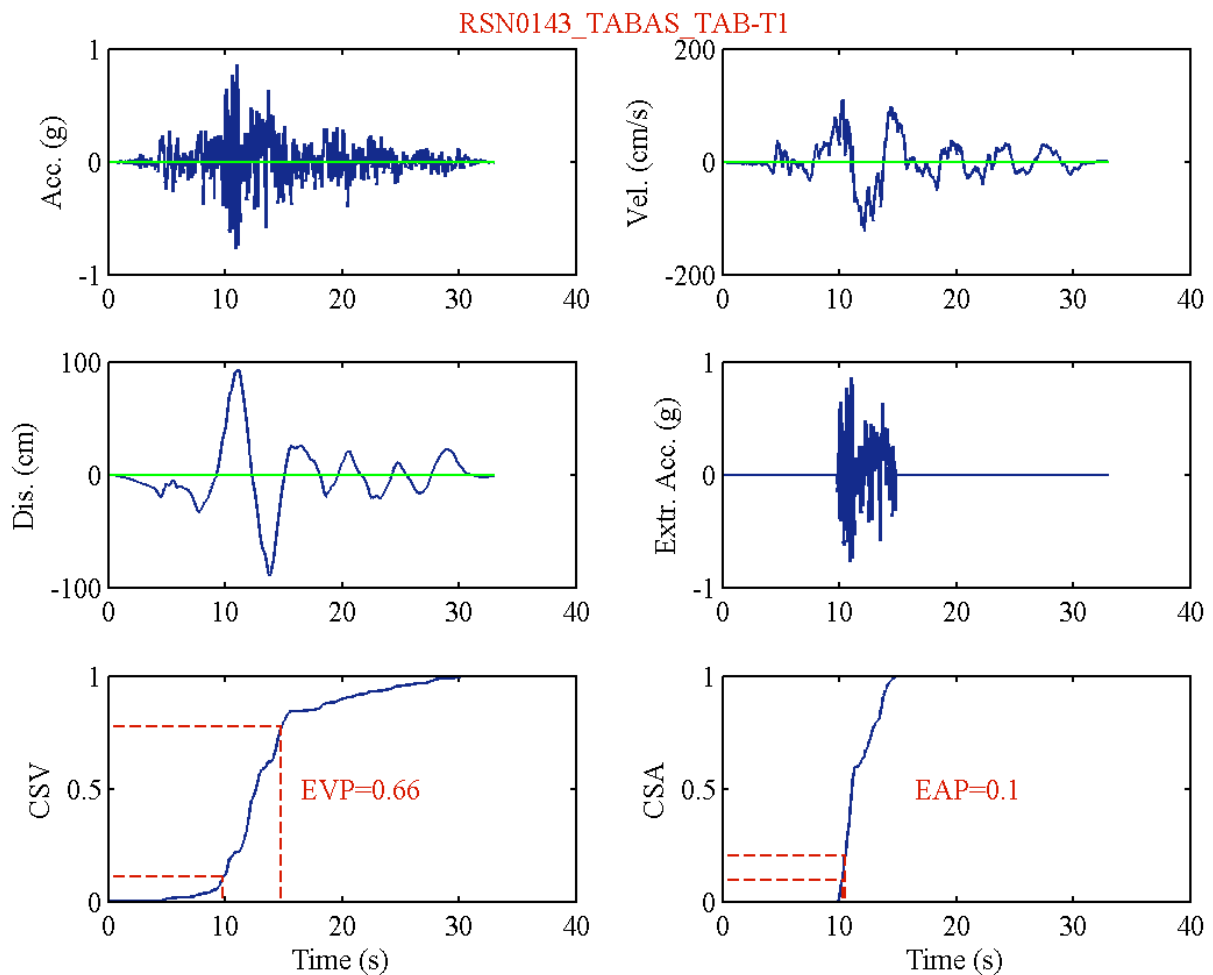
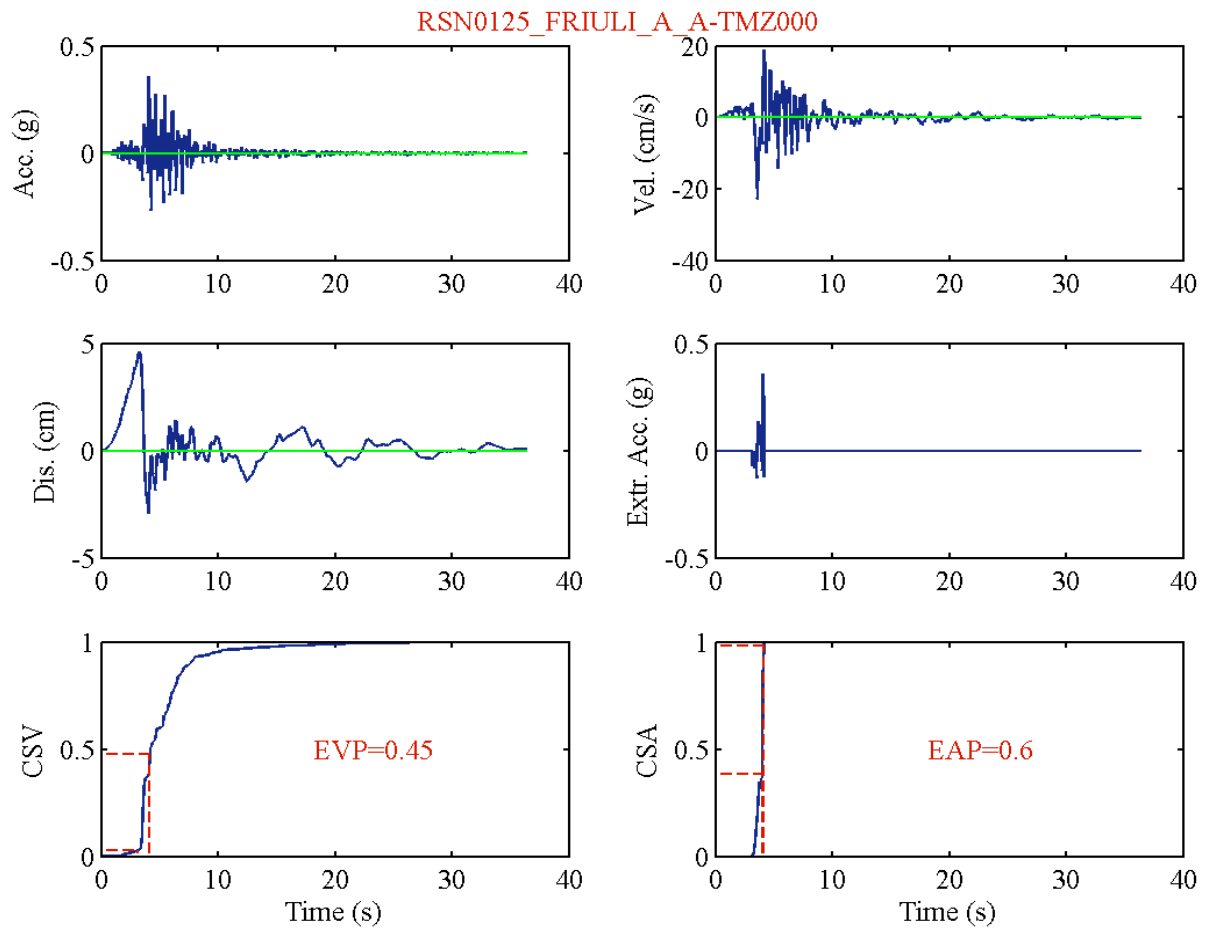
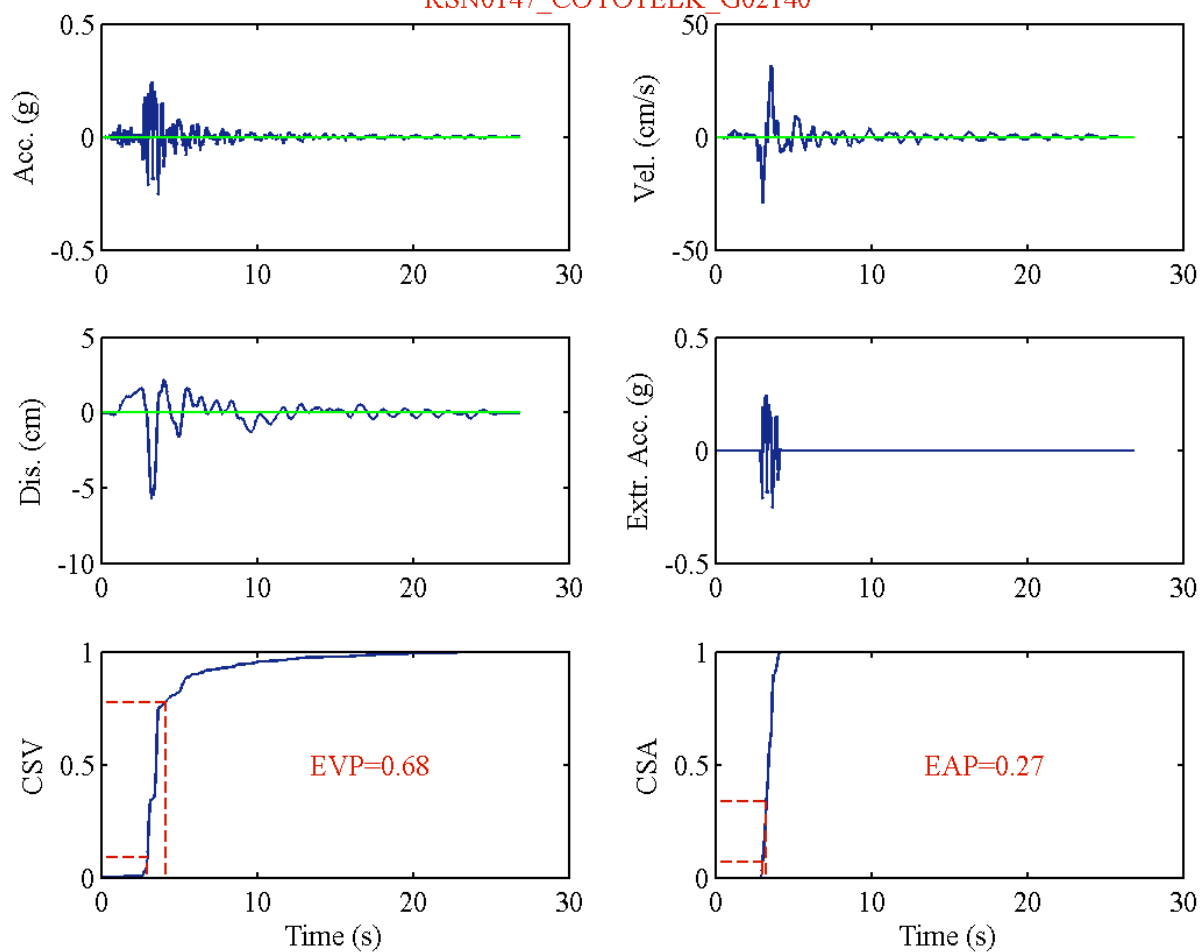


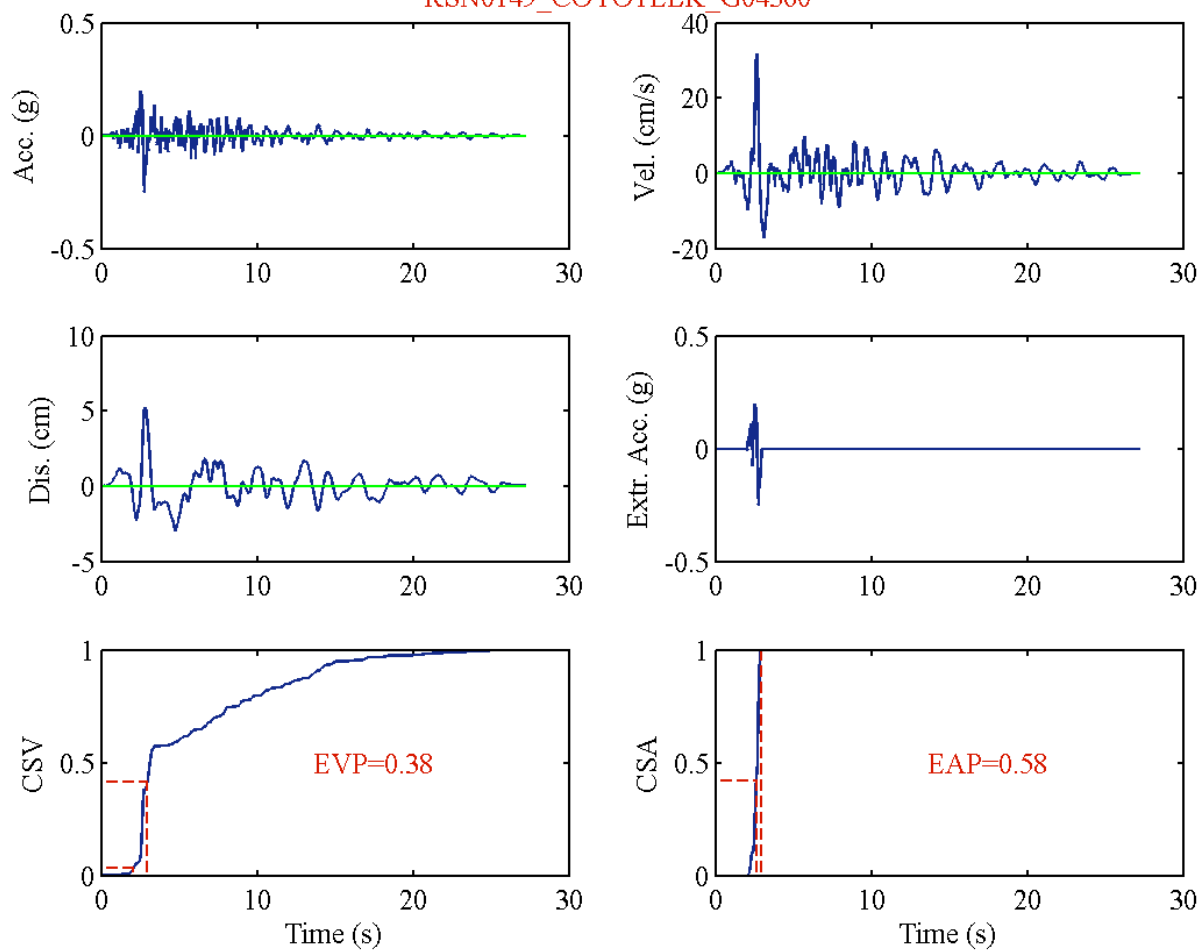
## S2. Plots for the 234 Velocity-Pulse-Like Ground Motions



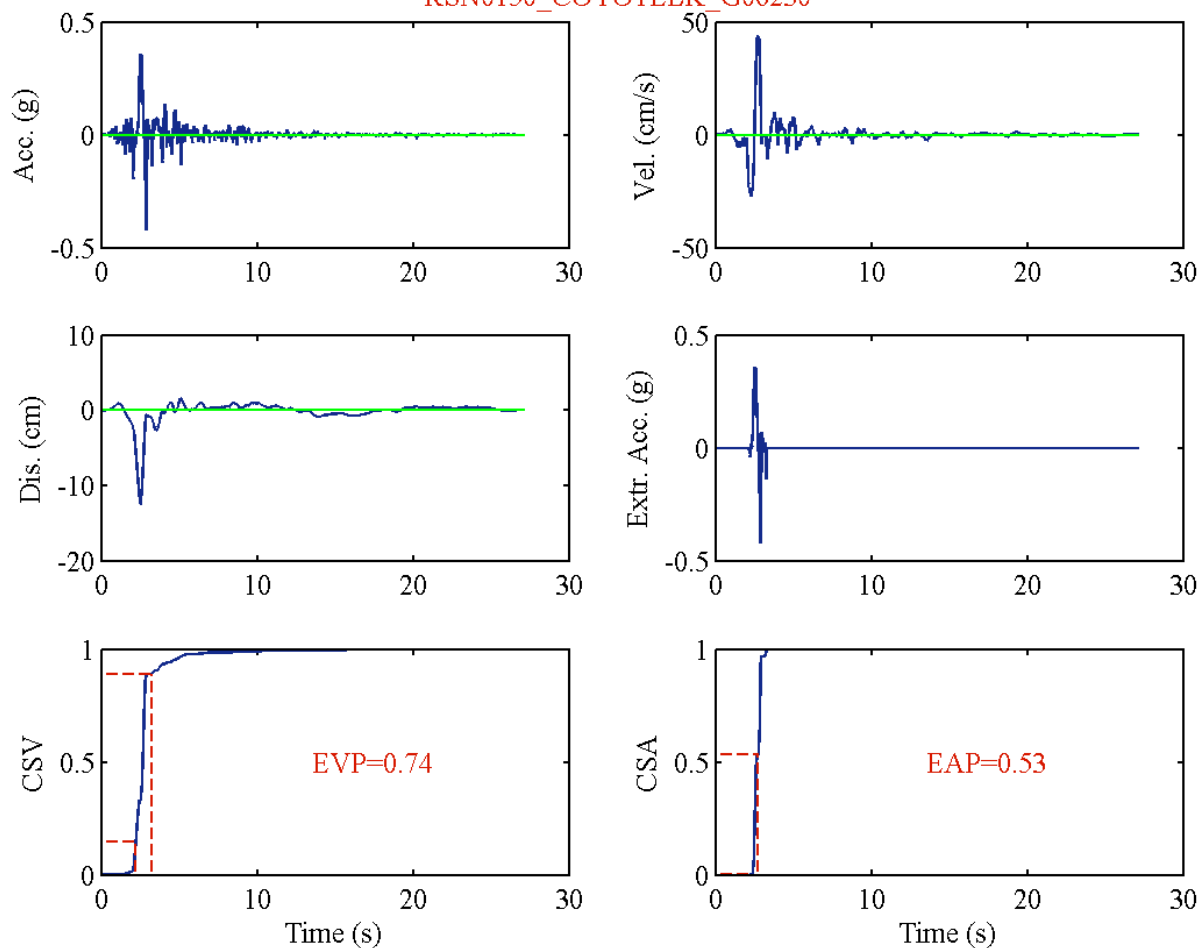
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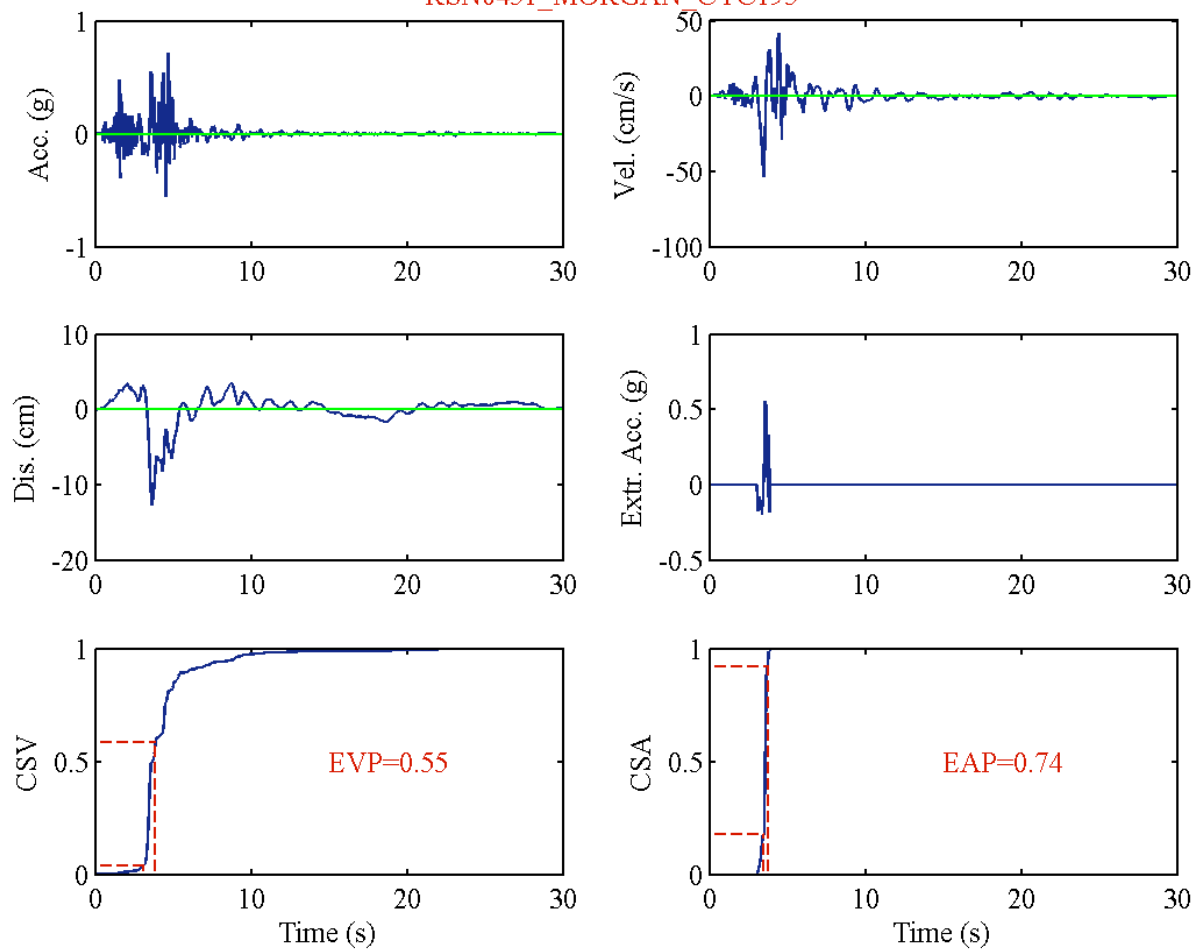
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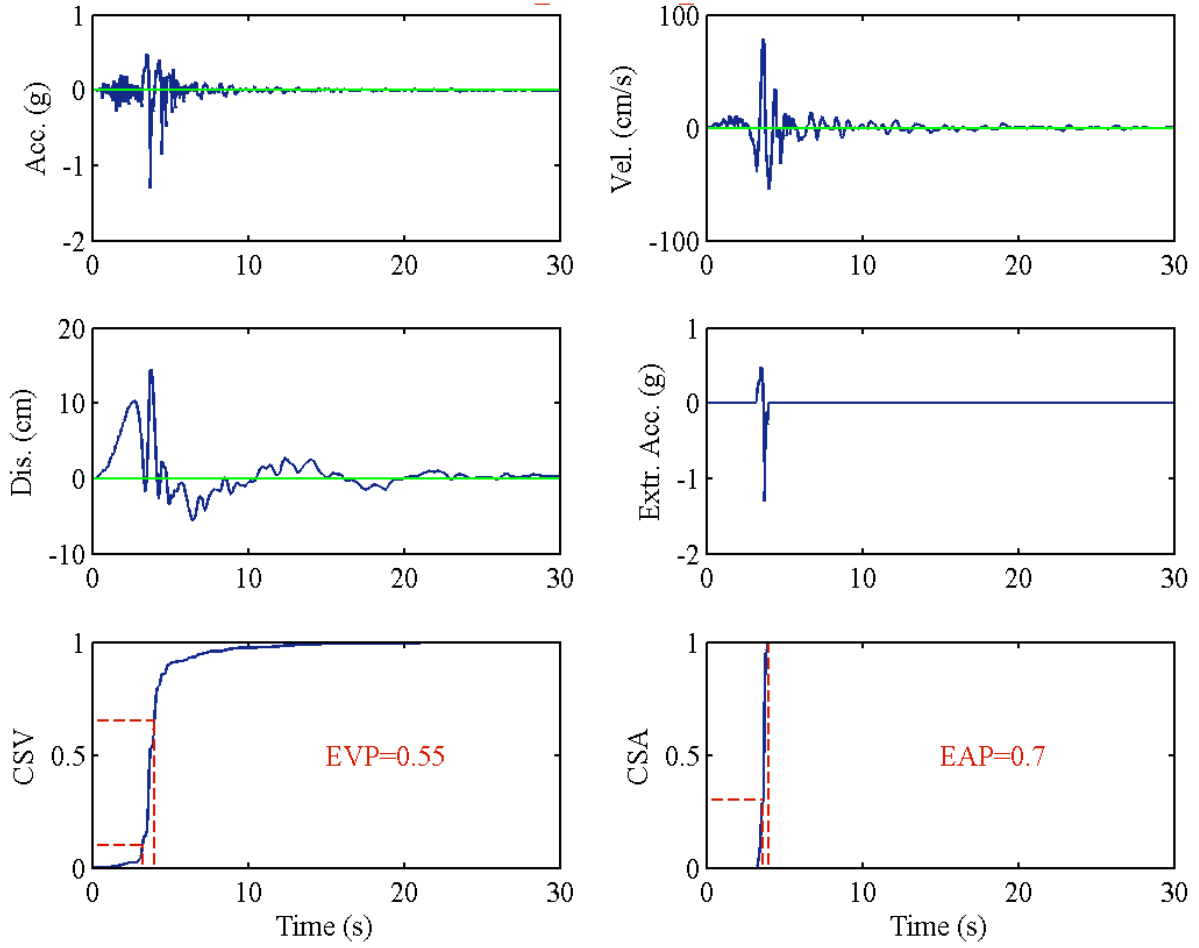
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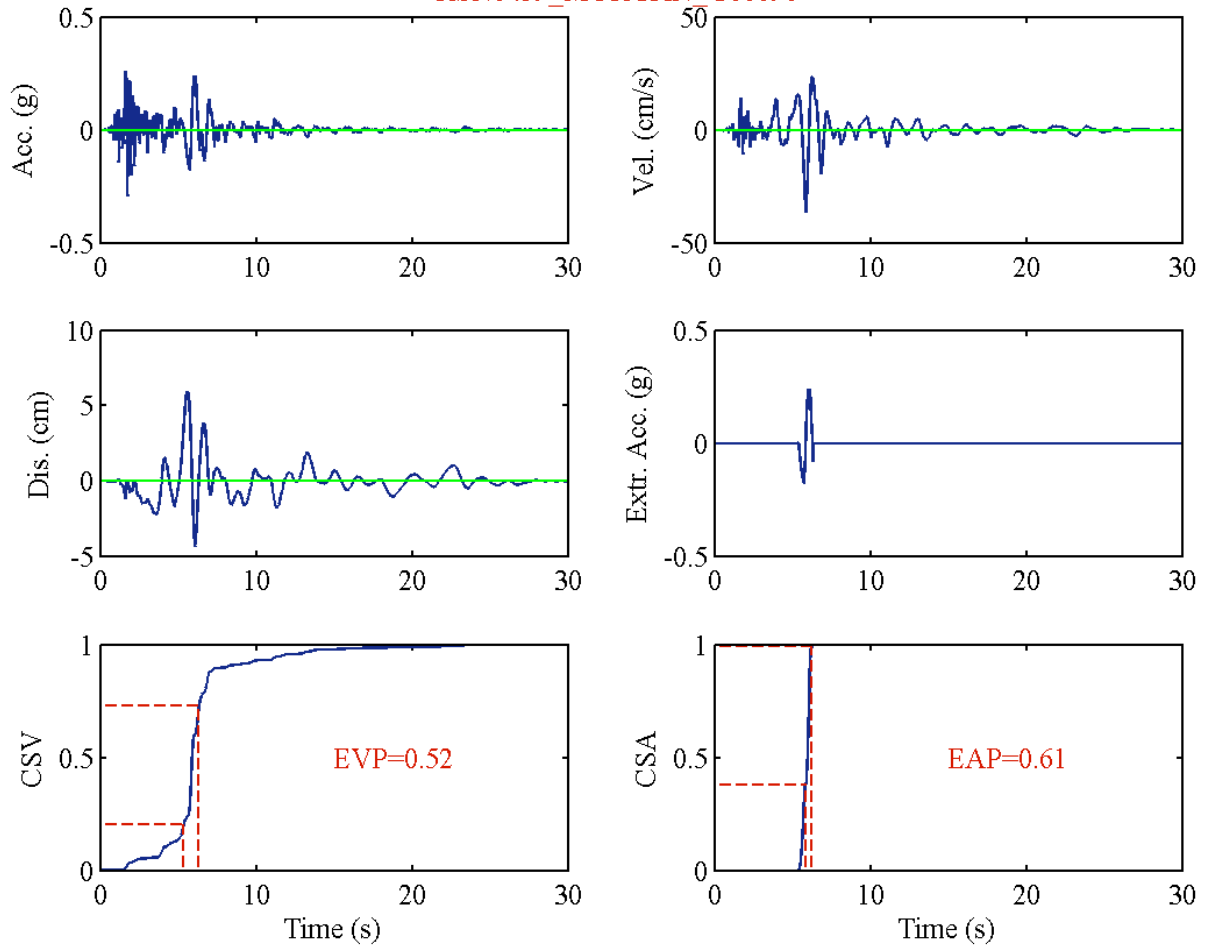
RSN0451\_MORGAN\_CYC195



