Energy Density (cm2/sec)	3397.145	Specific Energy Density (cm2/sec)	1,236.782
Cumulative Absolute Velocity (cm/sec)	721.043	Cumulative Absolute Velocity (cm/sec)	293.104	Cumulative Absolute Velocity (cm/sec)	715.331	Cumulative Absolute Velocity (cm/sec)	652.543
Acceleration Spectrum Intensity (g*sec)	0.200	Acceleration Spectrum Intensity (g*sec)	0.147	Acceleration Spectrum Intensity (g*sec)	0.135	Acceleration Spectrum Intensity (g*sec)	0.233
Velocity Spectrum Intensity (cm)	89.259	Velocity Spectrum Intensity (cm)	98.710	Velocity Spectrum Intensity (cm)	206.219	Velocity Spectrum Intensity (cm)	153.947
Housner Intensity (cm)	79.670	Housner Intensity (cm)	88.361	Housner Intensity (cm)	205.371	Housner Intensity (cm)	145.860
Sustained Maximum Acceleration (g)	0.175	Sustained Maximum Acceleration (g)	0.162	Sustained Maximum Acceleration (g)	0.156	Sustained Maximum Acceleration (g)	0.163
Sustained Maximum Velocity (cm/sec)	17.061	Sustained Maximum Velocity (cm/sec)	8.410	Sustained Maximum Velocity (cm/sec)	27.171	Sustained Maximum Velocity (cm/sec)	18.867
Effective Design Acceleration (g)	0.240	Effective Design Acceleration (g)	0.191	Effective Design Acceleration (g)	0.252	Effective Design Acceleration (g)	0.323
A95 parameter (g)	0.238	A95 parameter (g)	0.189	A95 parameter (g)	0.250	A95 parameter (g)	0.320
Predominant Period (sec)	0.300	Predominant Period (sec)	0.220	Predominant Period (sec)	0.540	Predominant Period (sec)	0.400
Mean Period (sec)	0.609	Mean Period (sec)	0.772	Mean Period (sec)	1.401	Mean Period (sec)	0.815
Significant Duration:	12.350	Significant Duration:	5.695	Significant Duration:	10.965	Significant Duration:	8.020

