

## README for Ground Motion Time Histories for the Van Nuys Testbed

### File Naming Conventions

Data Files                R\_E\_S.C  
Plot Files                R\_E\_S\_T.C

**R** = Return period (02in50, 10in50, or 50in50)

**E** = 2 character Earthquake code

NPS - North Palm Springs, 1986/7/8  
NR - Northridge, 1994/1/17  
SF - San Fernando, 1971/2/9  
WH - Whittier Narrows, 1987/1/1

**S** = Station code

253 Los Angeles, 14724 Ventura Blvd.  
461 Los Angeles, 15910 Ventura Blvd.  
466 Los Angeles, 15250 Ventura Blvd.  
athl Cal Tech, Brown Athletic Building  
cnpk Canoga Park, Topanga Canyon Blvd.  
env1 Encino, Ventura Blvd. #1  
env9 Encino, Ventura Blvd. #9  
glen Glendale, Muni. Bldg., 633 E. Broadway  
nhl2 North Hollywood, Lankershim Blvd. #1  
nord Arleta, Nordhoff Fire Station  
nrr1 Northridge, Roscoe #1  
plma Palm Springs Airport  
rosc Sun Valley, 13248 Roscoe Blvd.  
spva Sepulveda VA Hospital - ground  
vns1 Van Nuys, Sherman Way #1  
vnsc Van Nuys - Sherman Circle #1  
vnuy Van Nuys - 7-Story Hotel  
whox Woodland Hills, Oxnard Street #4

**T** = Data Type represented on a plot

rsp Response Spectra  
th Acceleration Time History

**C** = Component

lng Longitudinal  
trn Transverse  
ver Vertical

### Acceleration Time History Data Format

Line 1 Station abbreviation  
Component  
Title  
Line 2 Number of points  
Time increment  
Line 3 Data in (6e13.5) format

Time Histories Scaled to 50% in 50 Year Hazard Level			
Filename	Number of Data Points	Time Step	PGA (cm/sec/sec)
50in50_NPS_plma.lng	12001	.005	478.8
50in50_NPS_plma.trn			365.0
50in50_NPS_plma.ver			408.0
50in50_NR_env1.lng	1500	.020	213.8
50in50_NR_env1.trn			124.3
50in50_NR_env1.ver			150.6
50in50_NR_env9.lng	3000	.020	125.6
50in50_NR_env9.trn			220.9
50in50_NR_env9.ver			83.3
50in50_NR_nhl2.lng	3000	.020	125.5
50in50_NR_nhl2.trn			217.9
50in50_NR_nhl2.ver			110.1
50in50_NR_vnsc.lng	3000	.020	545.2
50in50_NR_vnsc.trn			403.2
50in50_NR_vnsc.ver			397.4
50in50_NR_whoX.lng	3000	.20	237.4
50in50_NR_whoX.trn			303.1
50in50_NR_whoX.ver			317.6
50in50_SF_253.lng	1825	.020	349.7
50in50_SF_253.trn			459.4
50in50_SF_253.ver			169.9
50in50_SF_466.lng	2014	.020	260.0
50in50_SF_466.trn			346.6
50in50_SF_466.ver			152.9
50in50_SF_vnuy.lng	2975	.020	97.1
50in50_SF_vnuy.trn			183.9
50in50_SF_vnuy.ver			123.6
50in50_WH_athl.lng	7199	.005	566.9
50in50_WH_athl.trn			630.3
50in50_WH_athl.ver			613.4

Time Histories Scaled to 10% in 50 Year Hazard Level			
Filename	Number of Data Points	Time Step	PGA (cm/sec/sec)
10in50_NR_cnpk.lng	2499	.010	882.3
10in50_NR_cnpk.trn			674.5
10in50_NR_cnpk.ver			997.7
10in50_NR_spva.lng	1220	.020	1130.7
10in50_NR_spva.trn			905.9
10in50_NR_spva.ver			562.6
10in50_NR_vnsc.lng	3000	.020	1375.9
10in50_NR_vnsc.trn			1017.6
10in50_NR_vnsc.ver			1003.0
10in50_NR_vnuy.lng	1154	.020	878.5
10in50_NR_vnuy.trn			770.2
10in50_NR_vnuy.ver			570.3
10in50_NR_whoX.lng	3000	.020	599.0
10in50_NR_whoX.trn			765.0
10in50_NR_whoX.ver			801.6
10in50_SF_253.lng	1825	.020	882.5
10in50_SF_253.trn			1159.5
10in50_SF_253.ver			428.8
10in50_SF_461.lng	2828	.020	648.3
10in50_SF_461.trn			571.9
10in50_SF_461.ver			437.6
10in50_SF_466.lng	2014	.020	656.2
10in50_SF_466.trn			874.7
10in50_SF_466.ver			385.9
10in50_SF_glen.lng	2723	.020	858.3
10in50_SF_glen.trn			896.1
10in50_SF_glen.ver			505.5
10in50_SF_vnuy.lng	2975	.020	244.9
10in50_SF_vnuy.trn			464.0
10in50_SF_vnuy.ver			311.9

Time Histories Scaled to 2% in 50 Year Hazard Level			
Filename	Number of Data Points	Time Step	PGA (cm/sec/sec)
02in50_NR_env1.lng	1500	.020	574.2
02in50_NR_env1.trn			987.7
02in50_NR_env1.ver			695.6
02in50_NR_env9.lng	3000	.020	1020.5
02in50_NR_env9.trn			579.9
02in50_NR_env9.ver			384.8
02in50_NR_nhl2.lng	3000	.020	1006.4
02in50_NR_nhl2.trn			579.8
02in50_NR_nhl2.ver			508.8
02in50_NR_nord.lng	2000	.020	1088.1
02in50_NR_nord.trn			1215.1
02in50_NR_nord.ver			1950.8
02in50_NR_nrr1.lng	876	.020	1346.0
02in50_NR_nrr1.trn			1260.9
02in50_NR_nrr1.ver			1069.1
02in50_NR_rosc.lng	3028	.010	861.8
02in50_NR_rosc.trn			1262.4
02in50_NR_rosc.ver			870.5
02in50_NR_spva.lng	1220	.020	1657.9
02in50_NR_spva.trn			2069.4
02in50_NR_spva.ver			1029.7
02in50_NR_vns1.lng	3000	.020	868.7
02in50_NR_vns1.trn			1194.1
02in50_NR_vns1.ver			806.0
02in50_NR_vnuy.lng	1153	.020	770.2
02in50_NR_vnuy.trn			878.5
02in50_NR_vnuy.ver			570.3
02in50_SF_vnuy.lng	2975	.020	849.3
02in50_SF_vnuy.trn			448.3
02in50_SF_vnuy.ver			570.8