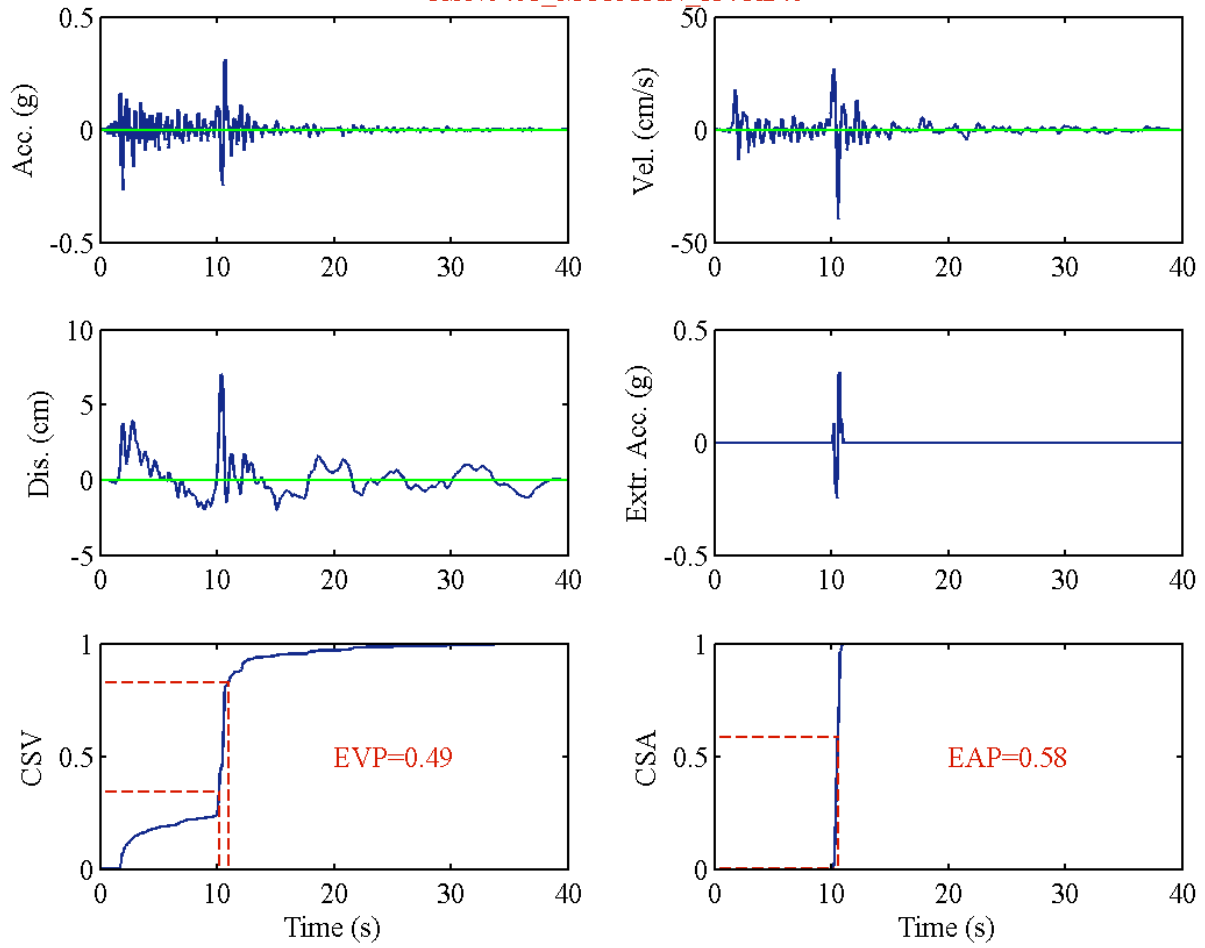
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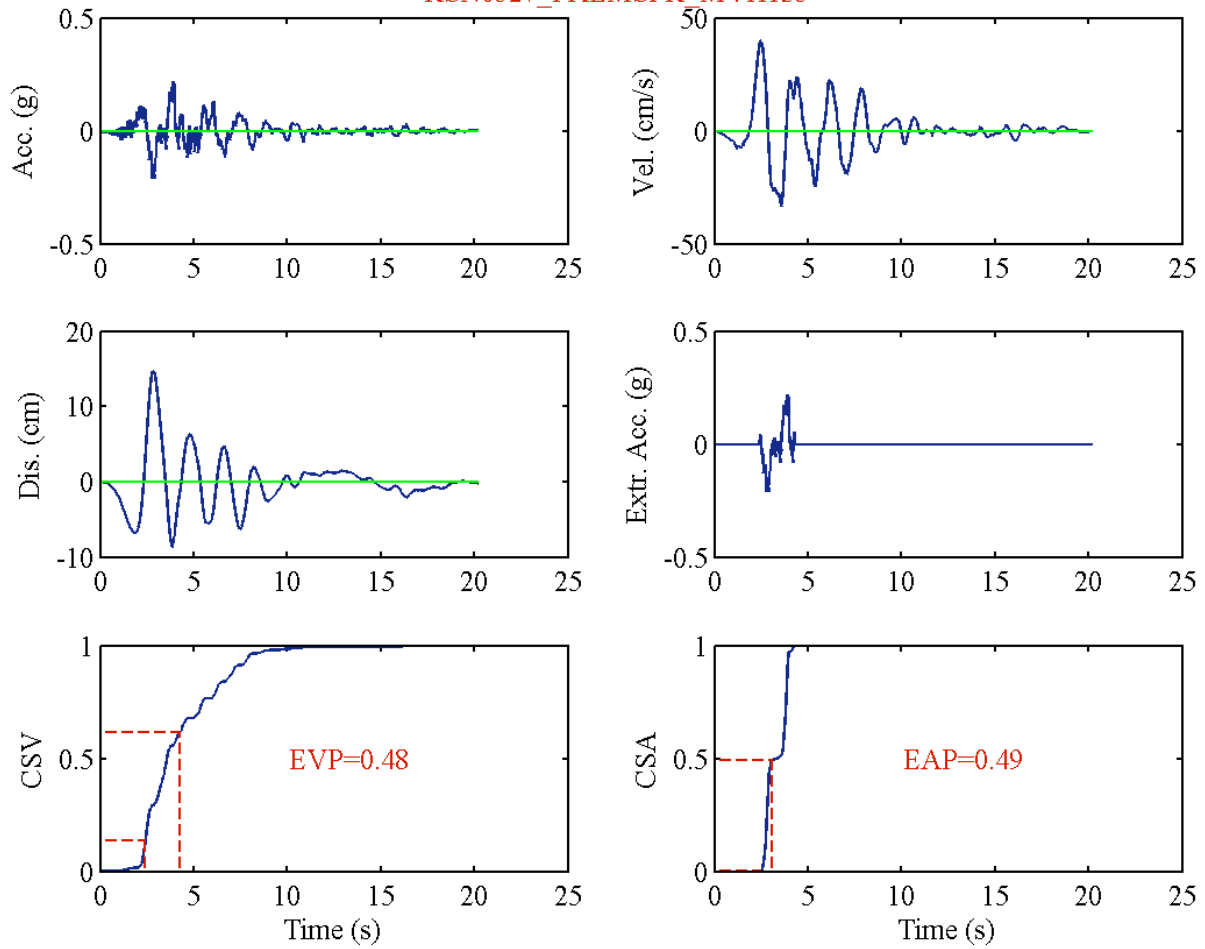
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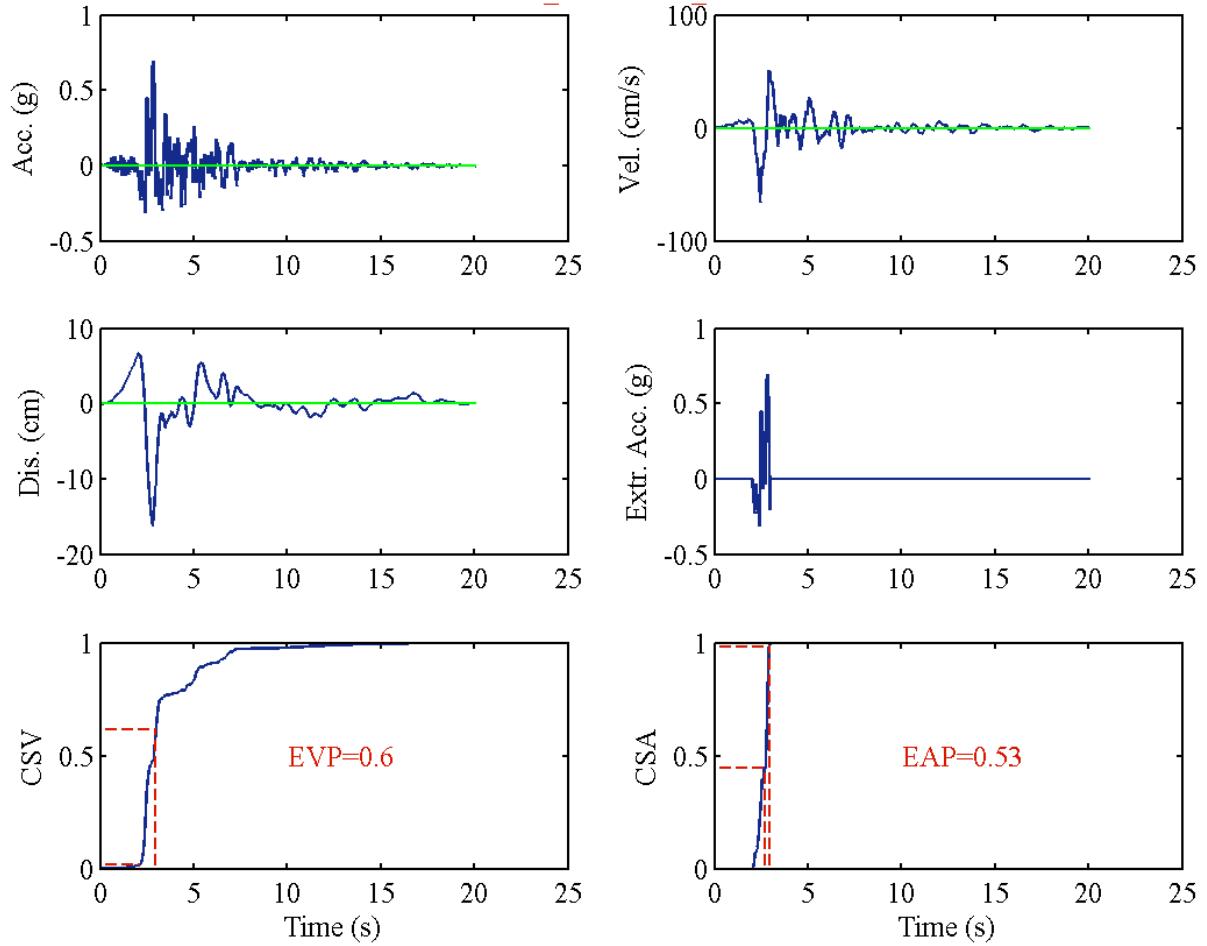
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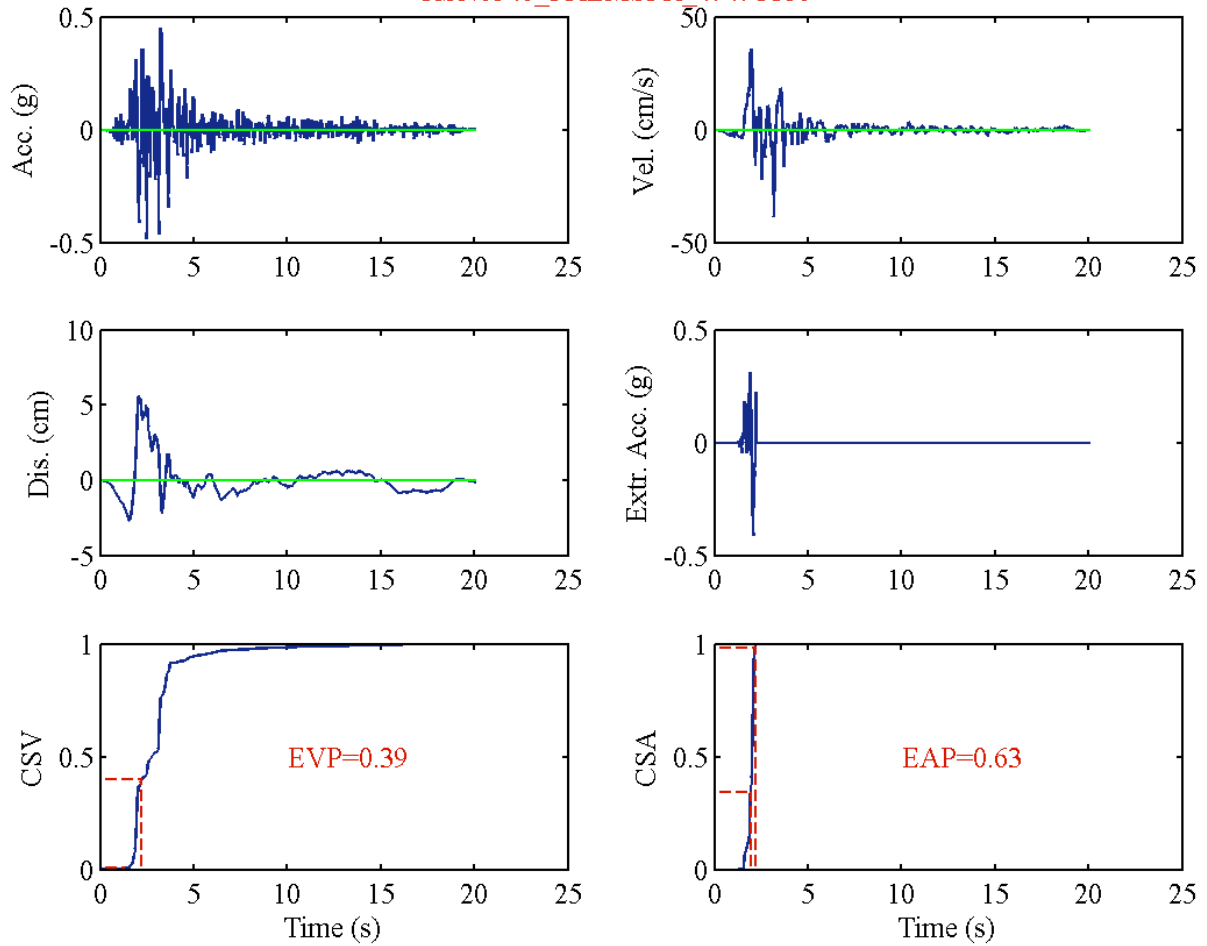
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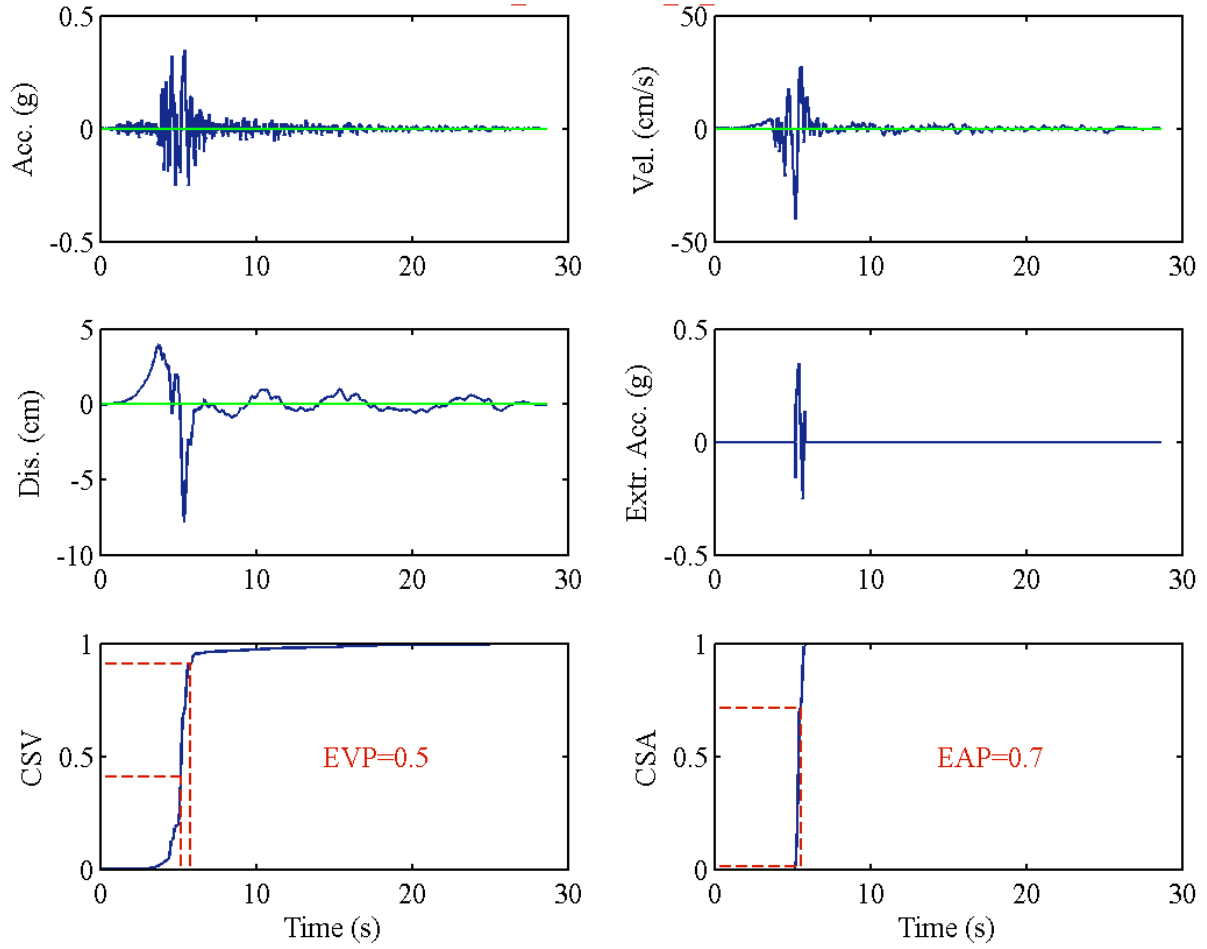
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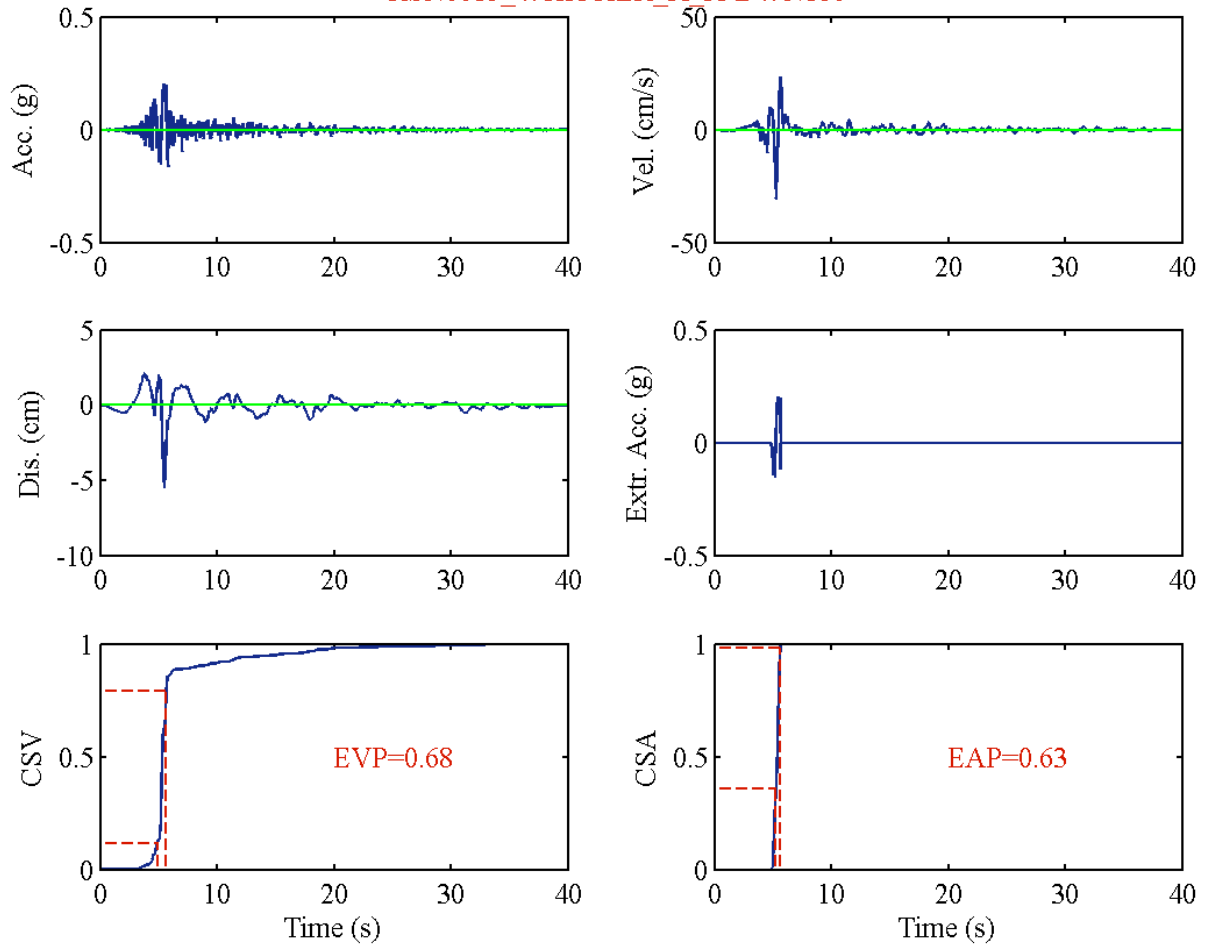
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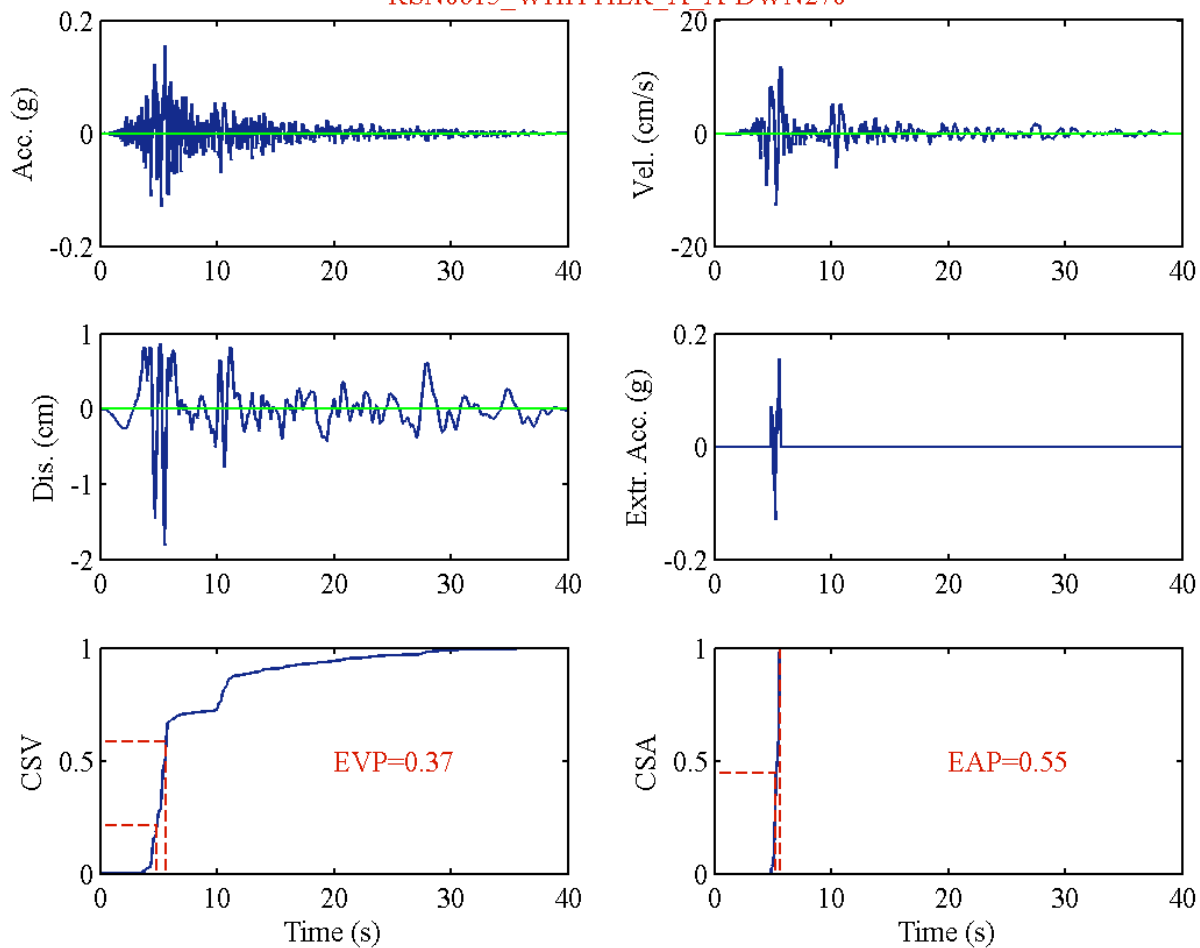
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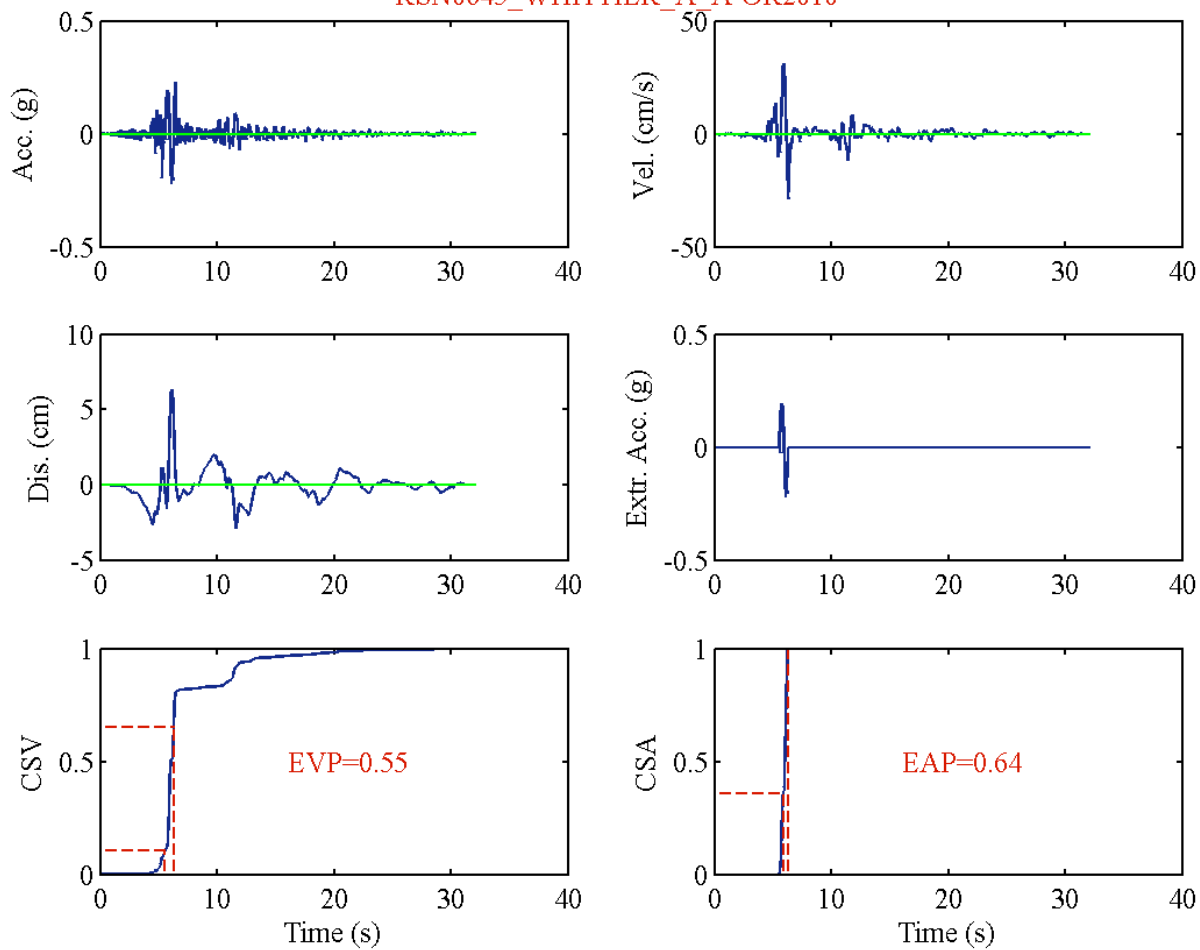
RSN0615\_WHITTIER\_A A-DWN180