ID18968_5		ID18968_6		ID18968_7		VALORI MEDI	
Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram		
Max. Acceleration (g)	0.277	Max. Acceleration (g)	0.209	Max. Acceleration (g)	0.196	Max. Acceleration (g)	0.241
Time of Max. Acceleration (sec)	11.500	Time of Max. Acceleration (sec)	15.805	Time of Max. Acceleration (sec)	29.050	Time of Max. Acceleration (sec)	13.281
Max. Velocity (cm/sec)	33.095	Max. Velocity (cm/sec)	27.651	Max. Velocity (cm/sec)	14.534	Max. Velocity (cm/sec)	30.851
Time of Max. Velocity (sec)	11.410	Time of Max. Velocity (sec)	15.740	Time of Max. Velocity (sec)	28.960	Time of Max. Velocity (sec)	13.237
Max. Displacement (cm)	10.300	Max. Displacement (cm)	8.058	Max. Displacement (cm)	11.082	Max. Displacement (cm)	10.920
Time of Max. Displacement (sec)	61.880	Time of Max. Displacement (sec)	19.570	Time of Max. Displacement (sec)	29.070	Time of Max. Displacement (sec)	21.627
Vmax / Amax: (sec)	0.122	Vmax / Amax: (sec)	0.135	Vmax / Amax: (sec)	0.076	Vmax / Amax: (sec)	0.129
Acceleration RMS: (g)	0.022	Acceleration RMS: (g)	0.019	Acceleration RMS: (g)	0.012	Acceleration RMS: (g)	0.025
Velocity RMS: (cm/sec)	4.550	Velocity RMS: (cm/sec)	2.683	Velocity RMS: (cm/sec)	0.820	Velocity RMS: (cm/sec)	4.253
Displacement RMS: (cm)	6.527	Displacement RMS: (cm)	3.979	Displacement RMS: (cm)	3.673	Displacement RMS: (cm)	3.668
Arias Intensity: (m/sec)	0.567	Arias Intensity: (m/sec)	0.432	Arias Intensity: (m/sec)	0.296	Arias Intensity: (m/sec)	0.532
Characteristic Intensity (Ic)	0.029	Characteristic Intensity (Ic)	0.023	Characteristic Intensity (Ic)	0.015	Characteristic Intensity (Ic)	0.029
Specific Energy Density (cm2/sec)	1552.959	Specific Energy Density (cm2/sec)	540.016	Specific Energy Density (cm2/sec)	88.686	Specific Energy Density (cm2/sec)	1098.074
Cumulative Absolute Velocity (cm/sec)	640.483	Cumulative Absolute Velocity (cm/sec)	549.048	Cumulative Absolute Velocity (cm/sec)	439.124	Cumulative Absolute Velocity (cm/sec)	572.954
Acceleration Spectrum Intensity (g*sec)	0.253	Acceleration Spectrum Intensity (g*sec)	0.218	Acceleration Spectrum Intensity (g*sec)	0.172	Acceleration Spectrum Intensity (g*sec)	0.194
Velocity Spectrum Intensity (cm)	116.862	Velocity Spectrum Intensity (cm)	92.594	Velocity Spectrum Intensity (cm)	48.774	Velocity Spectrum Intensity (cm)	115.195
Housner Intensity (cm)	118.756	Housner Intensity (cm)	80.950	Housner Intensity (cm)	32.602	Housner Intensity (cm)	107.367
Sustained Maximum Acceleration (g)	0.169	Sustained Maximum Acceleration (g)	0.170	Sustained Maximum Acceleration (g)	0.156	Sustained Maximum Acceleration (g)	0.164
Sustained Maximum Velocity (cm/sec)	22.574	Sustained Maximum Velocity (cm/sec)	13.824	Sustained Maximum Velocity (cm/sec)	7.113	Sustained Maximum Velocity (cm/sec)	16.432
Effective Design Acceleration (g)	0.277	Effective Design Acceleration (g)	0.209	Effective Design Acceleration (g)	0.192	Effective Design Acceleration (g)	0.240
A95 parameter (g)	0.275	A95 parameter (g)	0.207	A95 parameter (g)	0.194	A95 parameter (g)	0.239
Predominant Period (sec)	0.380	Predominant Period (sec)	0.260	Predominant Period (sec)	0.100	Predominant Period (sec)	0.314
Mean Period (sec)	0.884	Mean Period (sec)	0.621	Mean Period (sec)	0.331	Mean Period (sec)	0.776
Significant Duration:	11.525	Significant Duration:	9.795	Significant Duration:	8.690	Significant Duration (sec):	9.577