RSN0615\_WHITTIER\_A\_A-DWN270

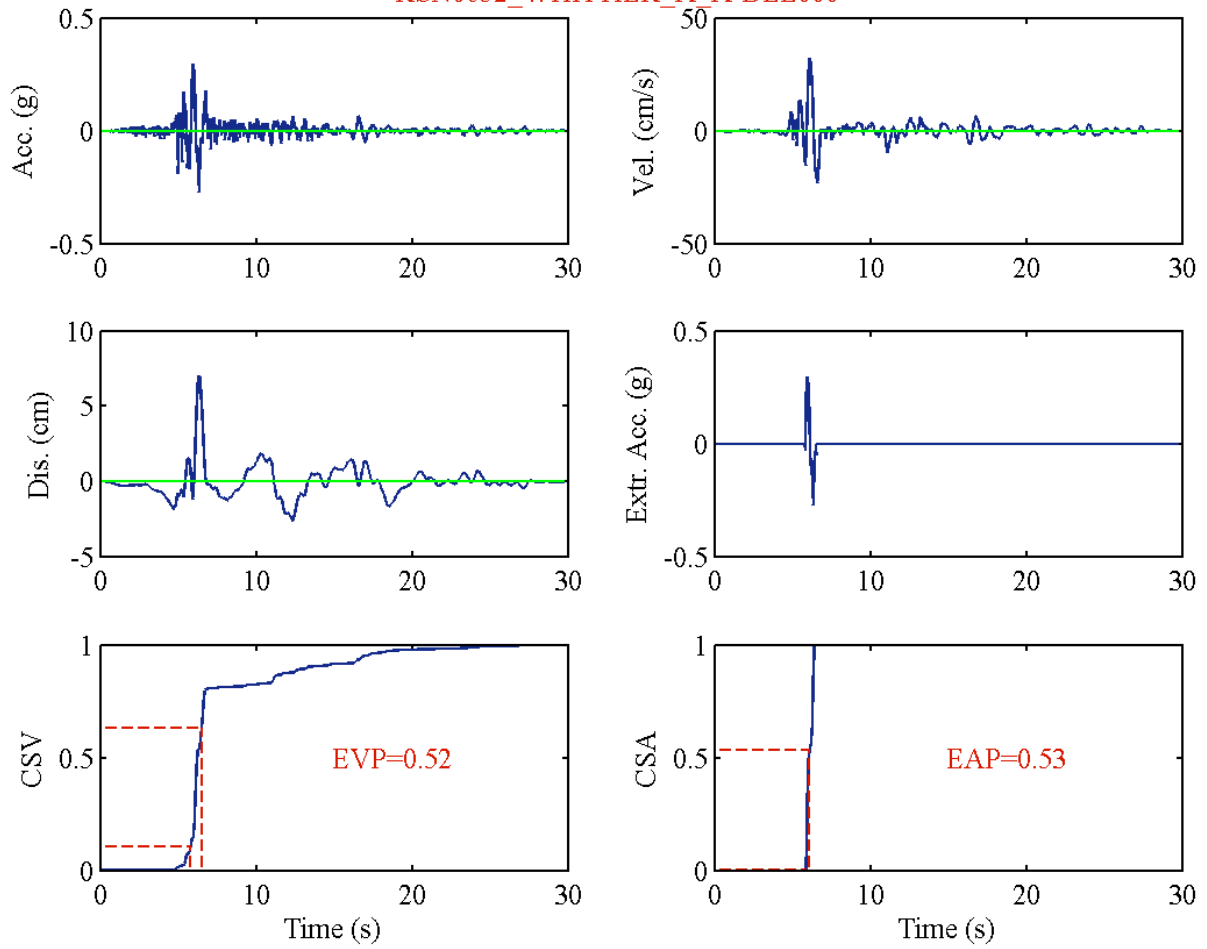


RSN0645\_WHITTIER\_A\_A-OR2010

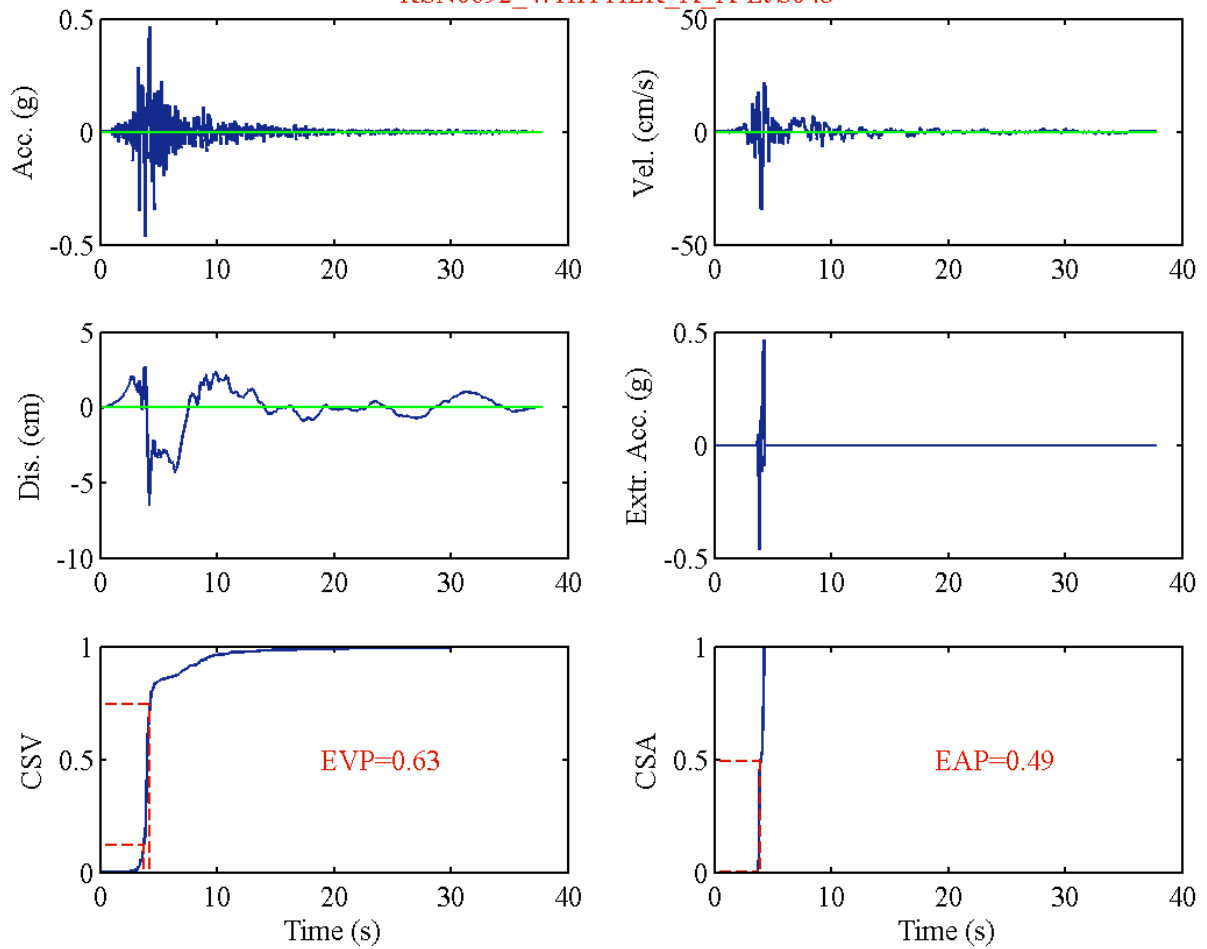




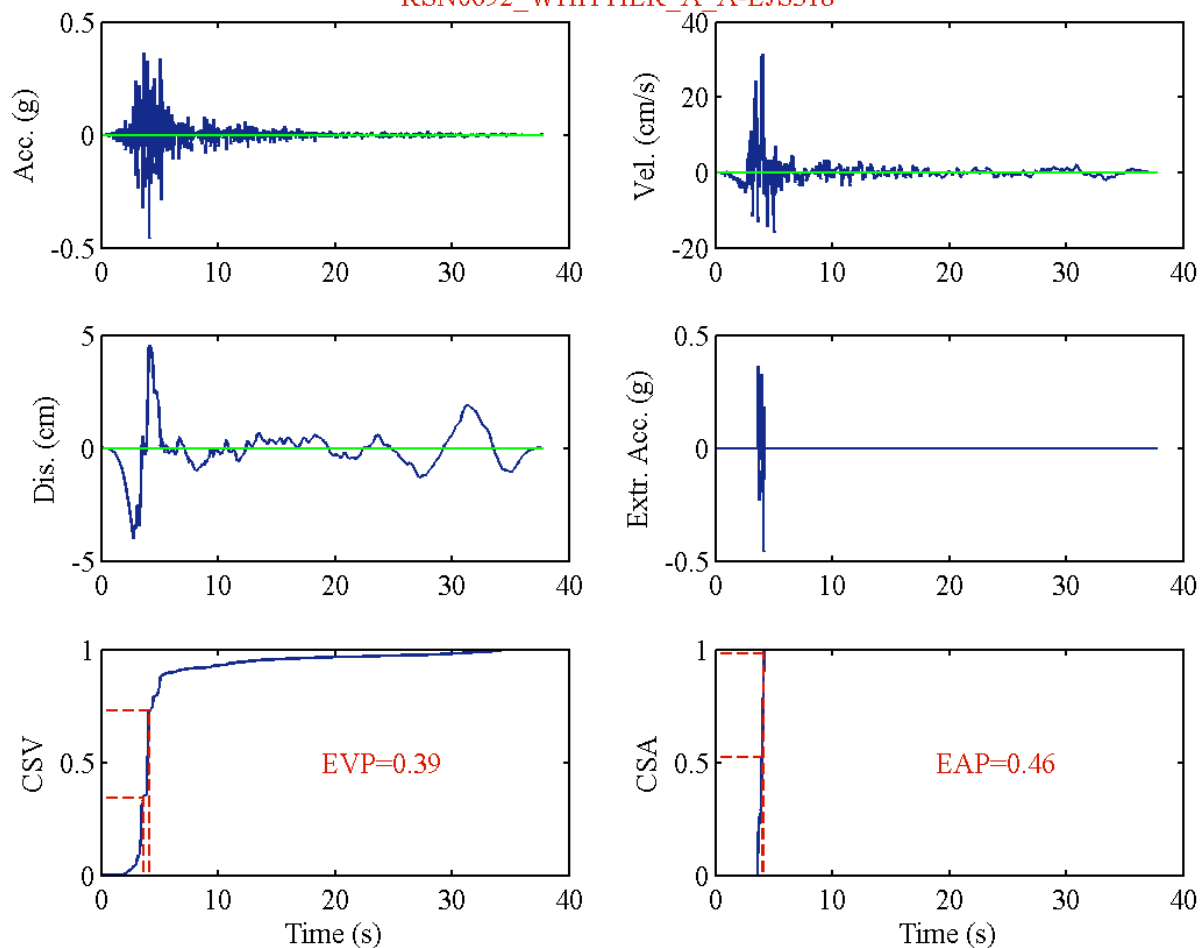
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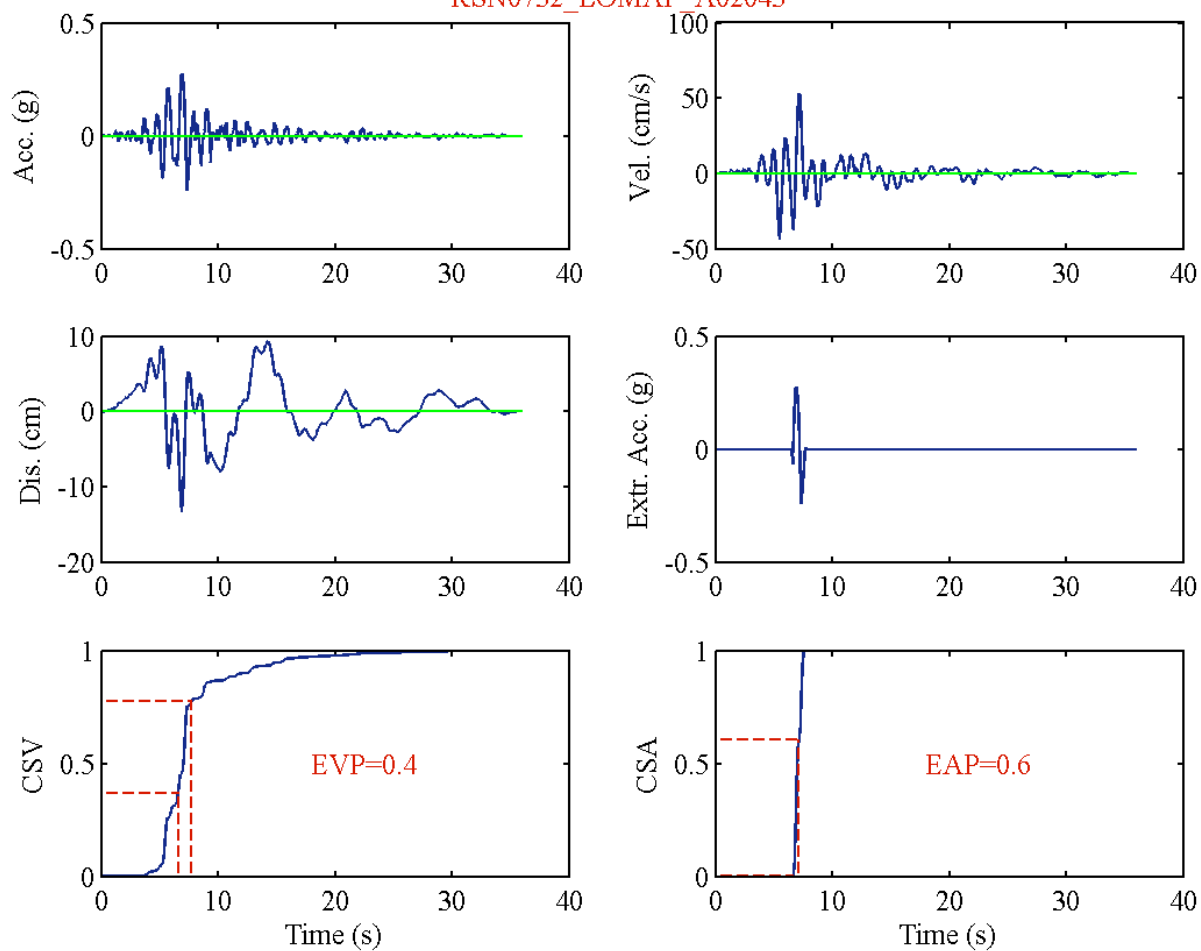
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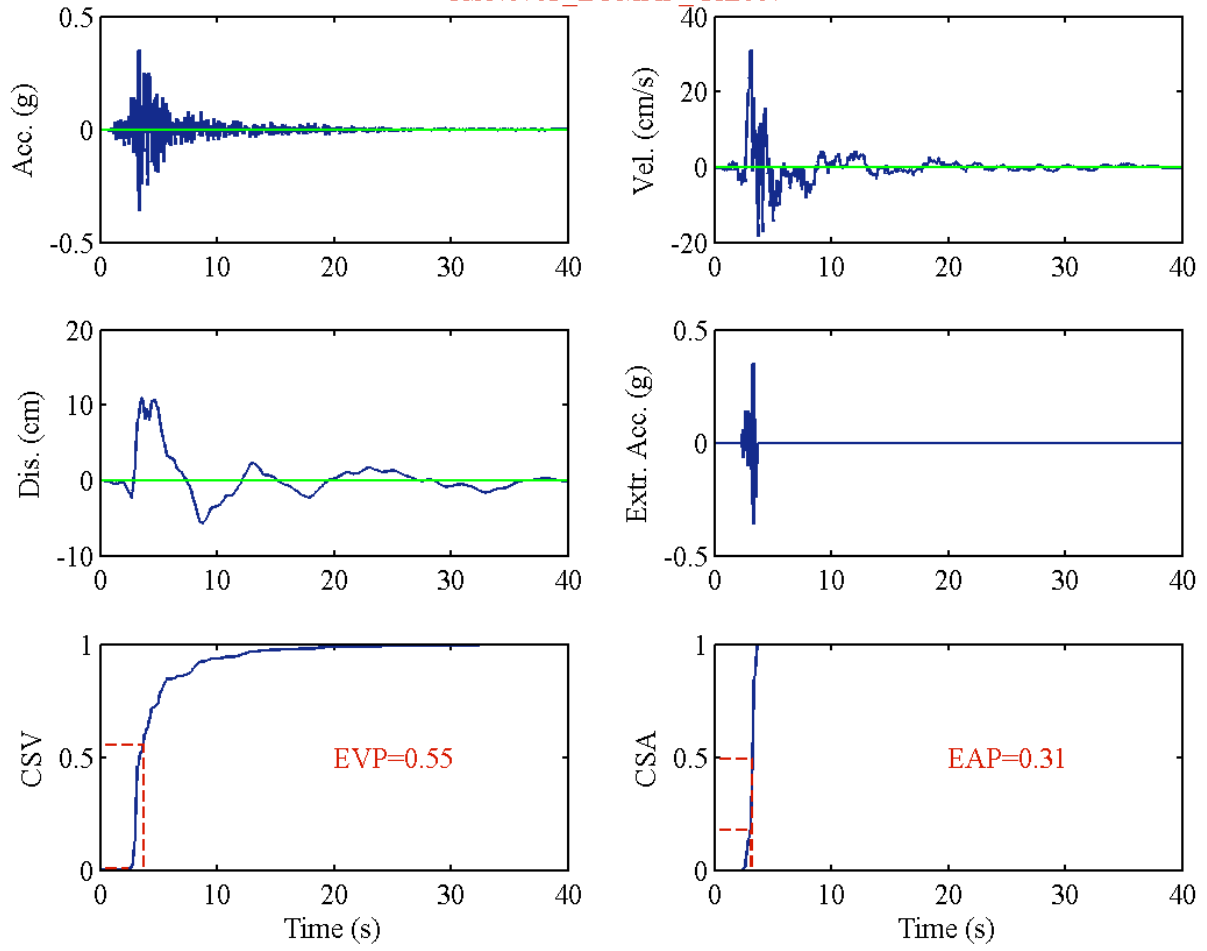
RSN0692\_WHITTIER\_A\_A-EJS318