ALLEGATO N. 4

PARAMETRI DI SCUOTIMENTO - ACCELEROGRAMMI DI OUTPUT

RNS_04

ID18968_1		ID18968_2		ID18968_3		ID18968_4	
Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.236	Max. Acceleration (g)	0.185	Max. Acceleration (g)	0.259	Max. Acceleration (g)	0.292
Time of Max. Acceleration (sec)	12.605	Time of Max. Acceleration (sec)	3.735	Time of Max. Acceleration (sec)	11.135	Time of Max. Acceleration (sec)	9.260
Max. Velocity (cm/sec)	18.680	Max. Velocity (cm/sec)	26.214	Max. Velocity (cm/sec)	45.854	Max. Velocity (cm/sec)	42.728
Time of Max. Velocity (sec)	12.520	Time of Max. Velocity (sec)	3.345	Time of Max. Velocity (sec)	11.720	Time of Max. Velocity (sec)	9.080
Max. Displacement (cm)	3.668	Max. Displacement (cm)	8.384	Max. Displacement (cm)	16.714	Max. Displacement (cm)	16.191
Time of Max. Displacement (sec)	15.880	Time of Max. Displacement (sec)	3.655	Time of Max. Displacement (sec)	12.220	Time of Max. Displacement (sec)	9.300
Vmax / Amax: (sec)	0.081	Vmax / Amax: (sec)	0.144	Vmax / Amax: (sec)	0.180	Vmax / Amax: (sec)	0.149
Acceleration RMS: (g)	0.028	Acceleration RMS: (g)	0.023	Acceleration RMS: (g)	0.034	Acceleration RMS: (g)	0.031
Velocity RMS: (cm/sec)	3.119	Velocity RMS: (cm/sec)	3.572	Velocity RMS: (cm/sec)	8.929	Velocity RMS: (cm/sec)	5.230
Displacement RMS: (cm)	0.797	Displacement RMS: (cm)	1.566	Displacement RMS: (cm)	5.169	Displacement RMS: (cm)	3.958
Arias Intensity: (m/sec)	0.580	Arias Intensity: (m/sec)	0.224	Arias Intensity: (m/sec)	0.716	Arias Intensity: (m/sec)	0.594
Characteristic Intensity (Ic)	0.032	Characteristic Intensity (Ic)	0.018	Characteristic Intensity (Ic)	0.040	Characteristic Intensity (Ic)	0.035
Specific Energy Density (cm2/sec)	466.583	Specific Energy Density (cm2/sec)	342.357	Specific Energy Density (cm2/sec)	3188.095	Specific Energy Density (cm2/sec)	1,093.617
Cumulative Absolute Velocity (cm/sec)	688.424	Cumulative Absolute Velocity (cm/sec)	279.793	Cumulative Absolute Velocity (cm/sec)	698.109	Cumulative Absolute Velocity (cm/sec)	571.693
Acceleration Spectrum Intensity (g*sec)	0.189	Acceleration Spectrum Intensity (g*sec)	0.145	Acceleration Spectrum Intensity (g*sec)	0.137	Acceleration Spectrum Intensity (g*sec)	0.197
Velocity Spectrum Intensity (cm)	86.584	Velocity Spectrum Intensity (cm)	92.412	Velocity Spectrum Intensity (cm)	189.840	Velocity Spectrum Intensity (cm)	142.118
Housner Intensity (cm)	76.466	Housner Intensity (cm)	84.991	Housner Intensity (cm)	191.732	Housner Intensity (cm)	134.366
Sustained Maximum Acceleration (g)	0.160	Sustained Maximum Acceleration (g)	0.154	Sustained Maximum Acceleration (g)	0.168	Sustained Maximum Acceleration (g)	0.132
Sustained Maximum Velocity (cm/sec)	16.516	Sustained Maximum Velocity (cm/sec)	11.735	Sustained Maximum Velocity (cm/sec)	28.541	Sustained Maximum Velocity (cm/sec)	18.170
Effective Design Acceleration (g)	0.235	Effective Design Acceleration (g)	0.185	Effective Design Acceleration (g)	0.259	Effective Design Acceleration (g)	0.293
A95 parameter (g)	0.234	A95 parameter (g)	0.184	A95 parameter (g)	0.257	A95 parameter (g)	0.289
Predominant Period (sec)	0.300	Predominant Period (sec)	0.320	Predominant Period (sec)	0.540	Predominant Period (sec)	0.400
Mean Period (sec)	0.623	Mean Period (sec)	0.777	Mean Period (sec)	1.350	Mean Period (sec)	0.879
Significant Duration:	12.405	Significant Duration:	5.765	Significant Duration:	12.190	Significant Duration:	9.860