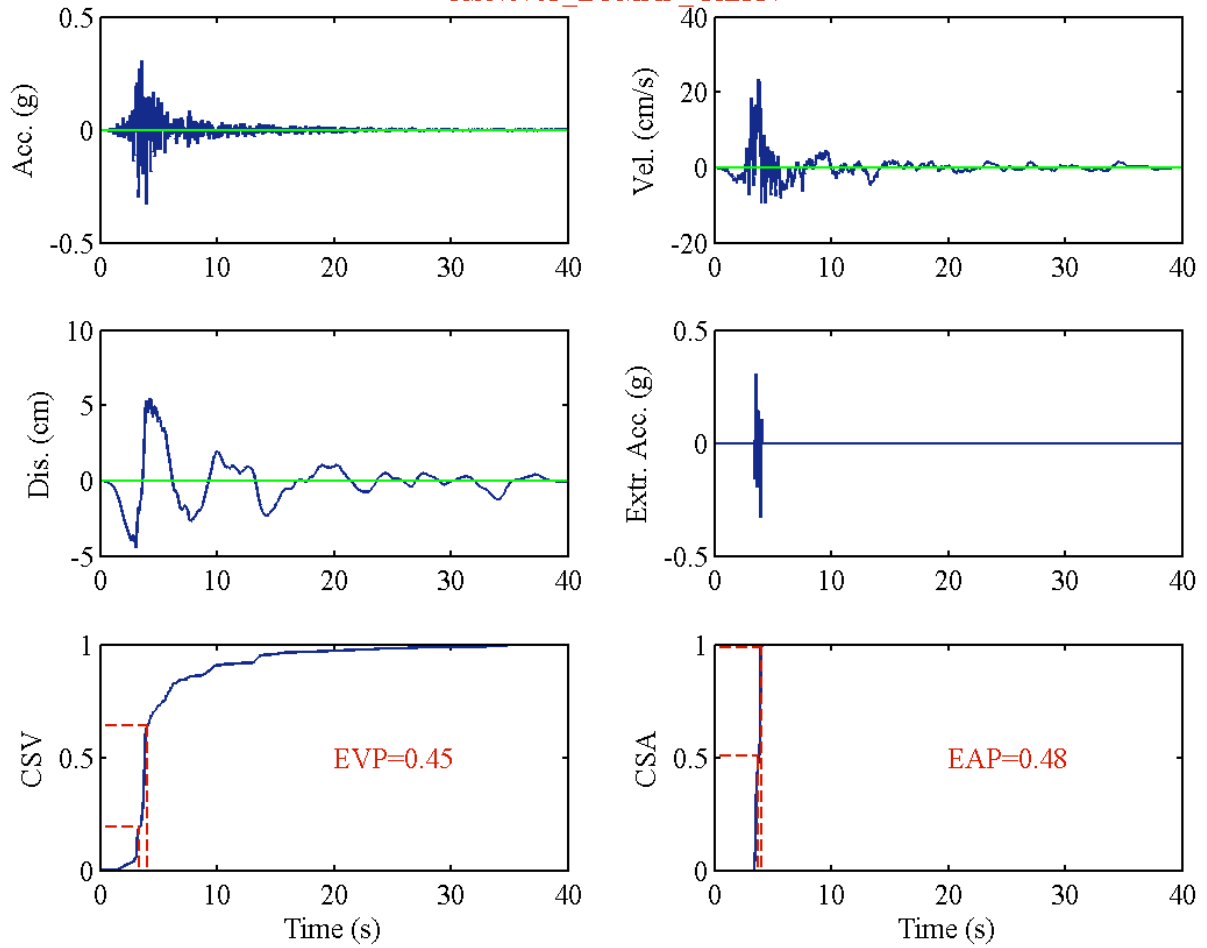
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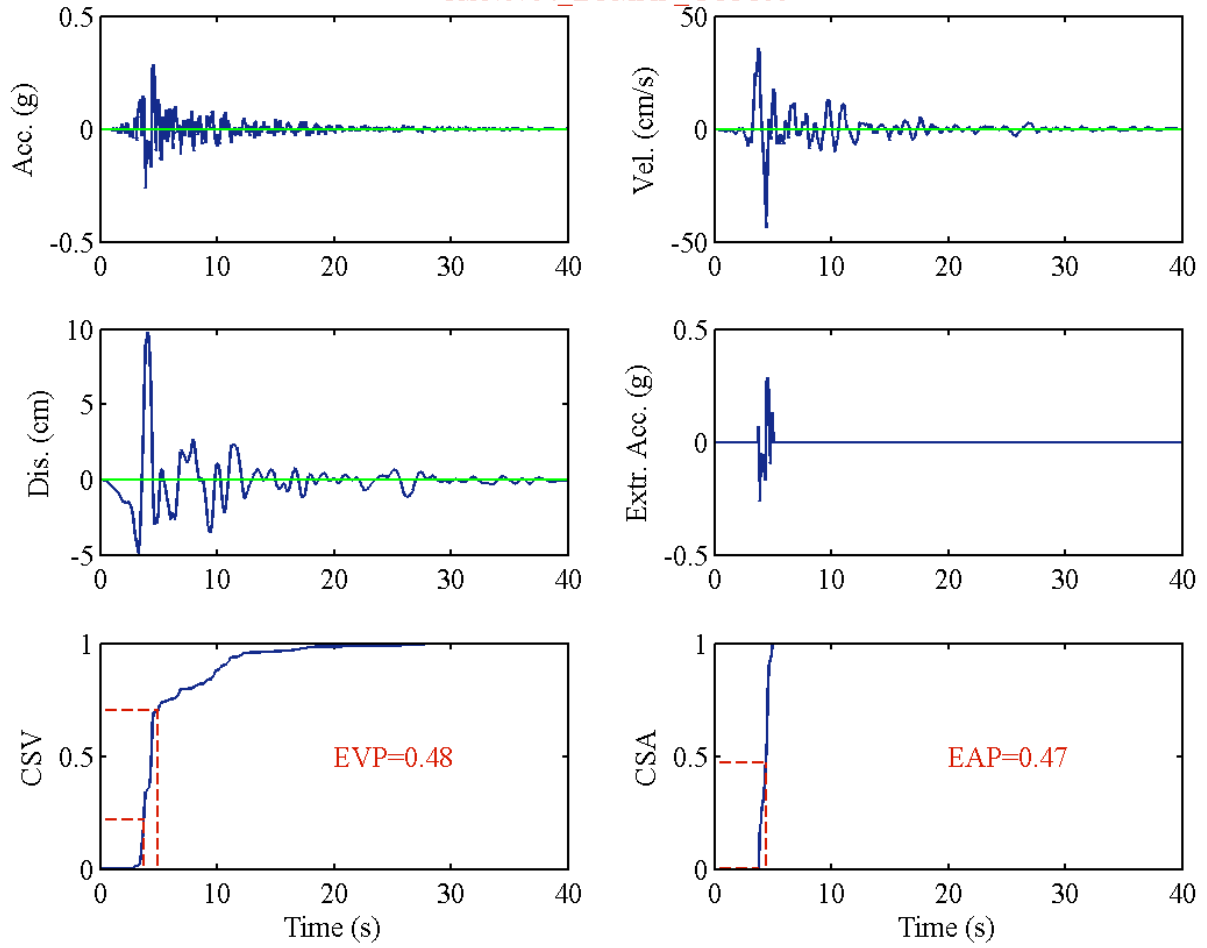
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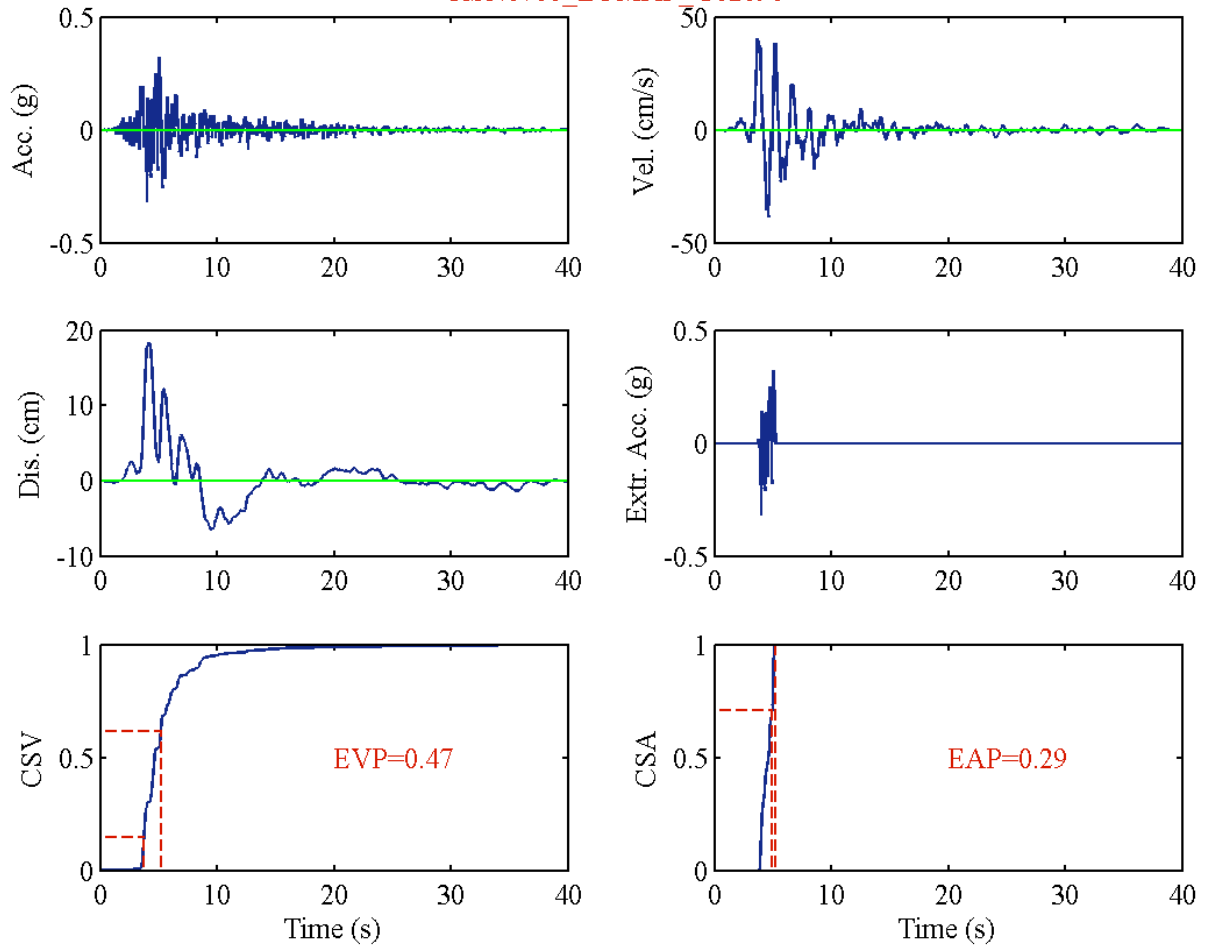
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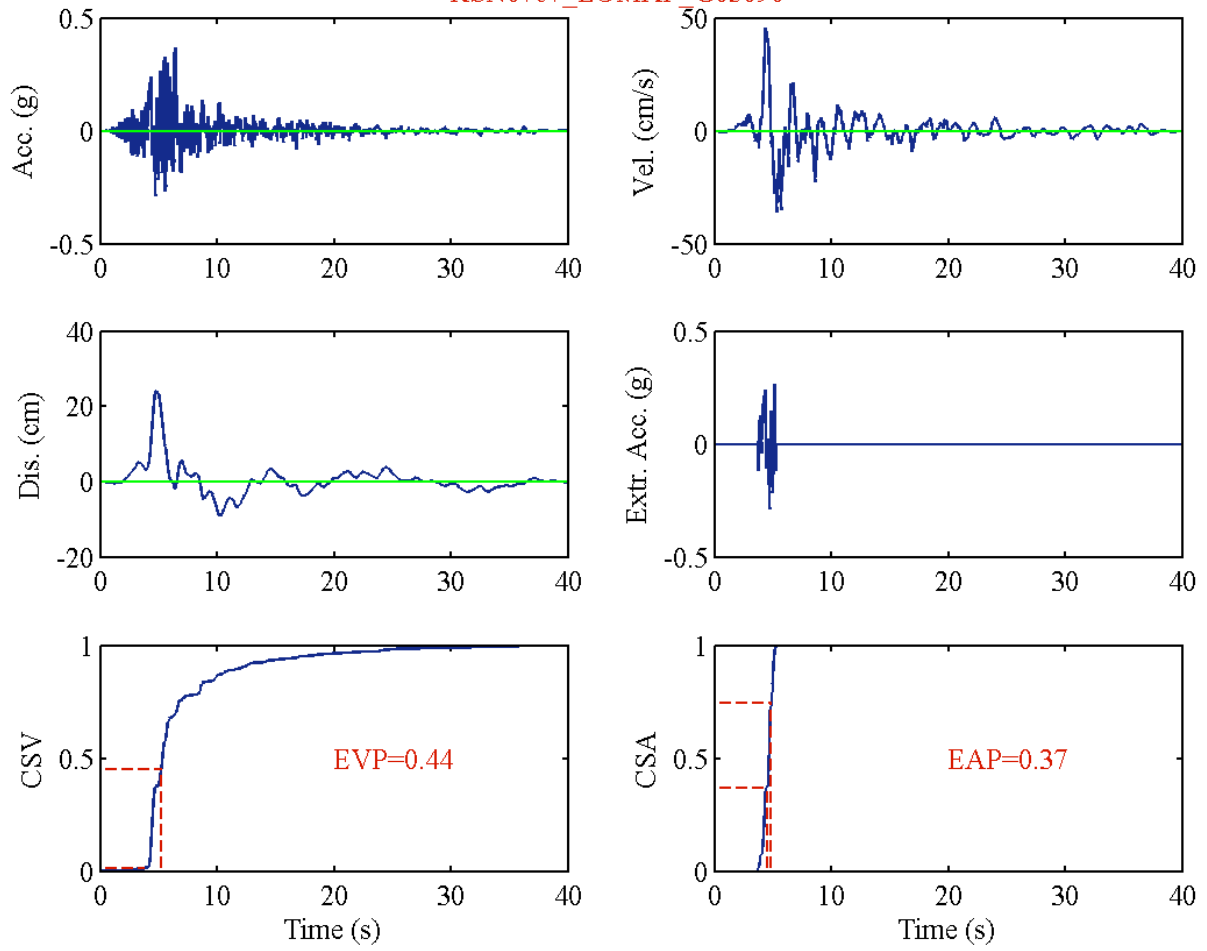
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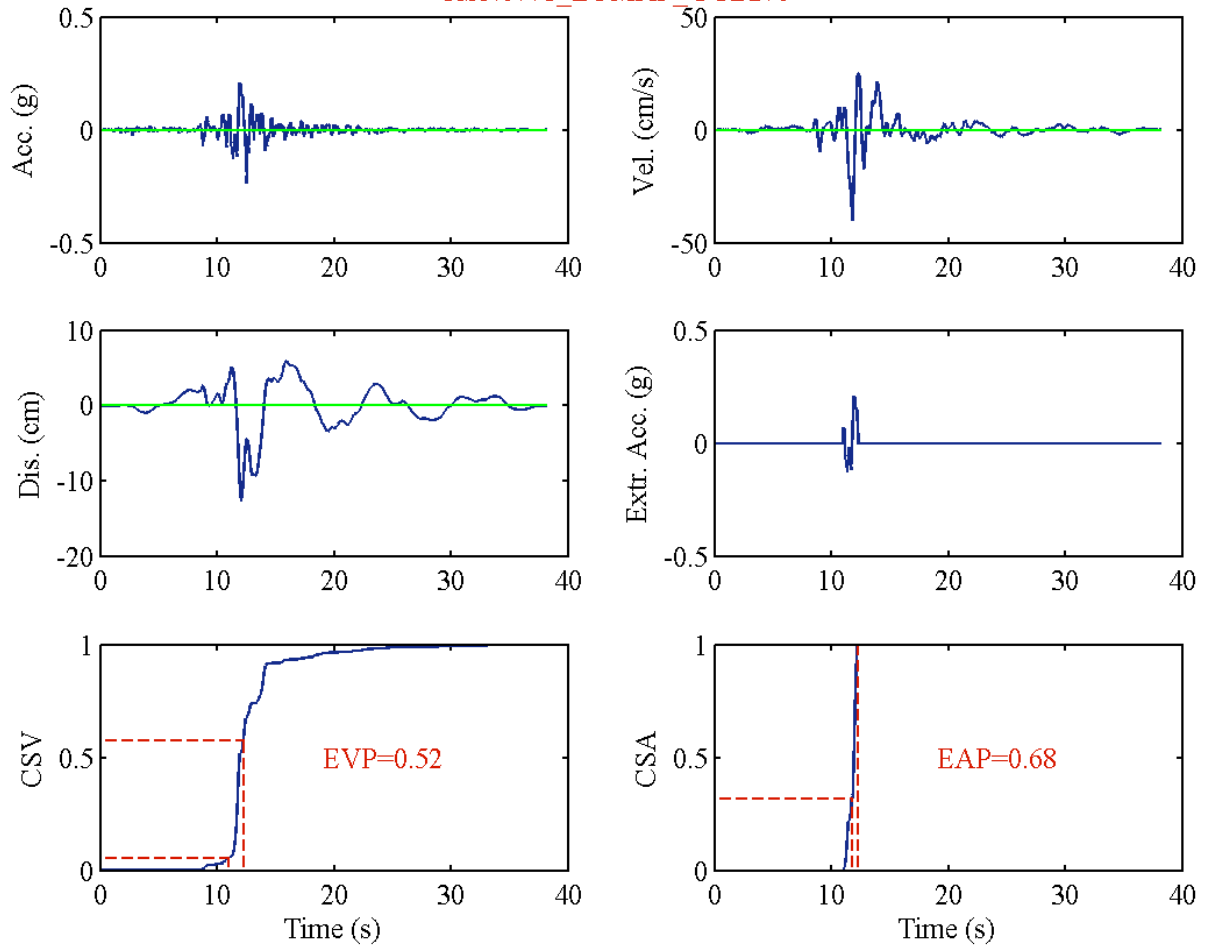
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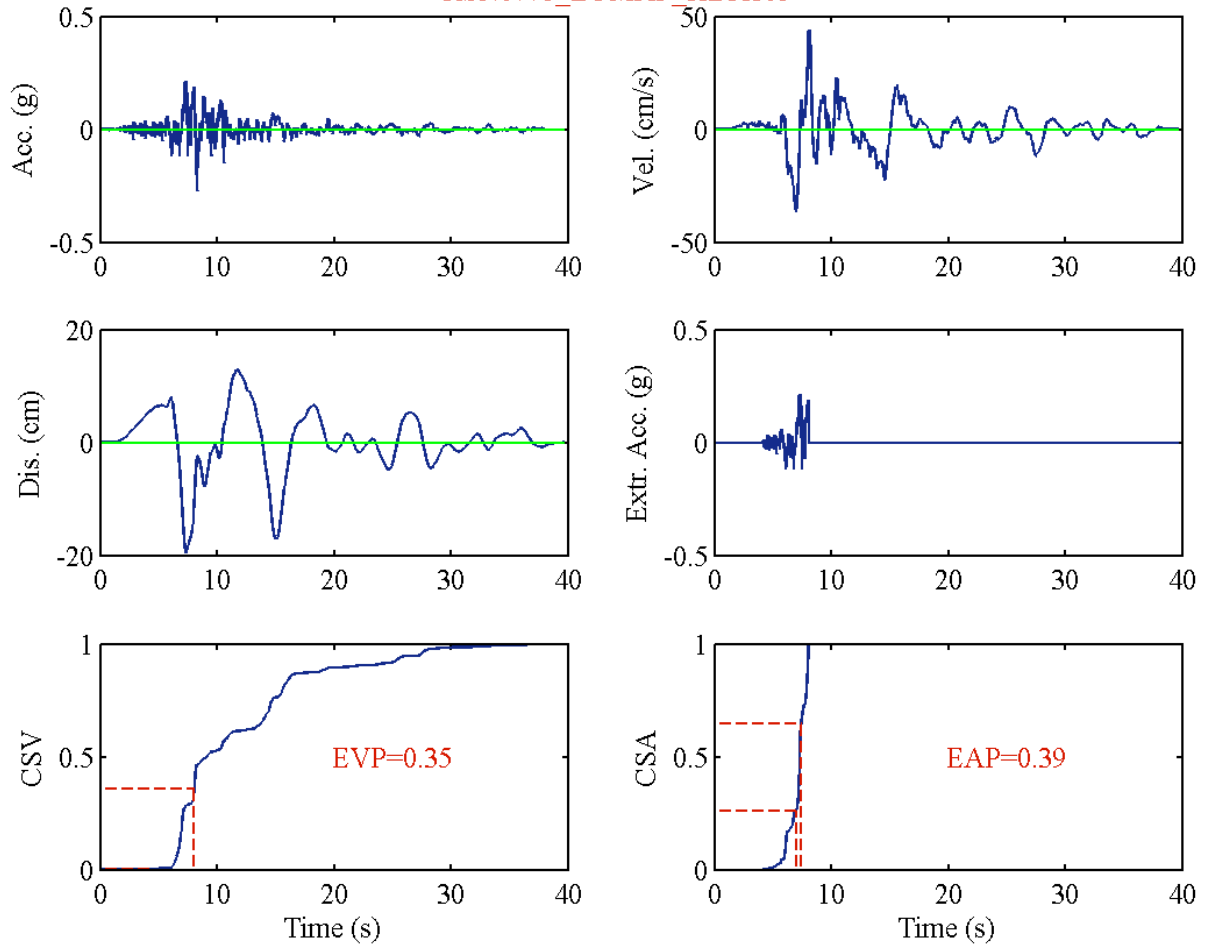
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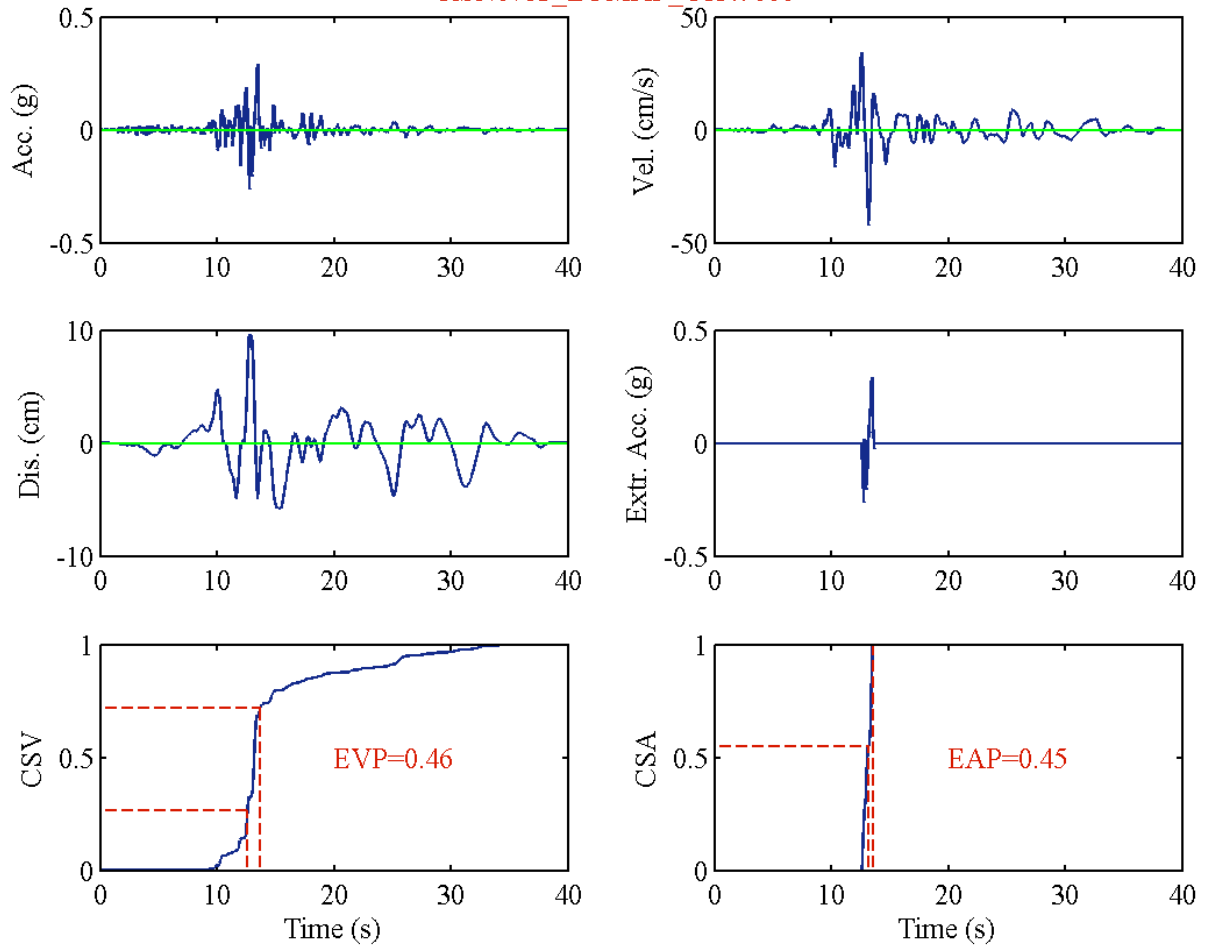
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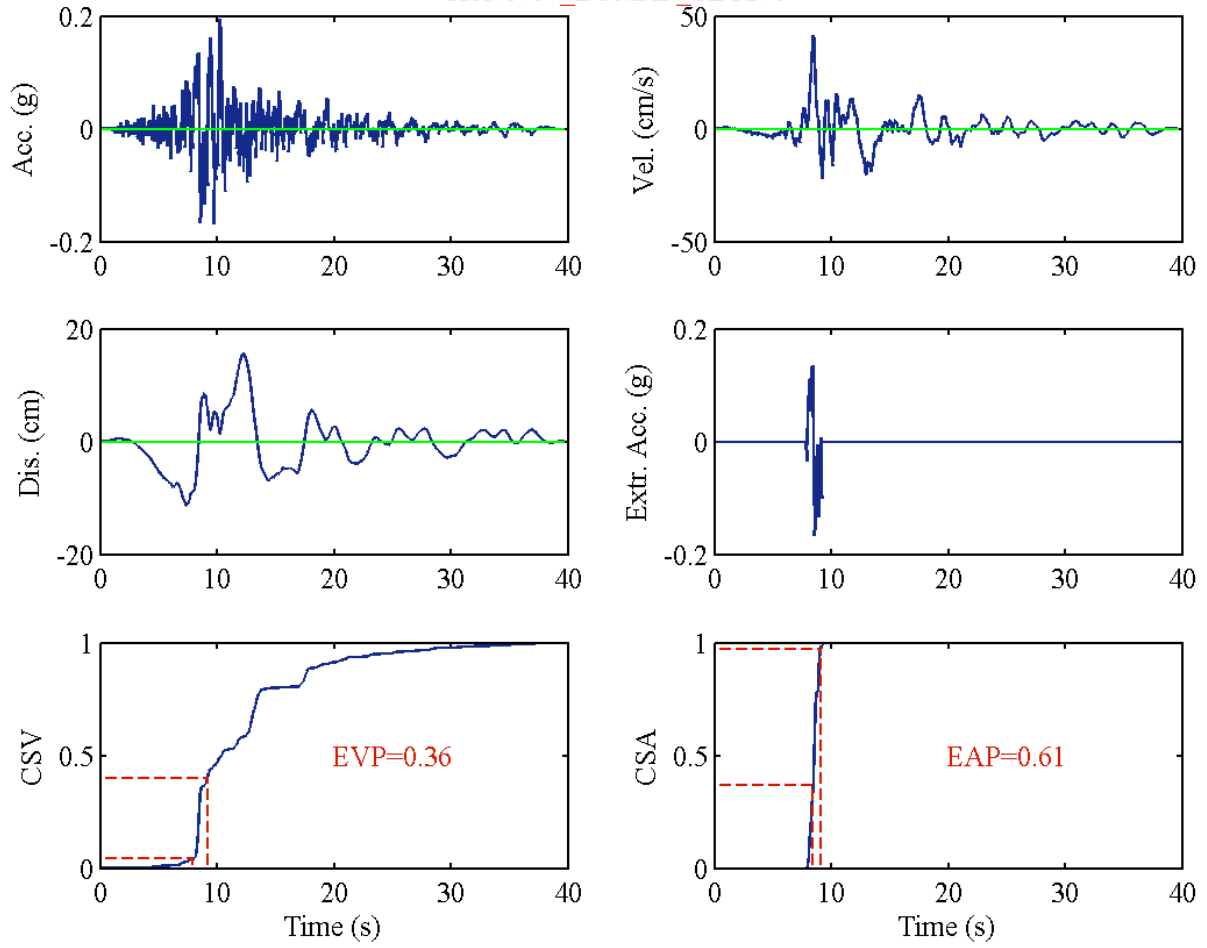
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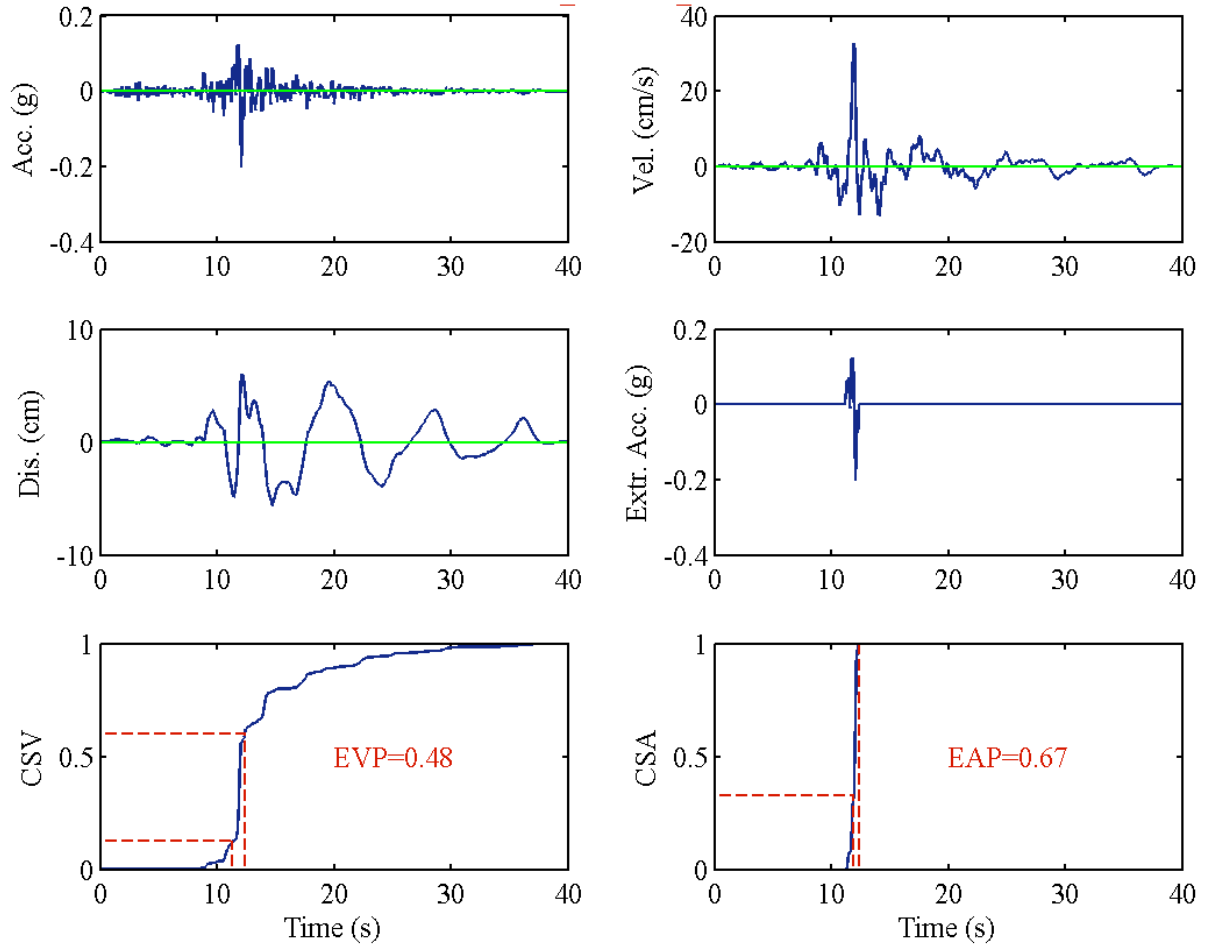
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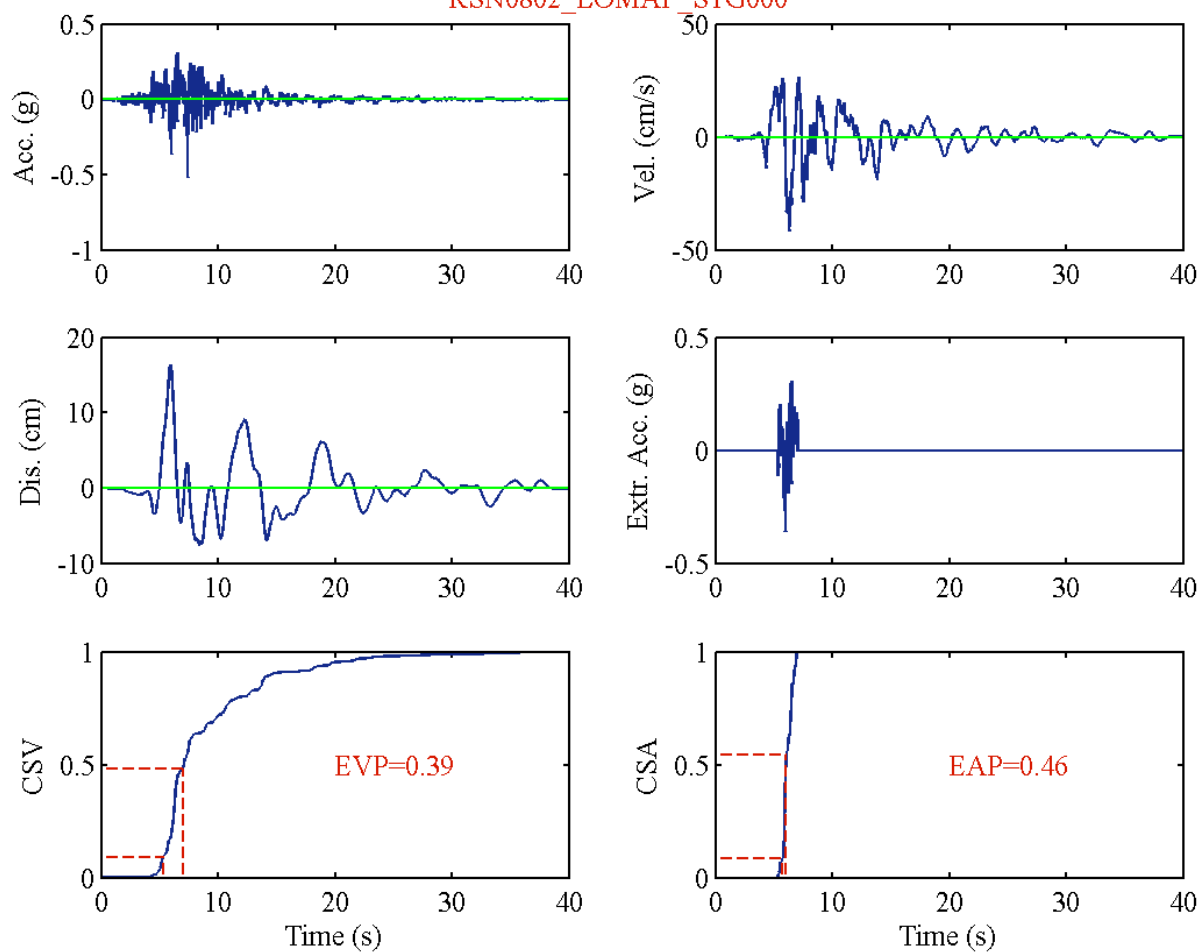
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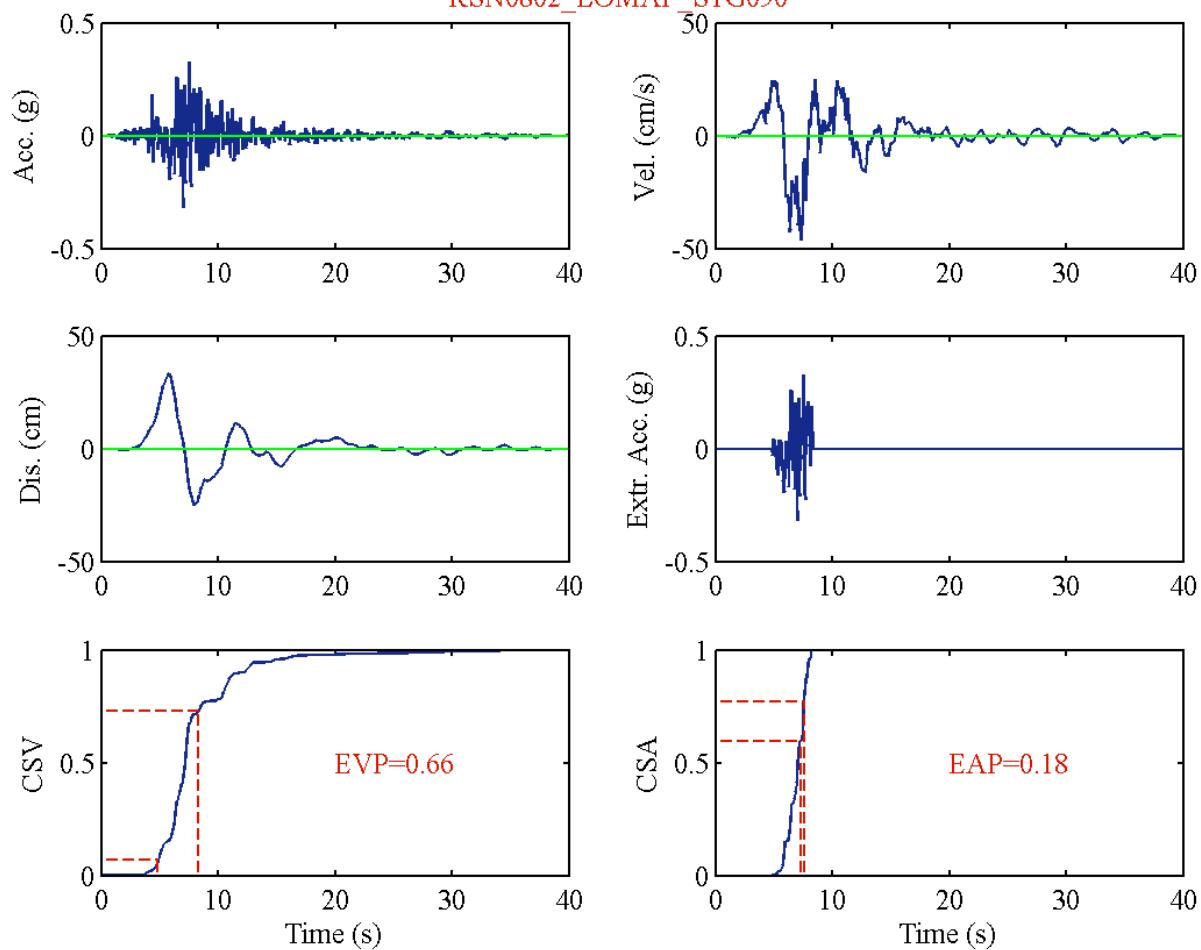
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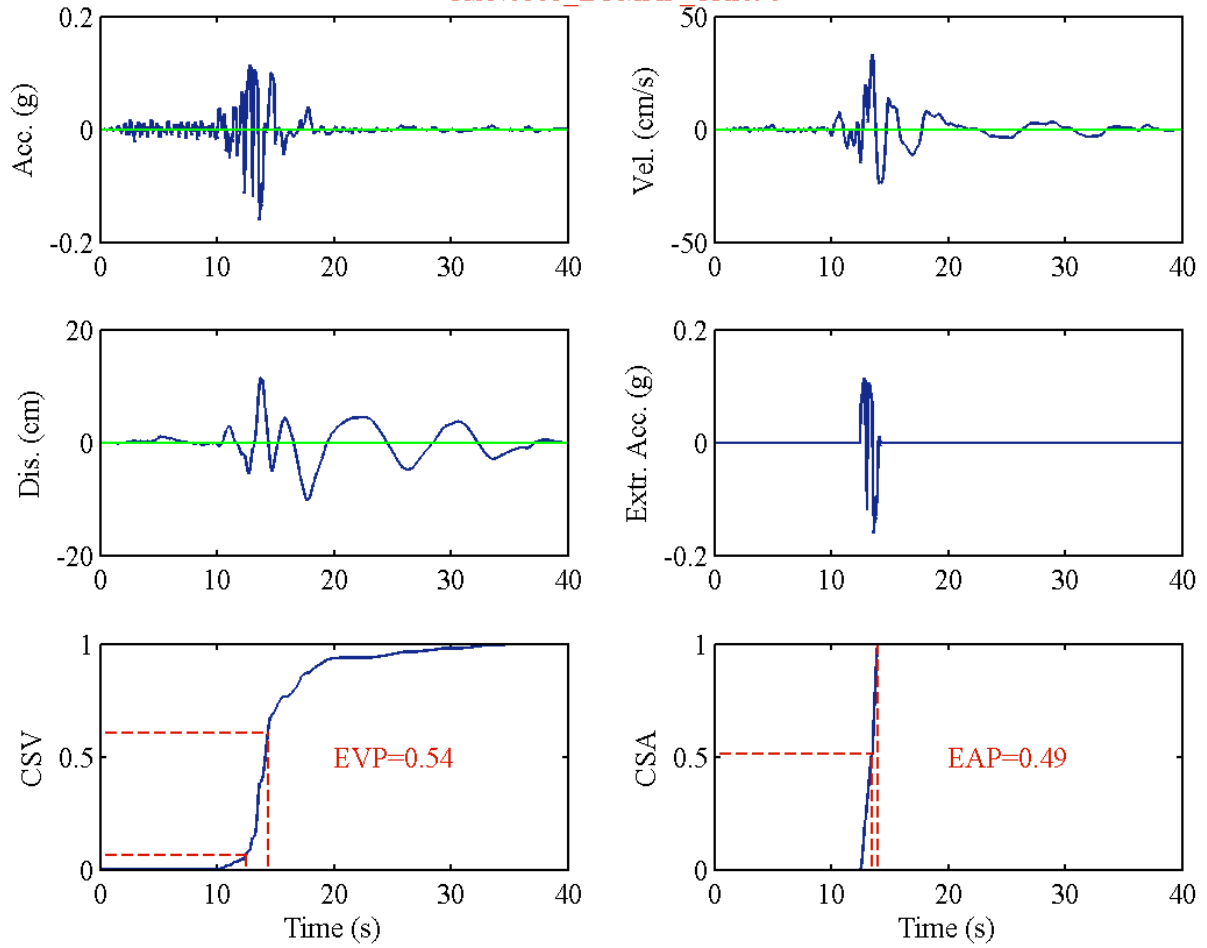


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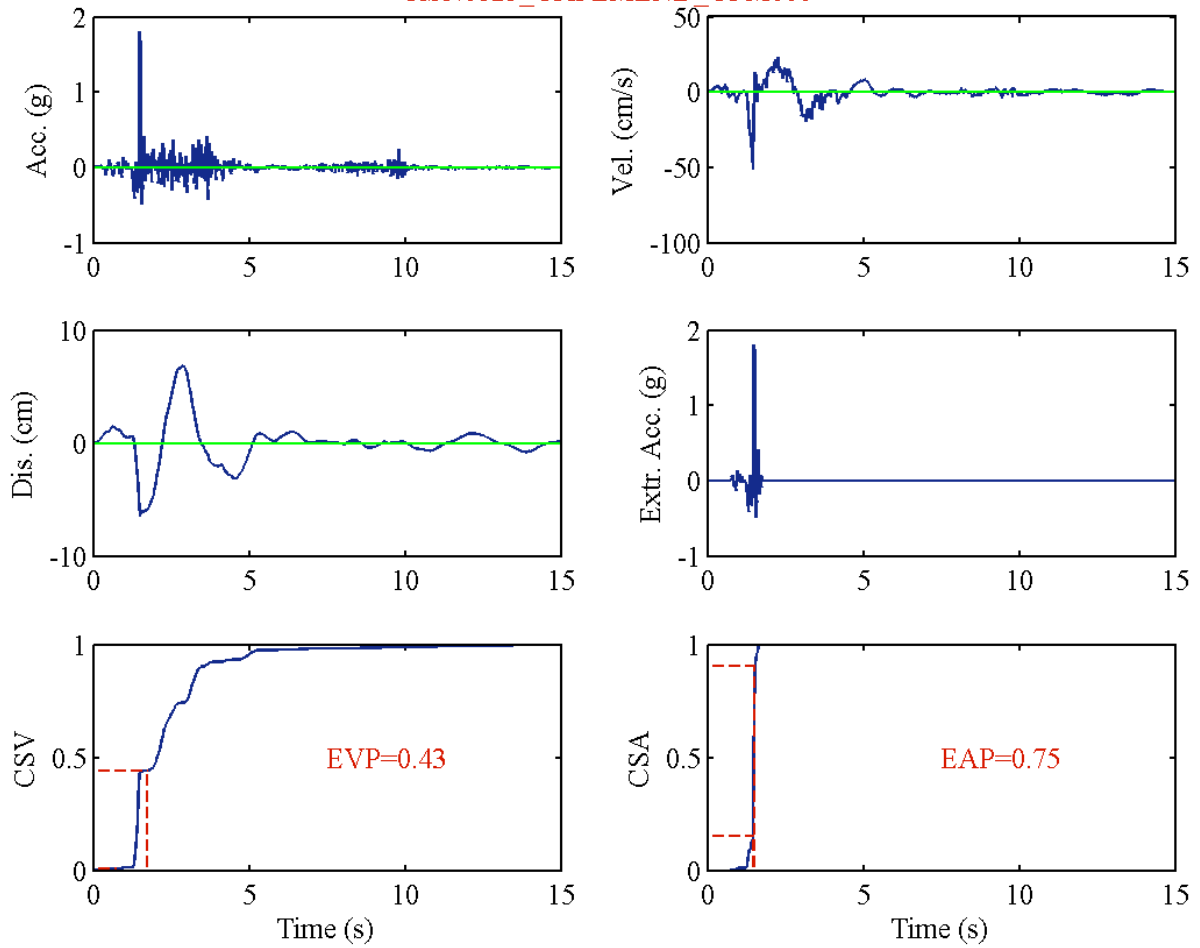