ID18968_5		ID18968_6		ID18968_7		VALORI MEDI	
Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram	Parameter	Corrected Accelerogram		
Max. Acceleration (g)	0.250	Max. Acceleration (g)	0.187	Max. Acceleration (g)	0.197	Max. Acceleration (g)	0.229
Time of Max. Acceleration (sec)	11.520	Time of Max. Acceleration (sec)	15.830	Time of Max. Acceleration (sec)	14.080	Time of Max. Acceleration (sec)	11.166
Max. Velocity (cm/sec)	32.919	Max. Velocity (cm/sec)	26.914	Max. Velocity (cm/sec)	14.137	Max. Velocity (cm/sec)	29.635
Time of Max. Velocity (sec)	11.435	Time of Max. Velocity (sec)	15.765	Time of Max. Velocity (sec)	13.990	Time of Max. Velocity (sec)	11.122
Max. Displacement (cm)	9.940	Max. Displacement (cm)	8.234	Max. Displacement (cm)	14.737	Max. Displacement (cm)	11.124
Time of Max. Displacement (sec)	61.895	Time of Max. Displacement (sec)	19.520	Time of Max. Displacement (sec)	131.990	Time of Max. Displacement (sec)	36.351
Vmax / Amax: (sec)	0.134	Vmax / Amax: (sec)	0.147	Vmax / Amax: (sec)	0.073	Vmax / Amax: (sec)	0.130
Acceleration RMS: (g)	0.021	Acceleration RMS: (g)	0.018	Acceleration RMS: (g)	0.011	Acceleration RMS: (g)	0.024
Velocity RMS: (cm/sec)	4.517	Velocity RMS: (cm/sec)	2.608	Velocity RMS: (cm/sec)	0.899	Velocity RMS: (cm/sec)	4.125
Displacement RMS: (cm)	6.329	Displacement RMS: (cm)	3.809	Displacement RMS: (cm)	6.791	Displacement RMS: (cm)	4.060
Arias Intensity: (m/sec)	0.517	Arias Intensity: (m/sec)	0.372	Arias Intensity: (m/sec)	0.268	Arias Intensity: (m/sec)	0.467
Characteristic Intensity (Ic)	0.027	Characteristic Intensity (Ic)	0.021	Characteristic Intensity (Ic)	0.014	Characteristic Intensity (Ic)	0.027
Specific Energy Density (cm2/sec)	1530.280	Specific Energy Density (cm2/sec)	510.313	Specific Energy Density (cm2/sec)	106.749	Specific Energy Density (cm2/sec)	1033.999
Cumulative Absolute Velocity (cm/sec)	625.351	Cumulative Absolute Velocity (cm/sec)	518.049	Cumulative Absolute Velocity (cm/sec)	409.408	Cumulative Absolute Velocity (cm/sec)	541.547
Acceleration Spectrum Intensity (g*sec)	0.233	Acceleration Spectrum Intensity (g*sec)	0.202	Acceleration Spectrum Intensity (g*sec)	0.169	Acceleration Spectrum Intensity (g*sec)	0.182
Velocity Spectrum Intensity (cm)	111.097	Velocity Spectrum Intensity (cm)	86.041	Velocity Spectrum Intensity (cm)	48.006	Velocity Spectrum Intensity (cm)	108.014
Housner Intensity (cm)	112.436	Housner Intensity (cm)	76.310	Housner Intensity (cm)	32.202	Housner Intensity (cm)	101.215
Sustained Maximum Acceleration (g)	0.159	Sustained Maximum Acceleration (g)	0.156	Sustained Maximum Acceleration (g)	0.136	Sustained Maximum Acceleration (g)	0.152
Sustained Maximum Velocity (cm/sec)	19.416	Sustained Maximum Velocity (cm/sec)	13.119	Sustained Maximum Velocity (cm/sec)	6.780	Sustained Maximum Velocity (cm/sec)	16.325
Effective Design Acceleration (g)	0.250	Effective Design Acceleration (g)	0.188	Effective Design Acceleration (g)	0.194	Effective Design Acceleration (g)	0.229
A95 parameter (g)	0.248	A95 parameter (g)	0.186	A95 parameter (g)	0.195	A95 parameter (g)	0.227
Predominant Period (sec)	0.380	Predominant Period (sec)	0.260	Predominant Period (sec)	0.100	Predominant Period (sec)	0.329
Mean Period (sec)	0.912	Mean Period (sec)	0.651	Mean Period (sec)	0.336	Mean Period (sec)	0.790
Significant Duration:	11.895	Significant Duration:	11.735	Significant Duration:	9.110	Significant Duration (sec):	10.423

ALLEGATO N. 4

PARAMETRI DI SCUOTIMENTO - ACCELEROGRAMMI DI OUTPUT

RNS_05

ID18969_1

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.243
Time of Max. Acceleration (sec)	12.585
Max. Velocity (cm/sec)	17.962
Time of Max. Velocity (sec)	12.500
Max. Displacement (cm)	3.407
Time of Max. Displacement (sec)	11.220
Vmax / Amax: (sec)	0.075
Acceleration RMS: (g)	0.026
Velocity RMS: (cm/sec)	2.810
Displacement RMS: (cm)	0.774
Arias Intensity: (m/sec)	0.517
Characteristic Intensity (Ic)	0.030
Specific Energy Density (cm2/sec)	378.743
Cumulative Absolute Velocity (cm/sec)	638.184
Acceleration Spectrum Intensity (g*sec)	0.191
Velocity Spectrum Intensity (cm)	78.835
Housner Intensity (cm)	69.823
Sustained Maximum Acceleration (g)	0.169
Sustained Maximum Velocity (cm/sec)	14.001
Effective Design Acceleration (g)	0.242
A95 parameter (g)	0.241
Predominant Period (sec)	0.300
Mean Period (sec)	0.580
Significant Duration:	12.310