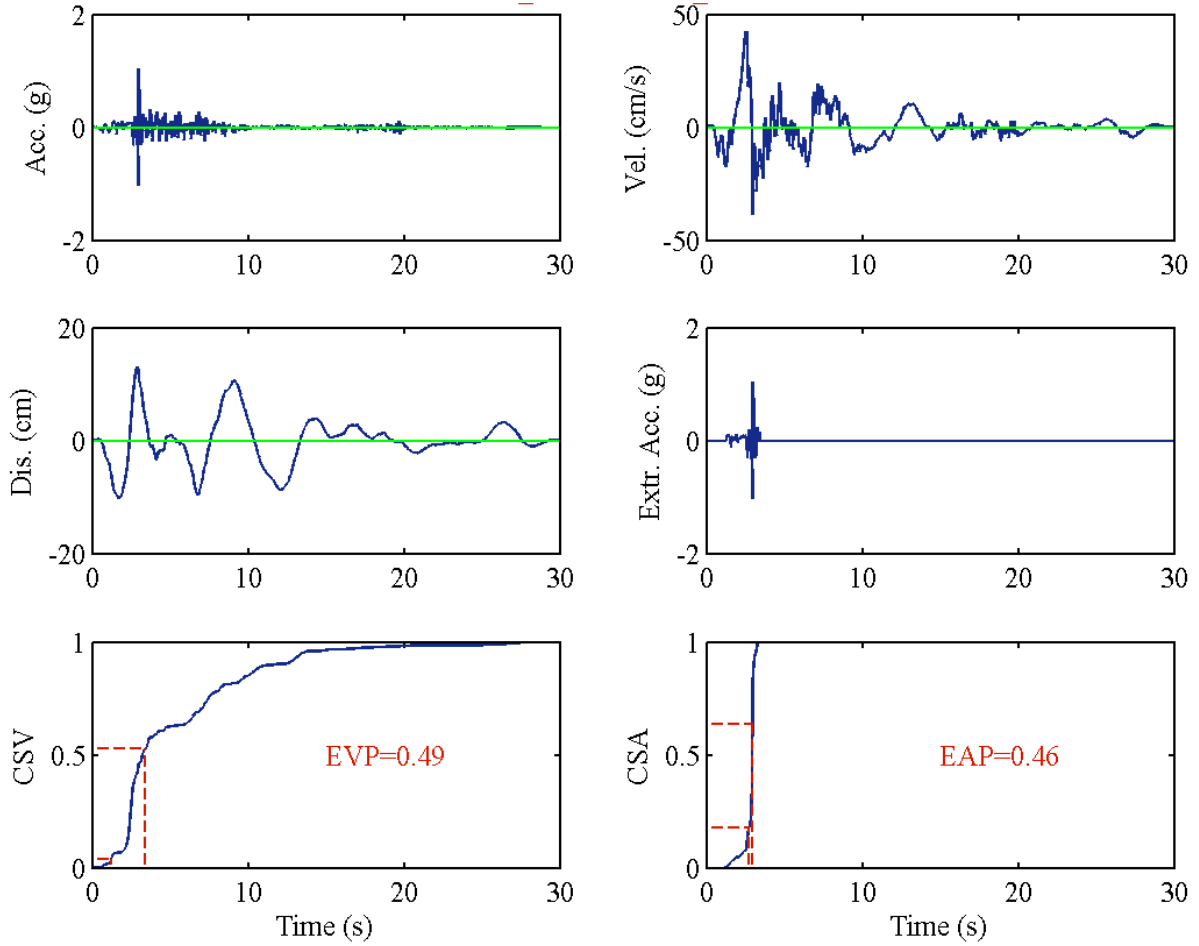
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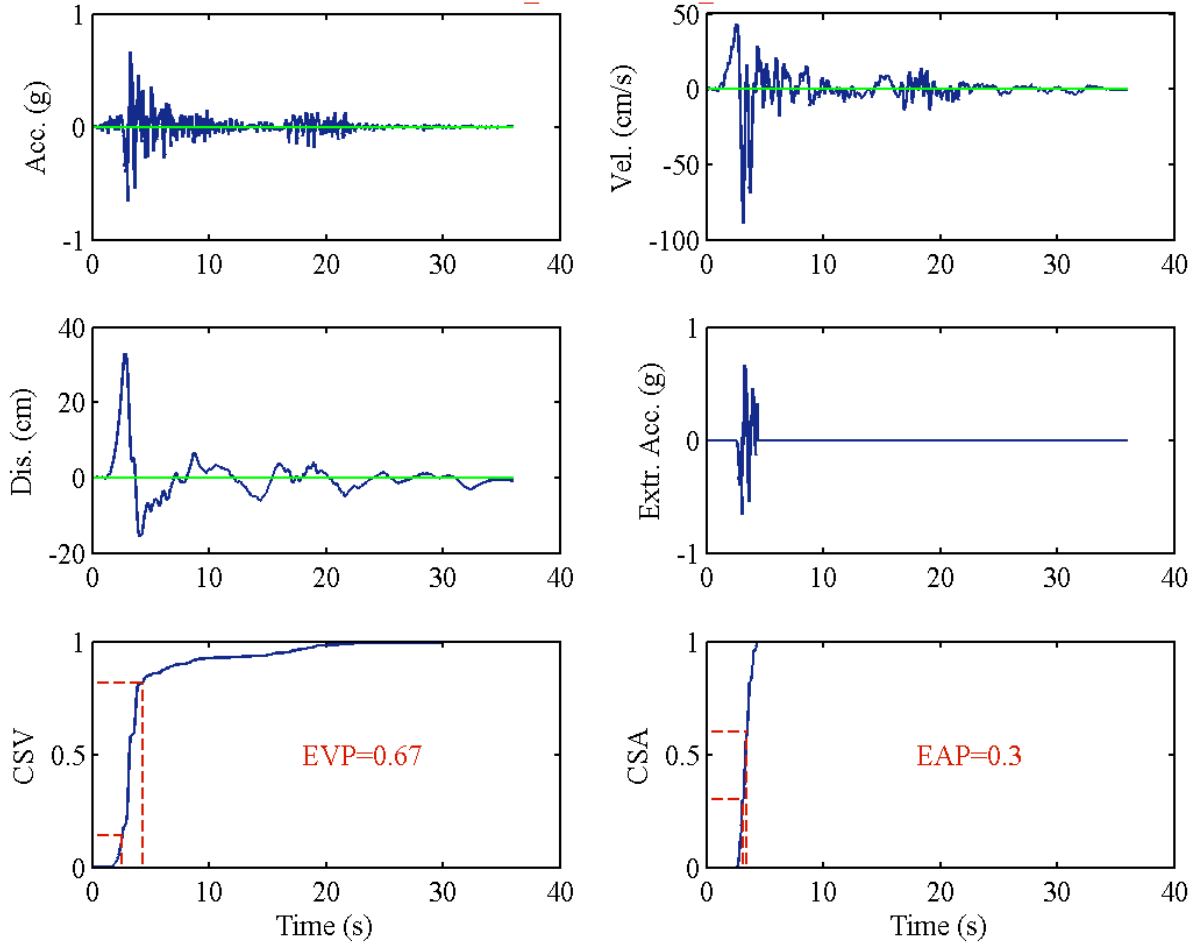
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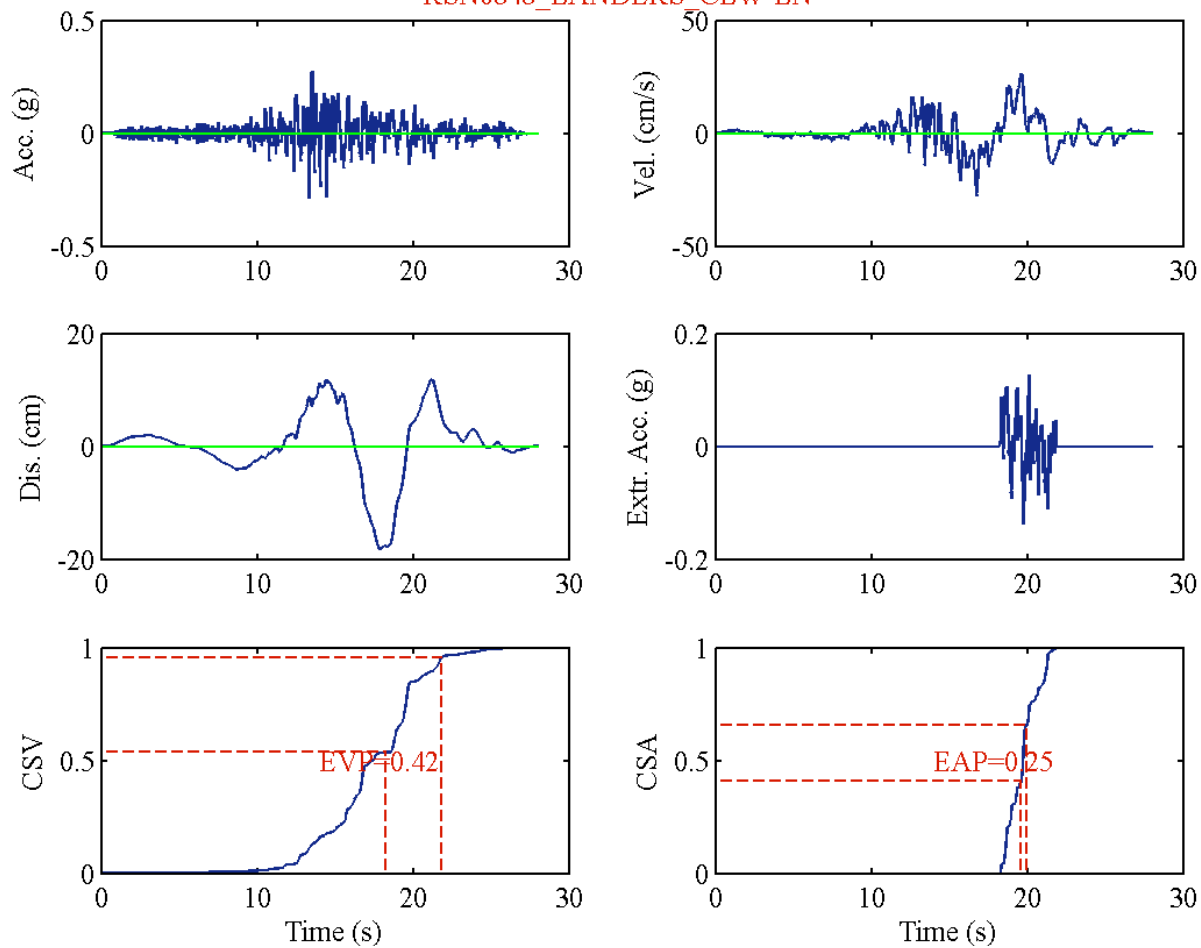
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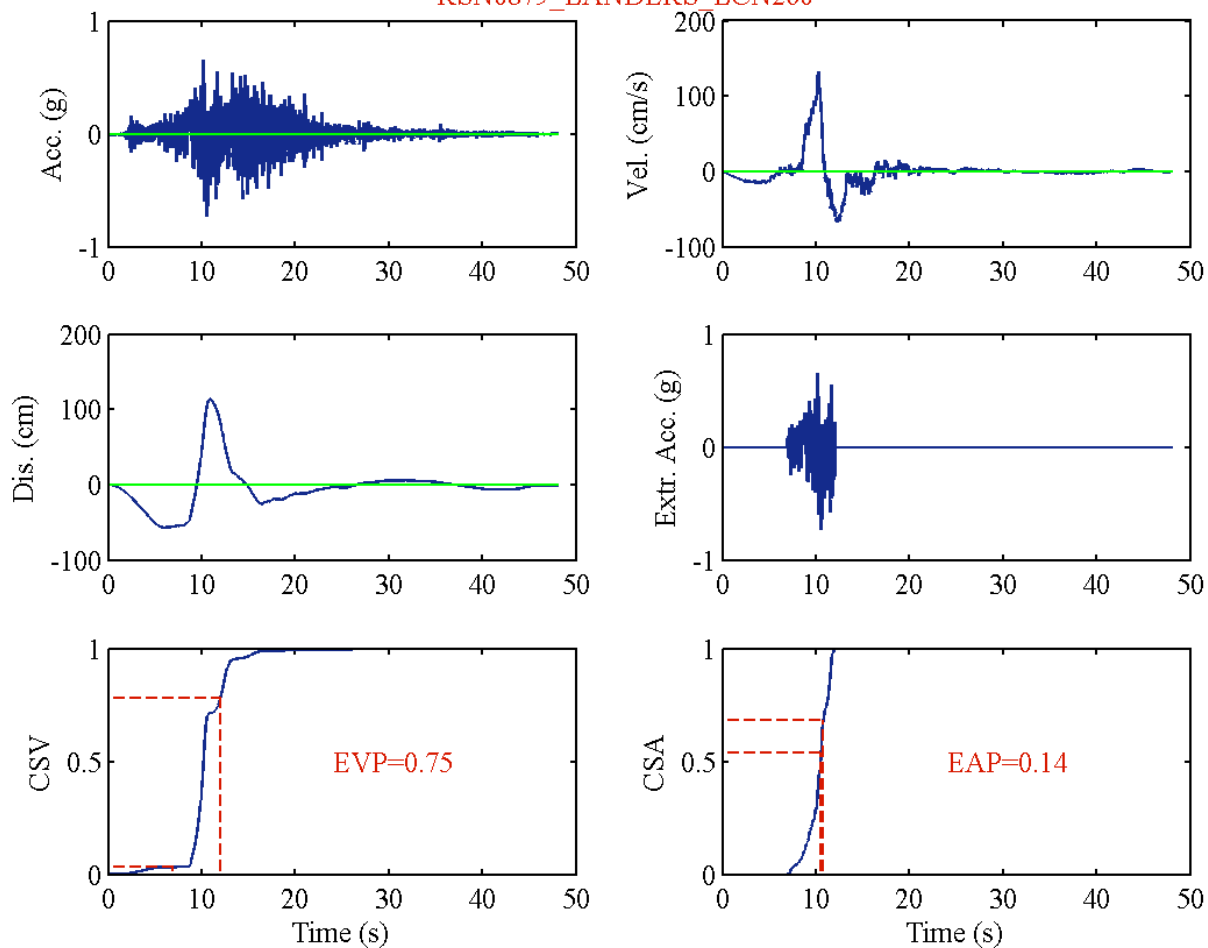
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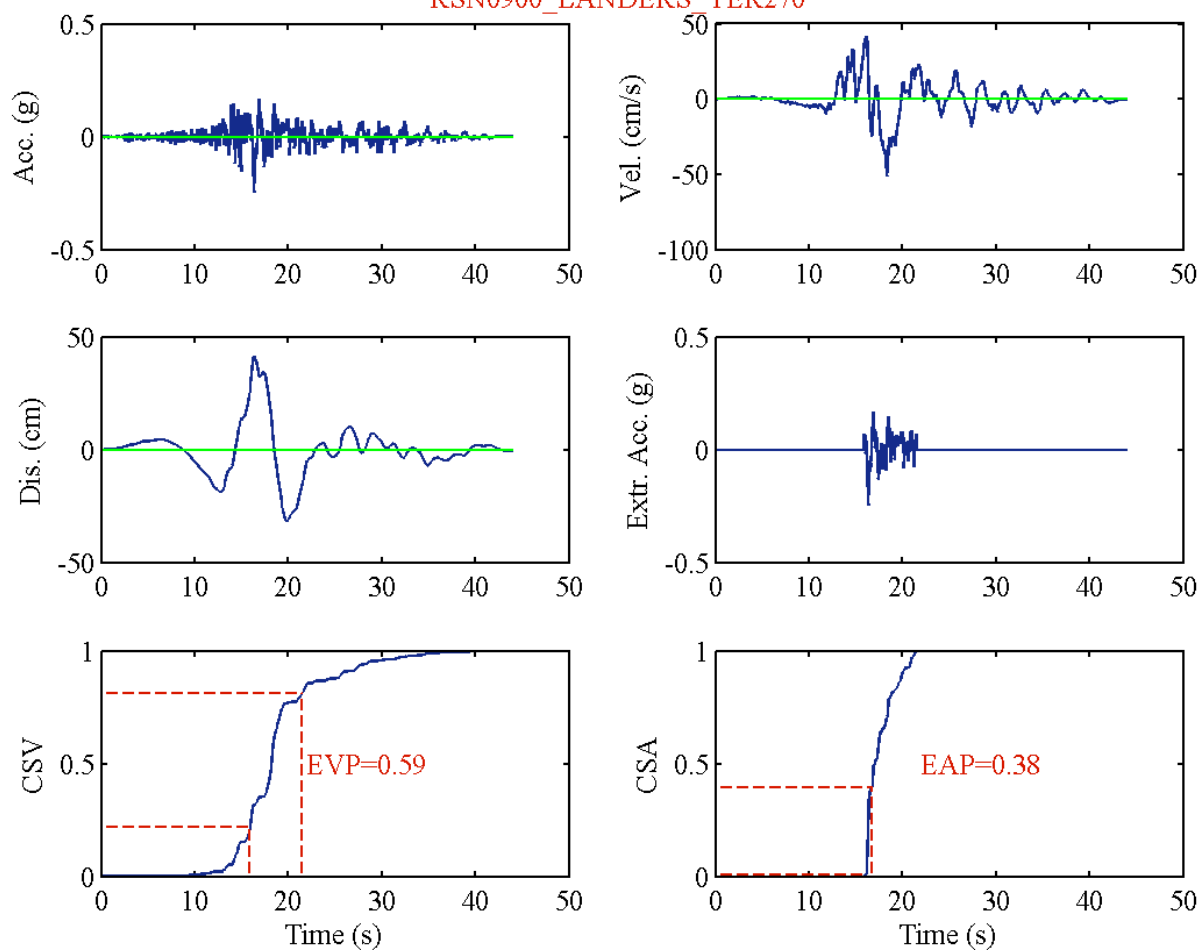
### RSN0848 LANDERS CLW-LN



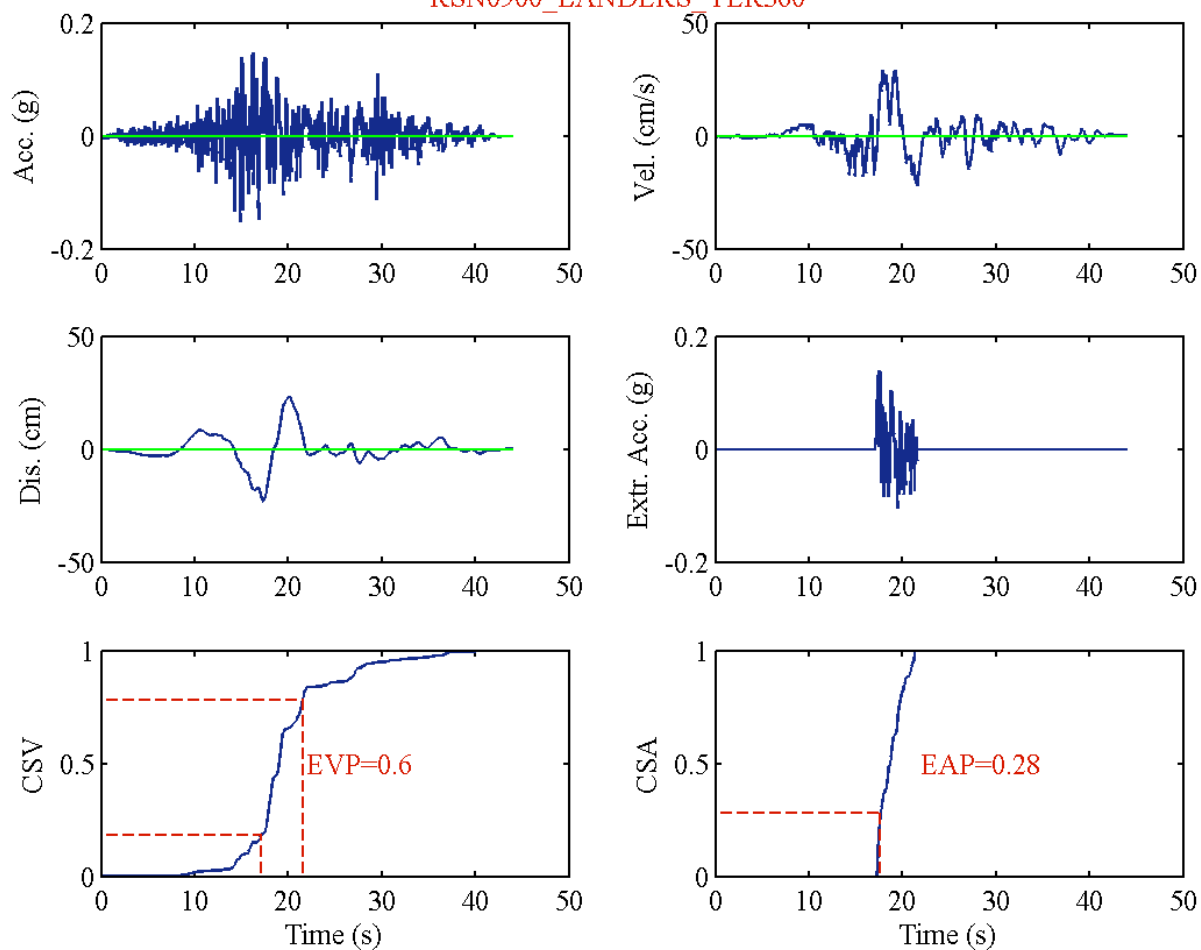
### RSN0879 LANDERS LCN260



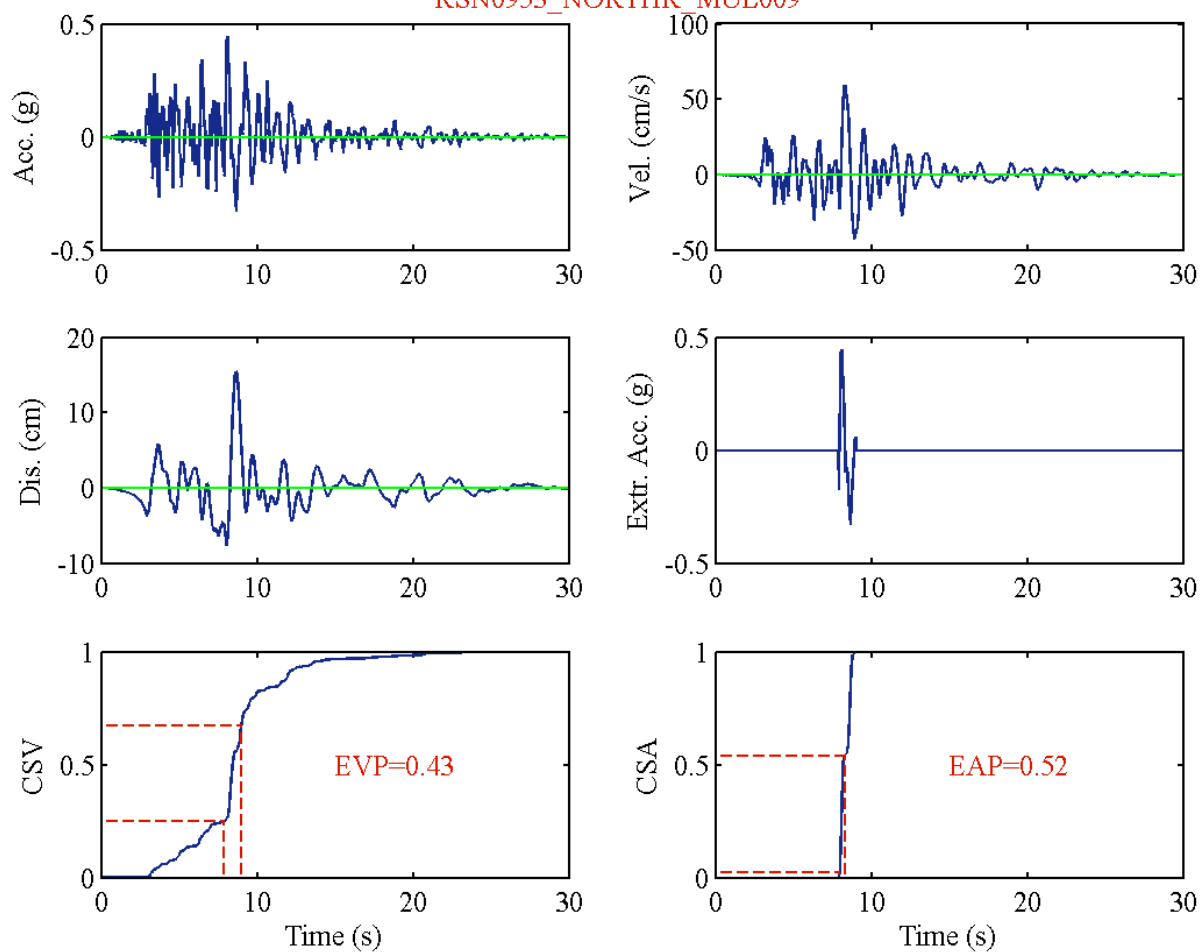
RSN0900\_LANDERS\_YER270



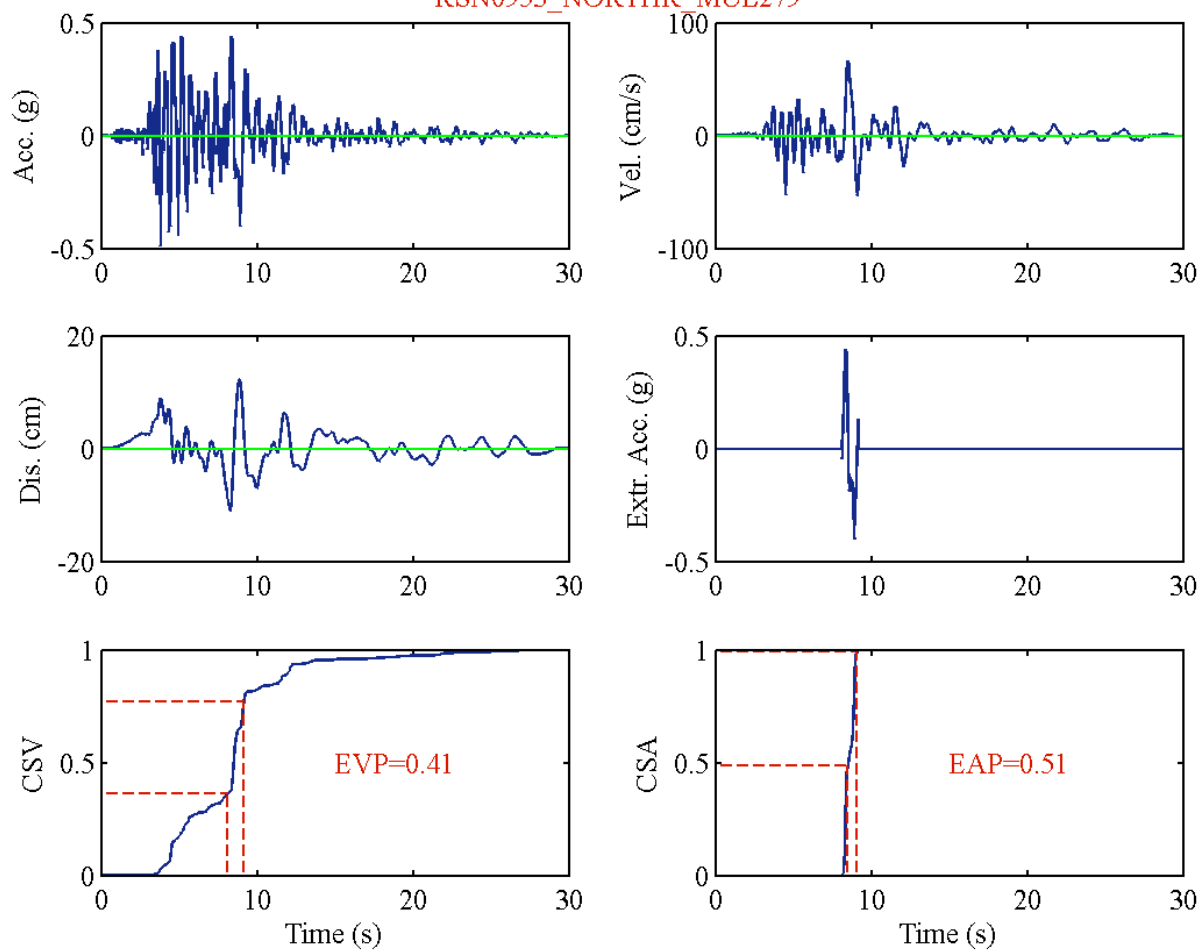
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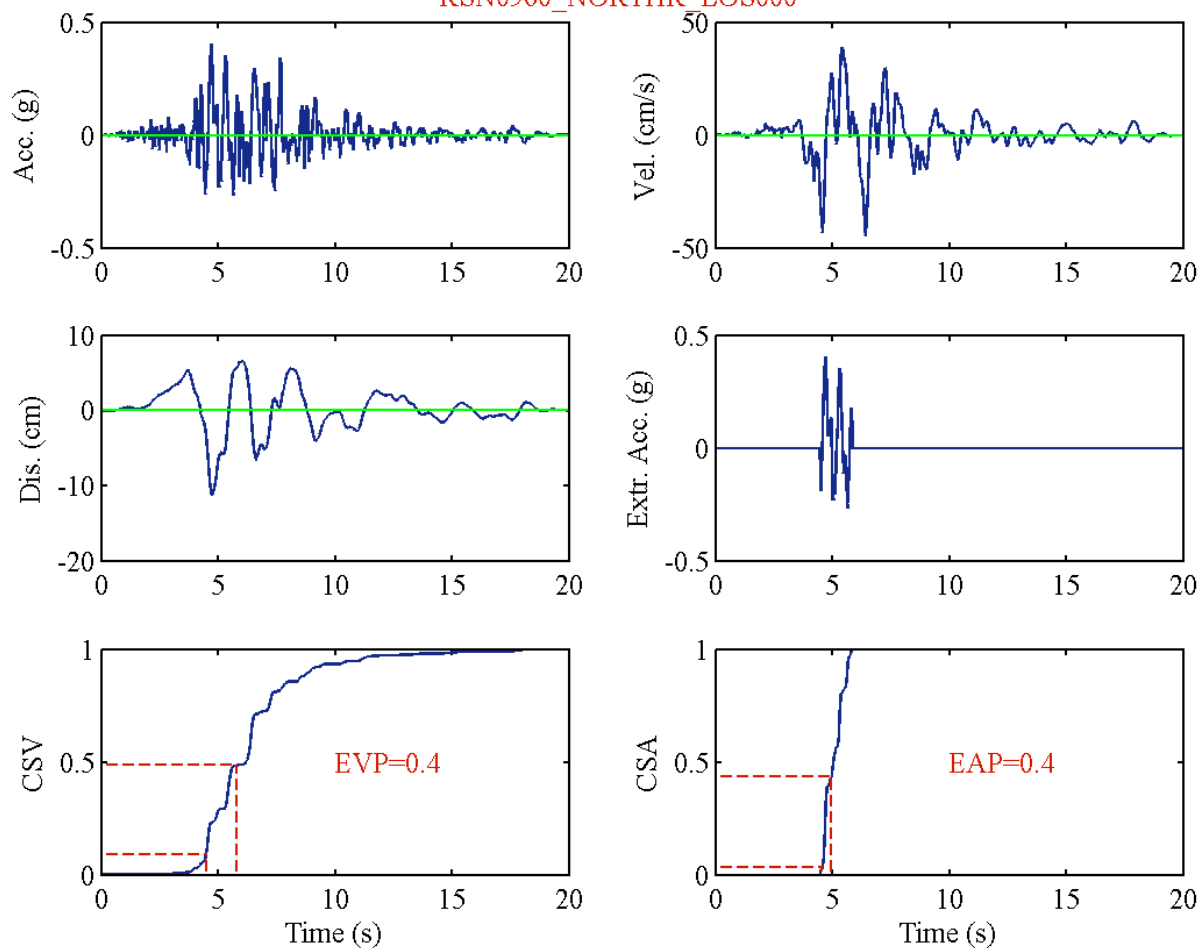
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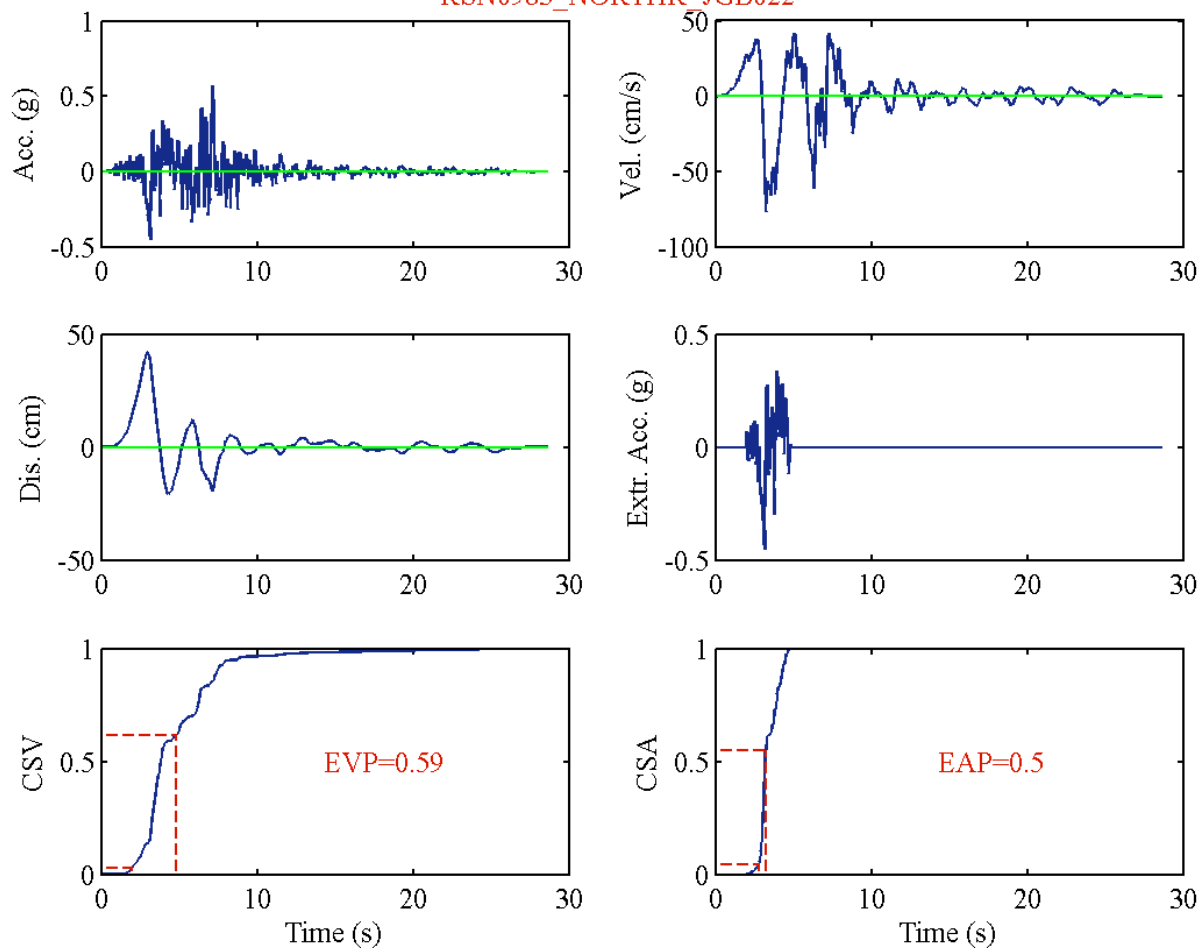
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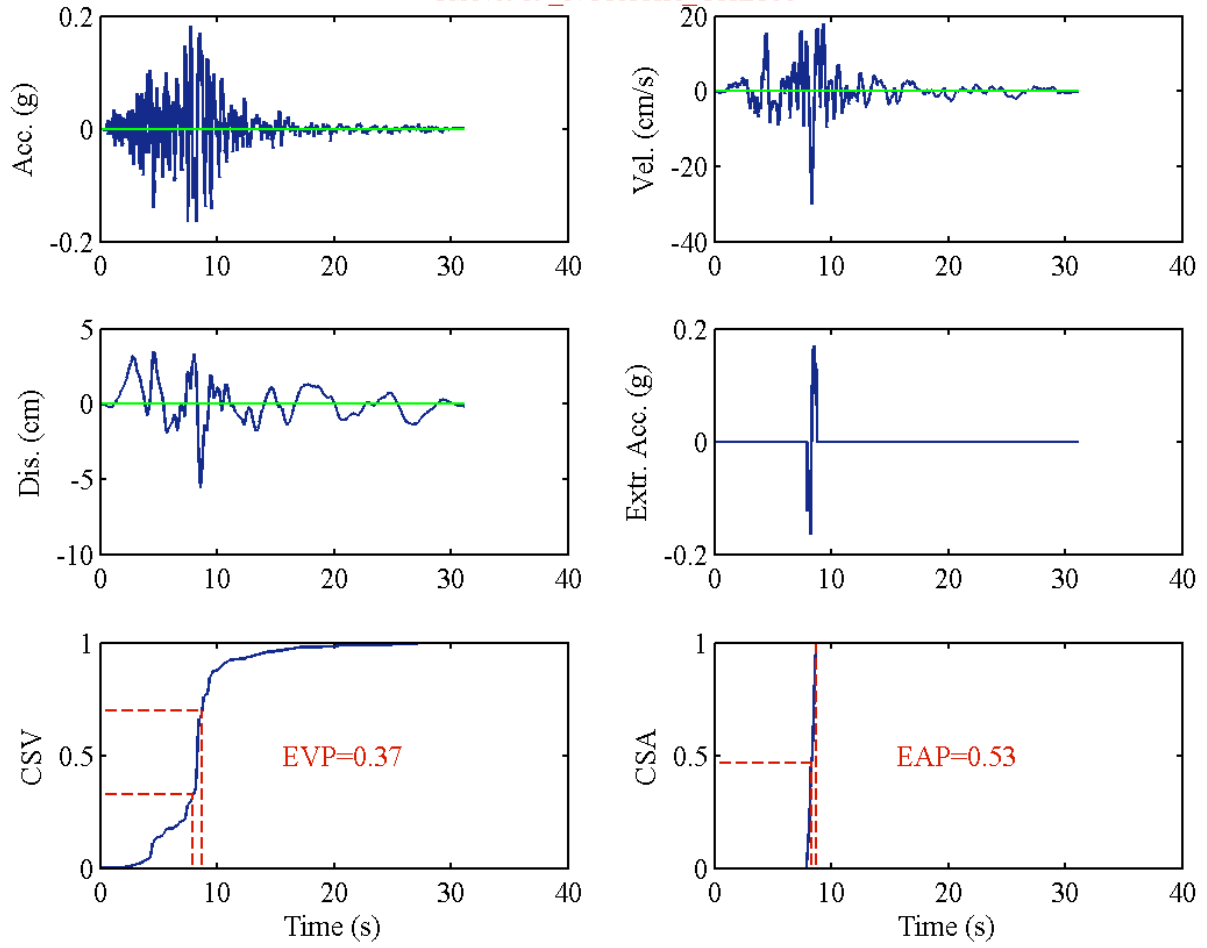
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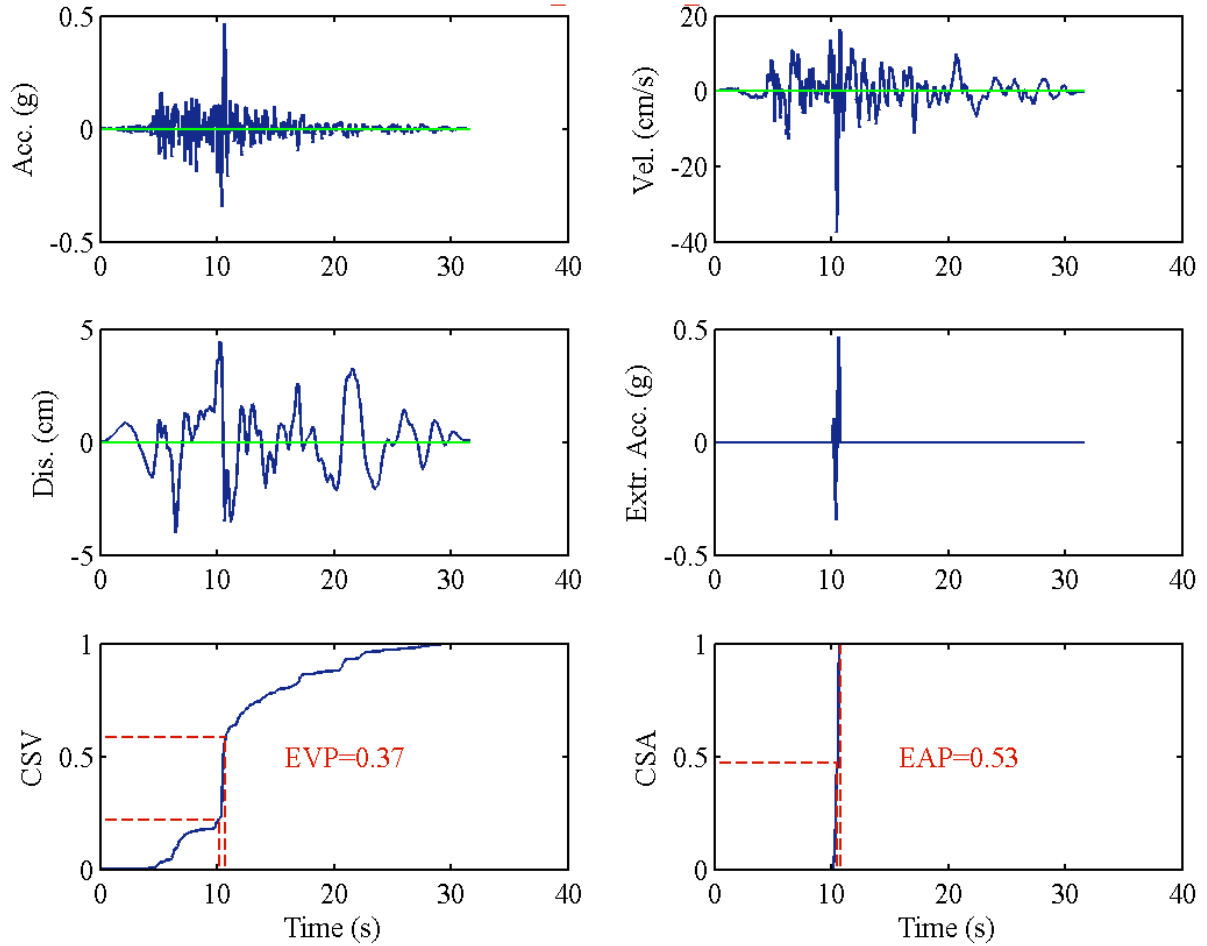
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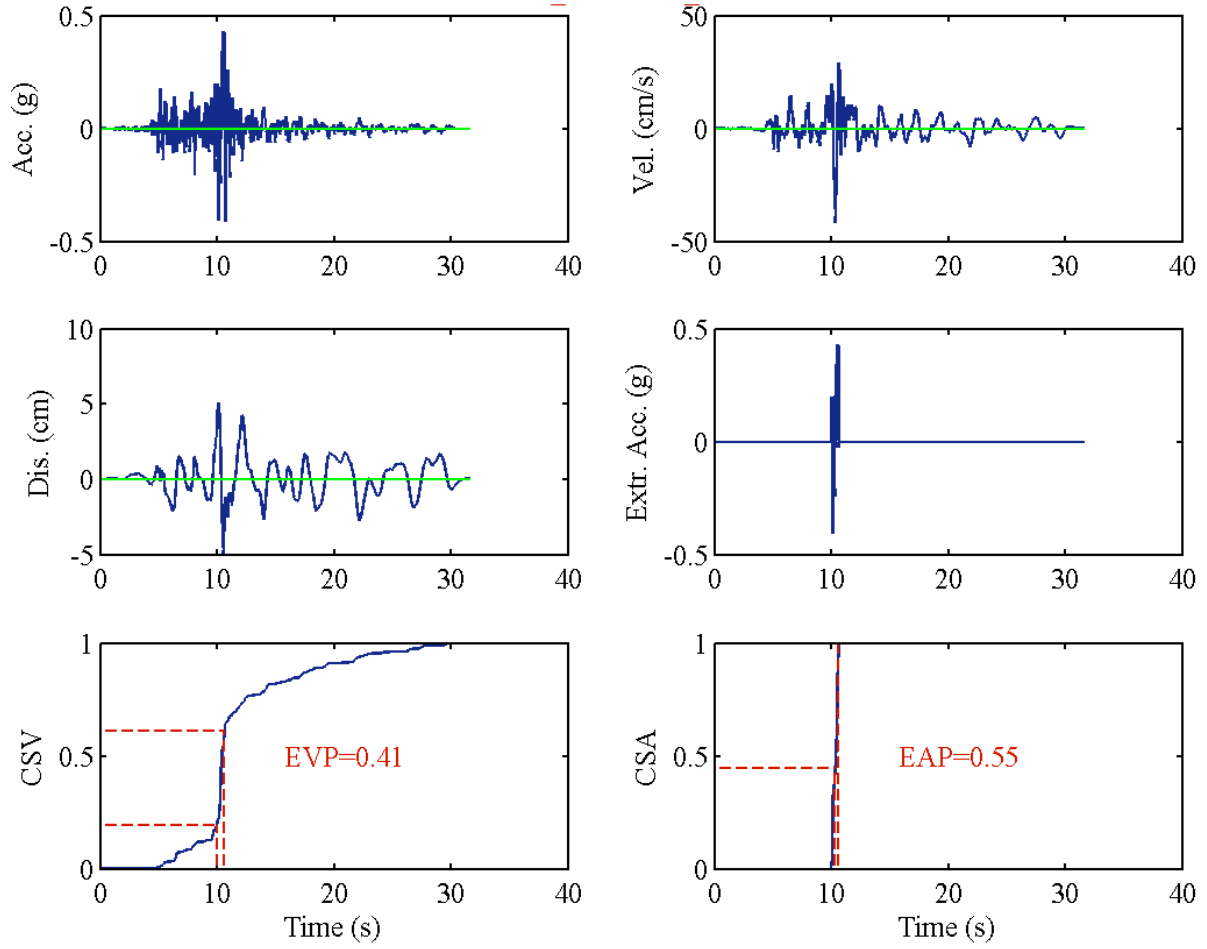
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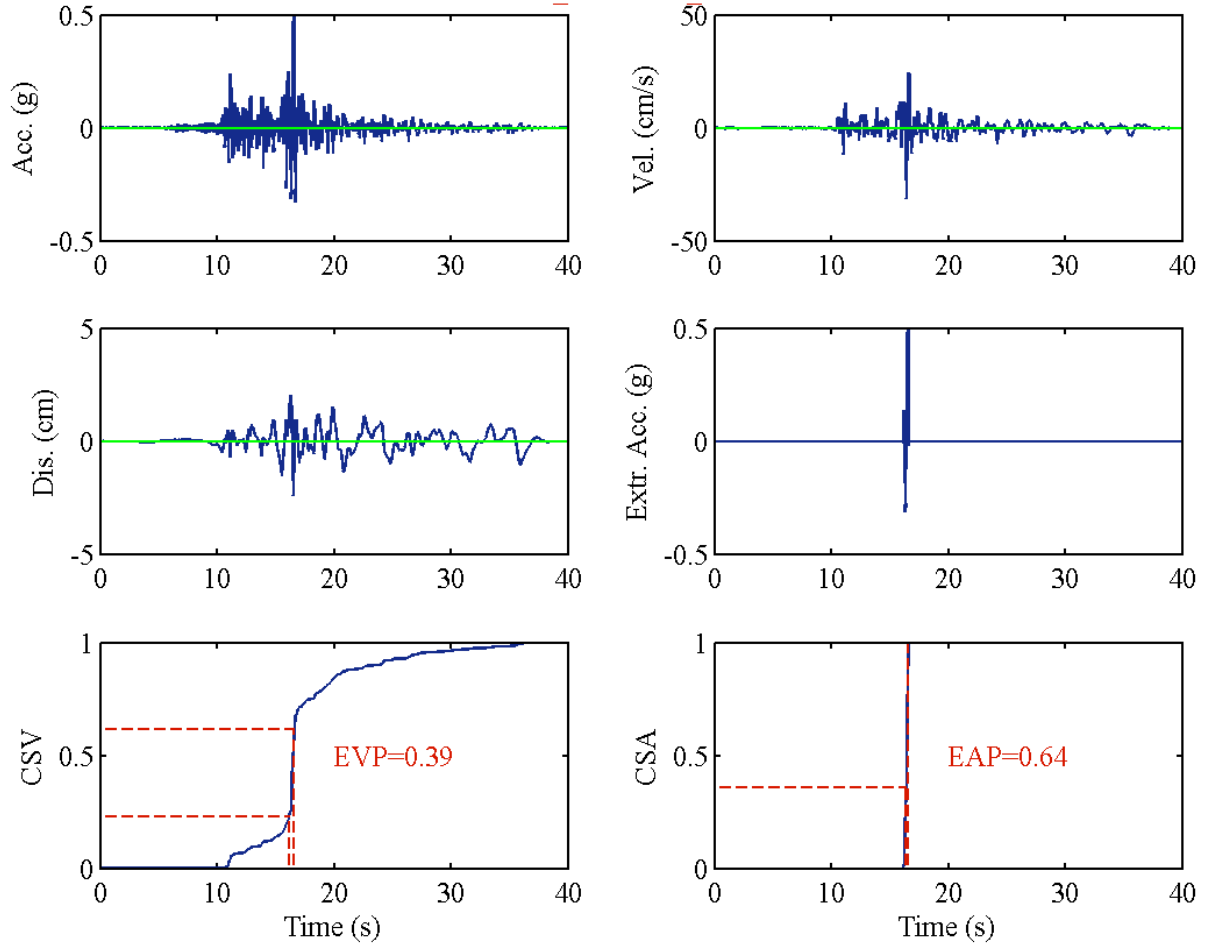
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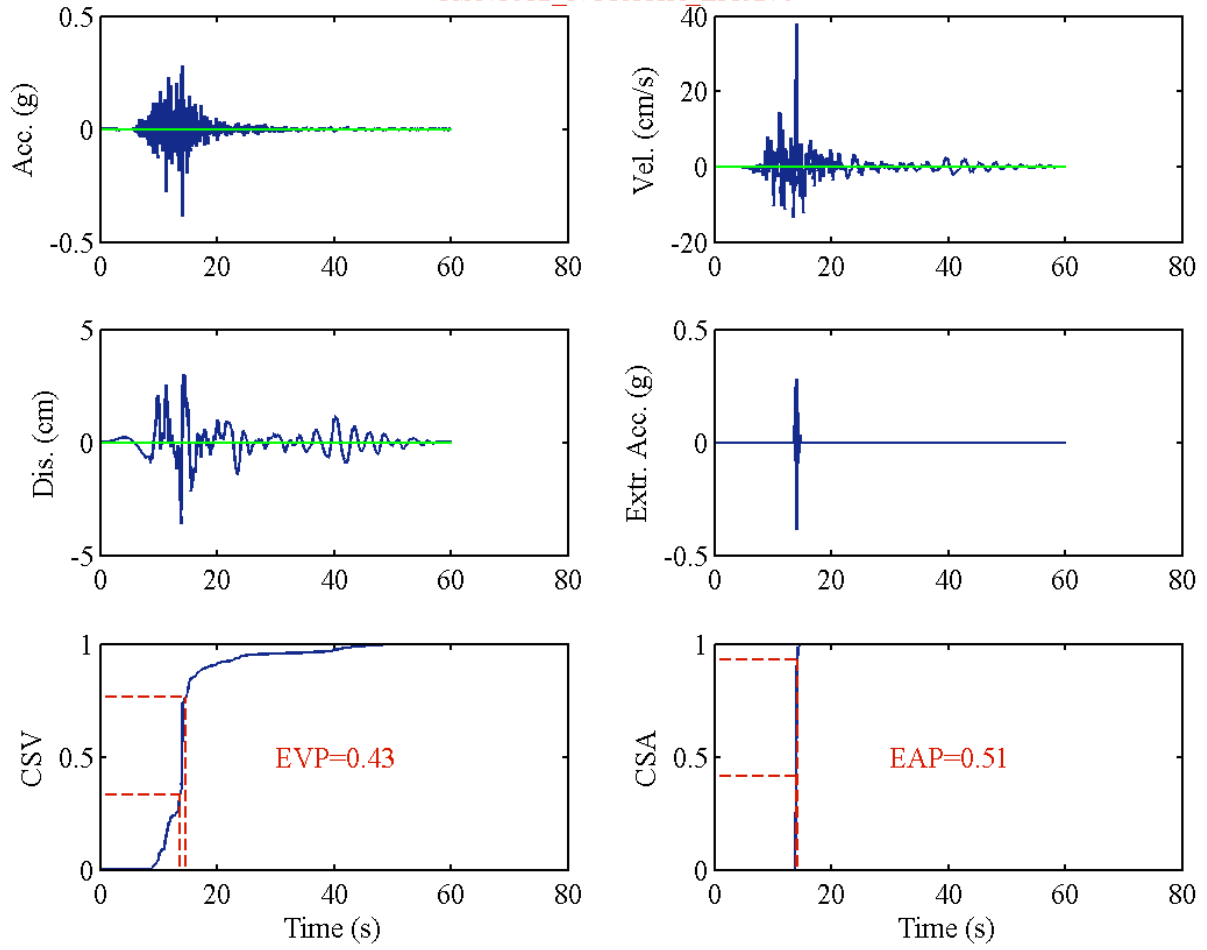