ID18969_2

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.181
Time of Max. Acceleration (sec)	3.715
Max. Velocity (cm/sec)	24.840
Time of Max. Velocity (sec)	3.325
Max. Displacement (cm)	8.000
Time of Max. Displacement (sec)	3.665
Vmax / Amax: (sec)	0.140
Acceleration RMS: (g)	0.022
Velocity RMS: (cm/sec)	3.357
Displacement RMS: (cm)	1.554
Arias Intensity: (m/sec)	0.197
Characteristic Intensity (Ic)	0.017
Specific Energy Density (cm2/sec)	302.331
Cumulative Absolute Velocity (cm/sec)	269.424
Acceleration Spectrum Intensity (g*sec)	0.139
Velocity Spectrum Intensity (cm)	82.500
Housner Intensity (cm)	78.075
Sustained Maximum Acceleration (g)	0.118
Sustained Maximum Velocity (cm/sec)	13.547
Effective Design Acceleration (g)	0.181
A95 parameter (g)	0.179
Predominant Period (sec)	0.300
Mean Period (sec)	0.747
Significant Duration:	5.840

ID18969_3

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.207
Time of Max. Acceleration (sec)	11.105
Max. Velocity (cm/sec)	44.110
Time of Max. Velocity (sec)	11.725
Max. Displacement (cm)	15.975
Time of Max. Displacement (sec)	12.275
Vmax / Amax: (sec)	0.217
Acceleration RMS: (g)	0.028
Velocity RMS: (cm/sec)	8.391
Displacement RMS: (cm)	5.257
Arias Intensity: (m/sec)	0.481
Characteristic Intensity (Ic)	0.030
Specific Energy Density (cm2/sec)	2815.074
Cumulative Absolute Velocity (cm/sec)	596.063
Acceleration Spectrum Intensity (g*sec)	0.107
Velocity Spectrum Intensity (cm)	157.170
Housner Intensity (cm)	163.193
Sustained Maximum Acceleration (g)	0.111
Sustained Maximum Velocity (cm/sec)	25.988
Effective Design Acceleration (g)	0.207
A95 parameter (g)	0.205
Predominant Period (sec)	0.820
Mean Period (sec)	1.534
Significant Duration:	13.405

ID18969_4

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.285
Time of Max. Acceleration (sec)	9.200
Max. Velocity (cm/sec)	40.746
Time of Max. Velocity (sec)	9.060
Max. Displacement (cm)	14.288
Time of Max. Displacement (sec)	9.580
Vmax / Amax: (sec)	0.146
Acceleration RMS: (g)	0.034
Velocity RMS: (cm/sec)	4.899
Displacement RMS: (cm)	3.878
Arias Intensity: (m/sec)	0.729
Characteristic Intensity (Ic)	0.040
Specific Energy Density (cm2/sec)	959.431
Cumulative Absolute Velocity (cm/sec)	607.004
Acceleration Spectrum Intensity (g*sec)	0.238
Velocity Spectrum Intensity (cm)	131.627
Housner Intensity (cm)	122.954
Sustained Maximum Acceleration (g)	0.180
Sustained Maximum Velocity (cm/sec)	20.584
Effective Design Acceleration (g)	0.284
A95 parameter (g)	0.281
Predominant Period (sec)	0.400
Mean Period (sec)	0.697
Significant Duration:	7.200

ID18969_5

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.235
Time of Max. Acceleration (sec)	11.495
Max. Velocity (cm/sec)	31.878
Time of Max. Velocity (sec)	11.405
Max. Displacement (cm)	9.677
Time of Max. Displacement (sec)	61.890
Vmax / Amax: (sec)	0.138
Acceleration RMS: (g)	0.020
Velocity RMS: (cm/sec)	4.431
Displacement RMS: (cm)	6.197
Arias Intensity: (m/sec)	0.482
Characteristic Intensity (Ic)	0.025
Specific Energy Density (cm2/sec)	1472.700
Cumulative Absolute Velocity (cm/sec)	609.544
Acceleration Spectrum Intensity (g*sec)	0.231
Velocity Spectrum Intensity (cm)	105.094
Housner Intensity (cm)	106.370
Sustained Maximum Acceleration (g)	0.161
Sustained Maximum Velocity (cm/sec)	17.683
Effective Design Acceleration (g)	0.235
A95 parameter (g)	0.233
Predominant Period (sec)	0.340
Mean Period (sec)	0.904
Significant Duration:	12.145

ID18969_6

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.196
Time of Max. Acceleration (sec)	15.820
Max. Velocity (cm/sec)	26.211
Time of Max. Velocity (sec)	15.750
Max. Displacement (cm)	8.315
Time of Max. Displacement (sec)	19.475
Vmax / Amax: (sec)	0.136
Acceleration RMS: (g)	0.017
Velocity RMS: (cm/sec)	2.475
Displacement RMS: (cm)	3.921
Arias Intensity: (m/sec)	0.327
Characteristic Intensity (Ic)	0.019
Specific Energy Density (cm2/sec)	459.316
Cumulative Absolute Velocity (cm/sec)	478.065
Acceleration Spectrum Intensity (g*sec)	0.195
Velocity Spectrum Intensity (cm)	78.553
Housner Intensity (cm)	69.591
Sustained Maximum Acceleration (g)	0.145
Sustained Maximum Velocity (cm/sec)	12.186
Effective Design Acceleration (g)	0.196
A95 parameter (g)	0.194
Predominant Period (sec)	0.260
Mean Period (sec)	0.627
Significant Duration:	11.790

ID18969_7

Parameter	Corrected Accelerogram
Max. Acceleration (g)	0.192
Time of Max. Acceleration (sec)	14.060
Max. Velocity (cm/sec)	12.888
Time of Max. Velocity (sec)	13.970
Max. Displacement (cm)	12.783
Time of Max. Displacement (sec)	131.990
Vmax / Amax: (sec)	0.068
Acceleration RMS: (g)	0.010
Velocity RMS: (cm/sec)	0.846
Displacement RMS: (cm)	6.764
Arias Intensity: (m/sec)	0.217
Characteristic Intensity (Ic)	0.012
Specific Energy Density (cm2/sec)	94.408
Cumulative Absolute Velocity (cm/sec)	341.313
Acceleration Spectrum Intensity (g*sec)	0.159
Velocity Spectrum Intensity (cm)	43.592
Housner Intensity (cm)	29.686
Sustained Maximum Acceleration (g)	0.117
Sustained Maximum Velocity (cm/sec)	6.455
Effective Design Acceleration (g)	0.191
A95 parameter (g)	0.191
Predominant Period (sec)	0.320
Mean Period (sec)	0.352
Significant Duration:	6.390

VALORI MEDI	
Max. Acceleration (g)	0.220
Time of Max. Acceleration (sec)	11.140
Max. Velocity (cm/sec)	28.376
Time of Max. Velocity (sec)	11.105
Max. Displacement (cm)	10.349
Time of Max. Displacement (sec)	35.728
Vmax / Amax: (sec)	0.132
Acceleration RMS: (g)	0.023
Velocity RMS: (cm/sec)	3.887
Displacement RMS: (cm)	4.049
Arias Intensity: (m/sec)	0.422
Characteristic Intensity (Ic)	0.025
Specific Energy Density (cm2/sec)	926.000
Cumulative Absolute Velocity (cm/sec)	505.657
Acceleration Spectrum Intensity (g*sec)	0.180
Velocity Spectrum Intensity (cm)	96.767
Housner Intensity (cm)	91.385
Sustained Maximum Acceleration (g)	0.143
Sustained Maximum Velocity (cm/sec)	15.778
Effective Design Acceleration (g)	0.219
A95 parameter (g)	0.218
Predominant Period (sec)	0.391
Mean Period (sec)	0.777
Significant Duration (sec):	9.869