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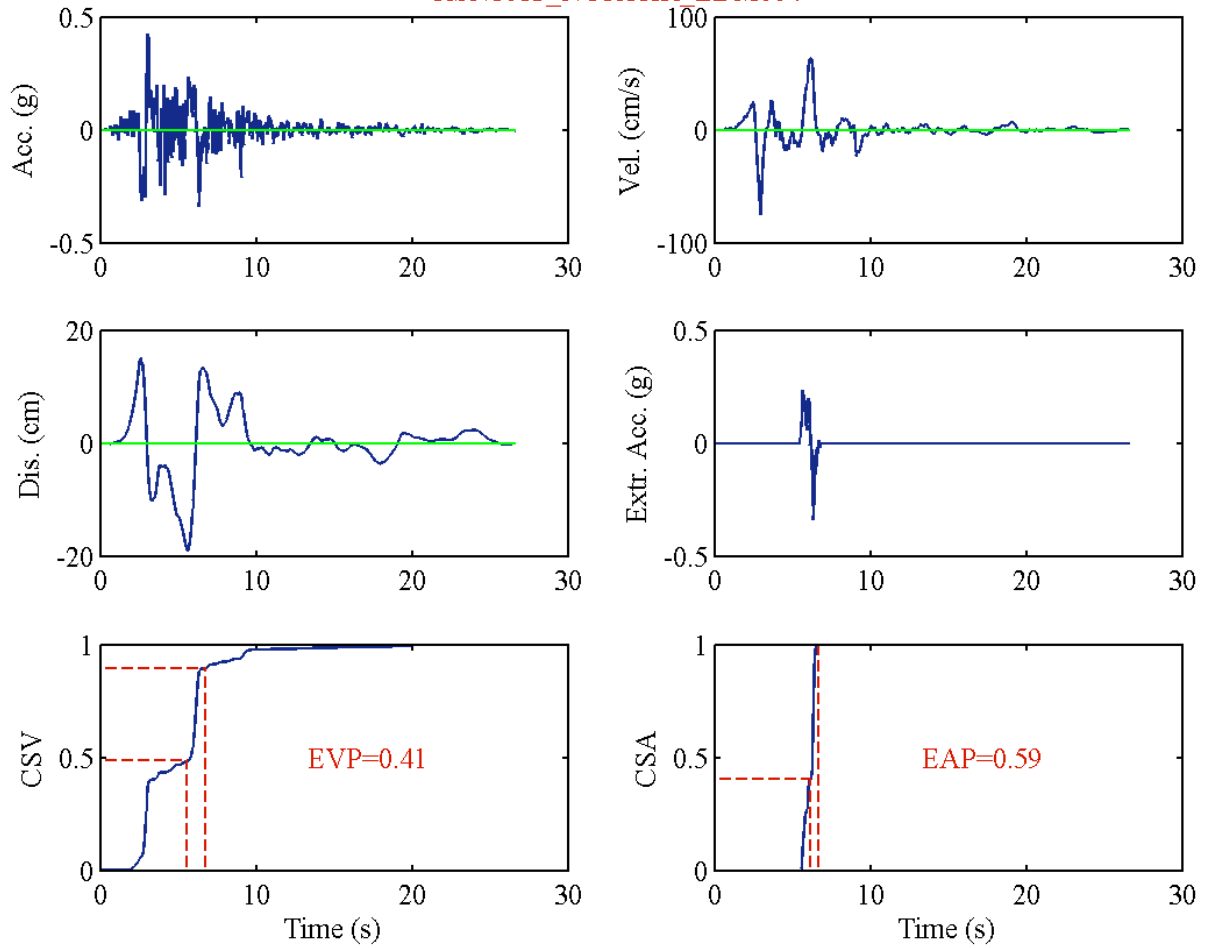




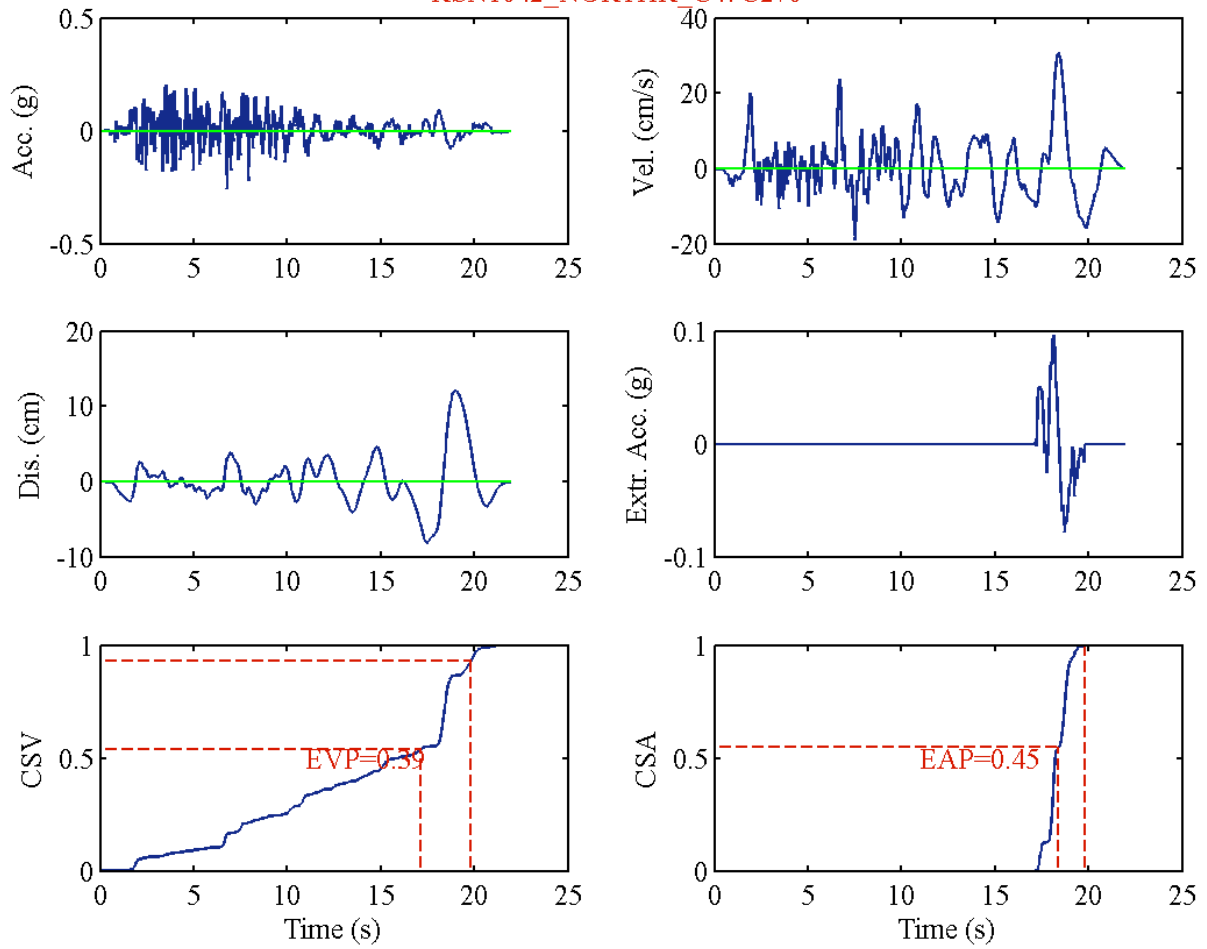
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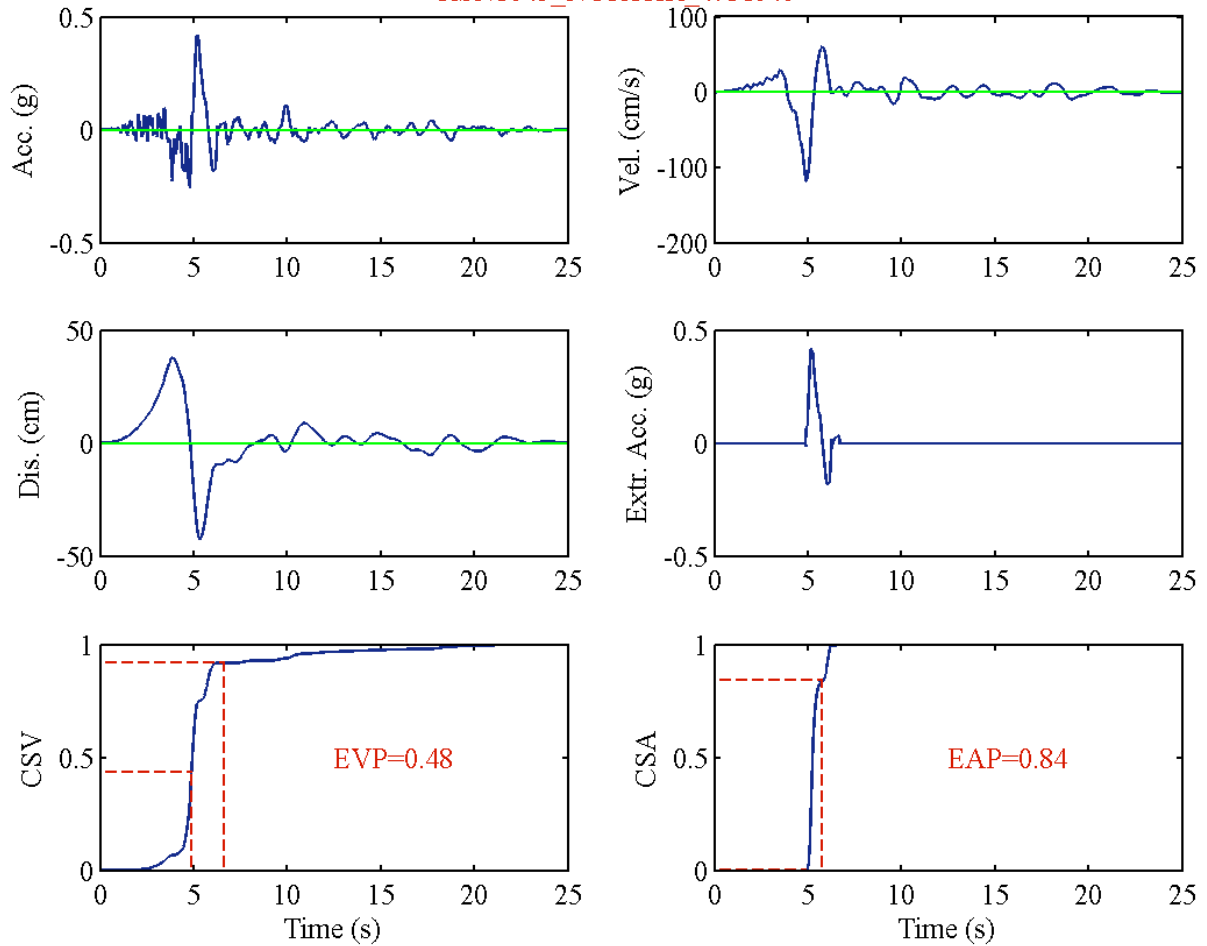
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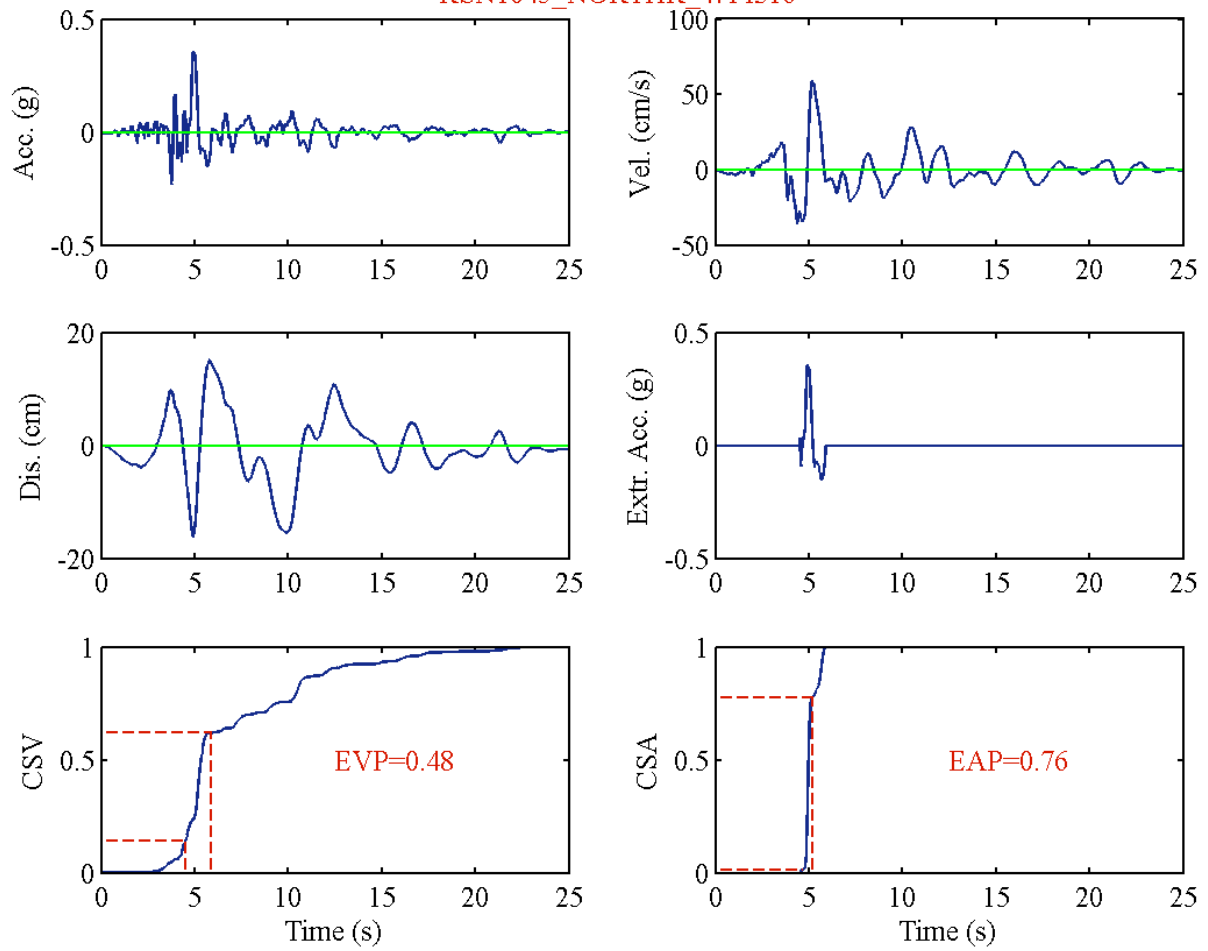
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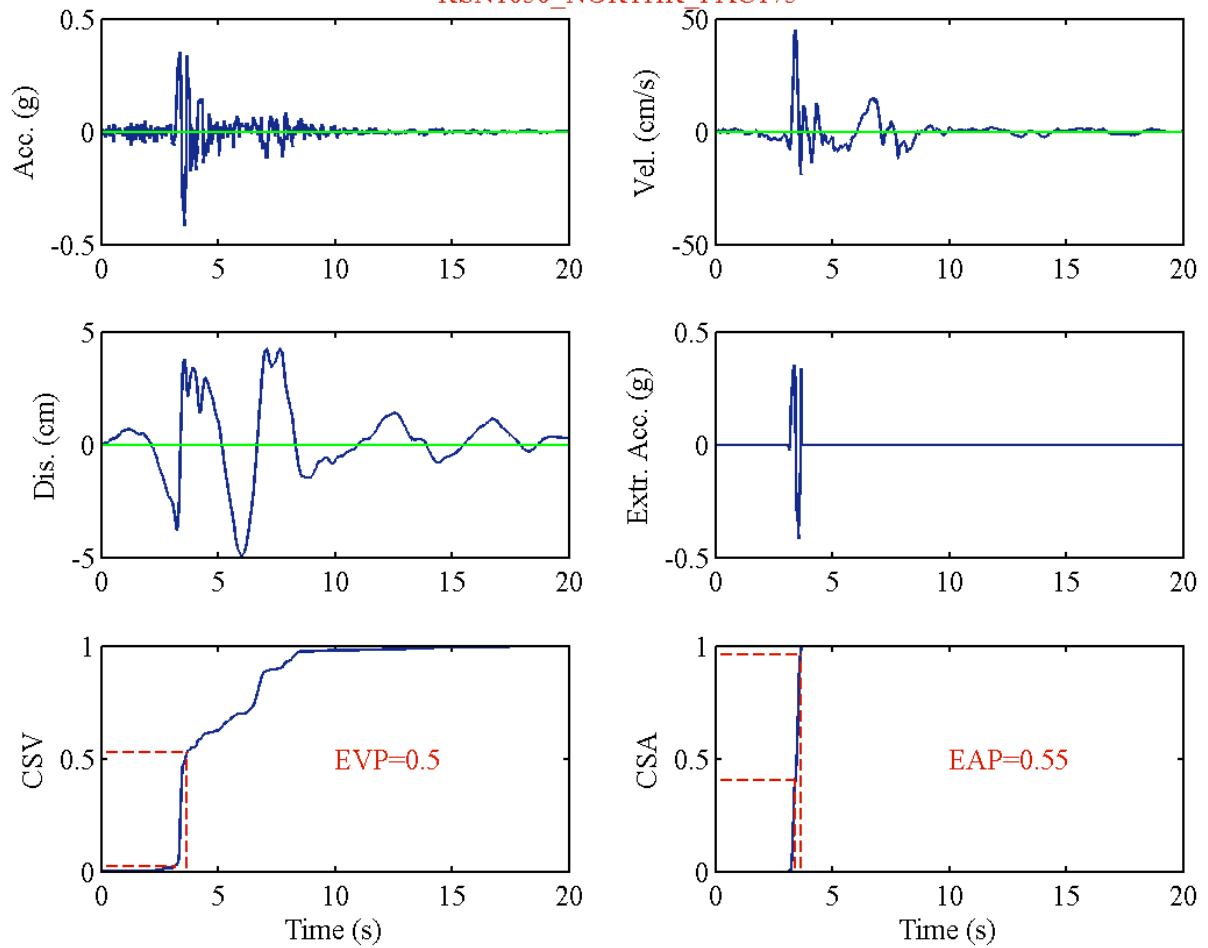
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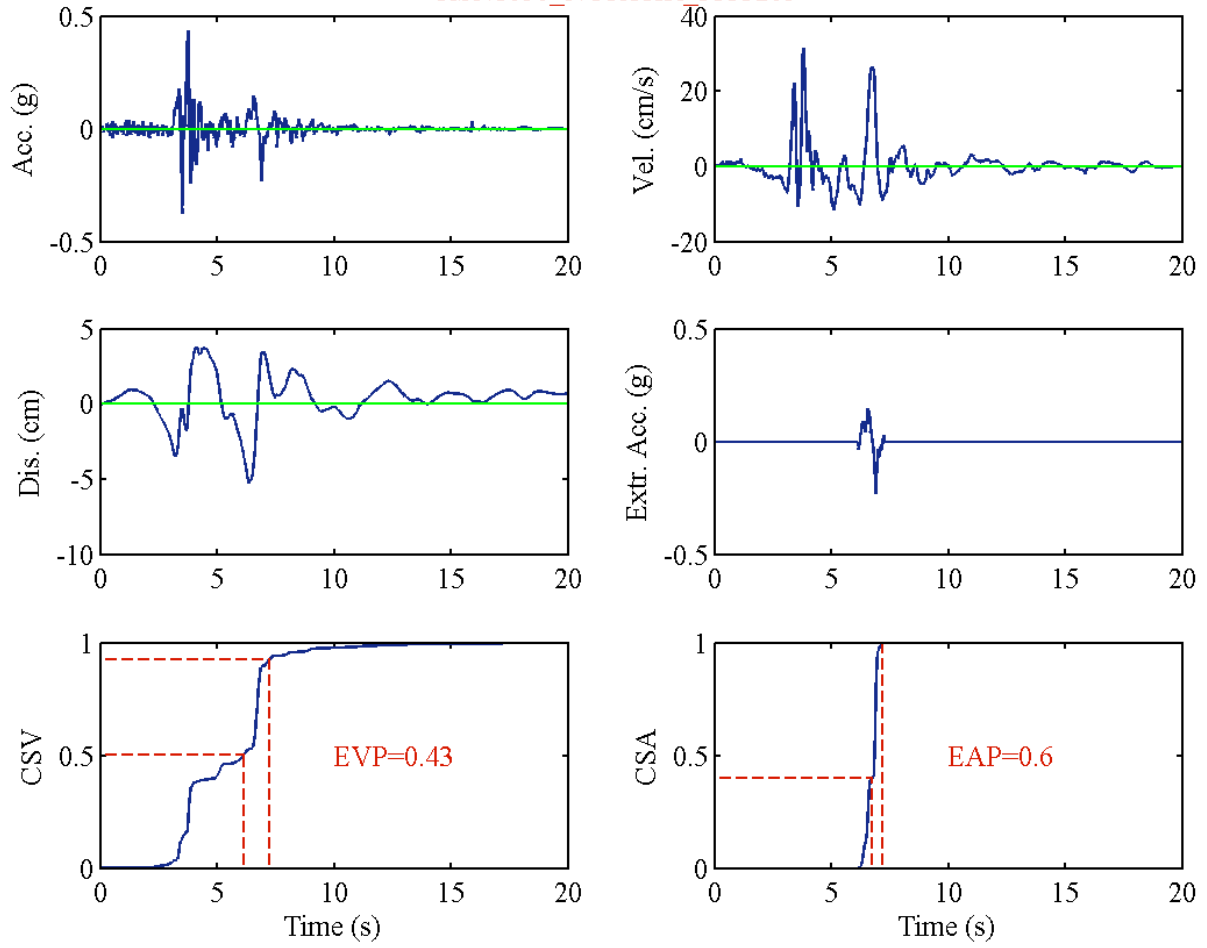
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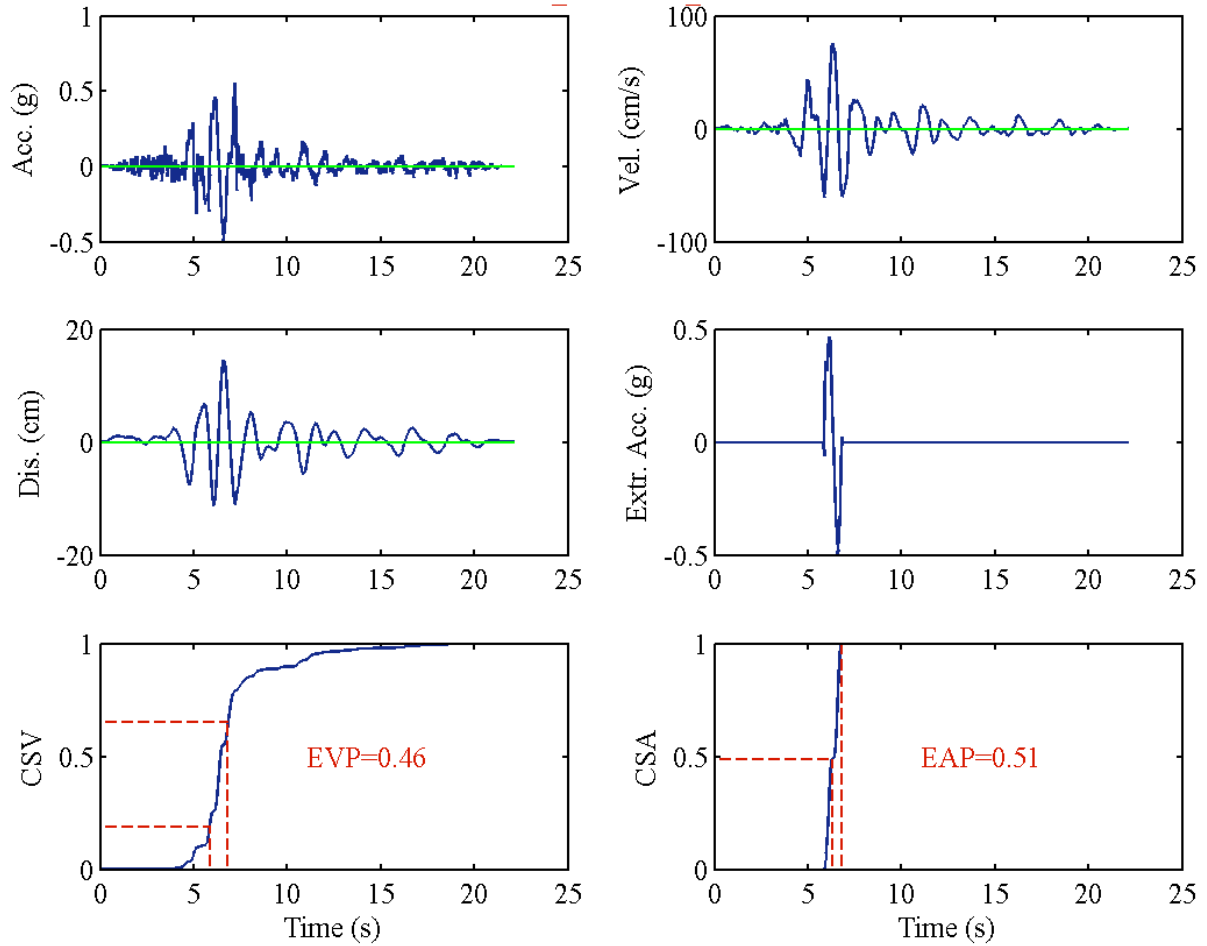
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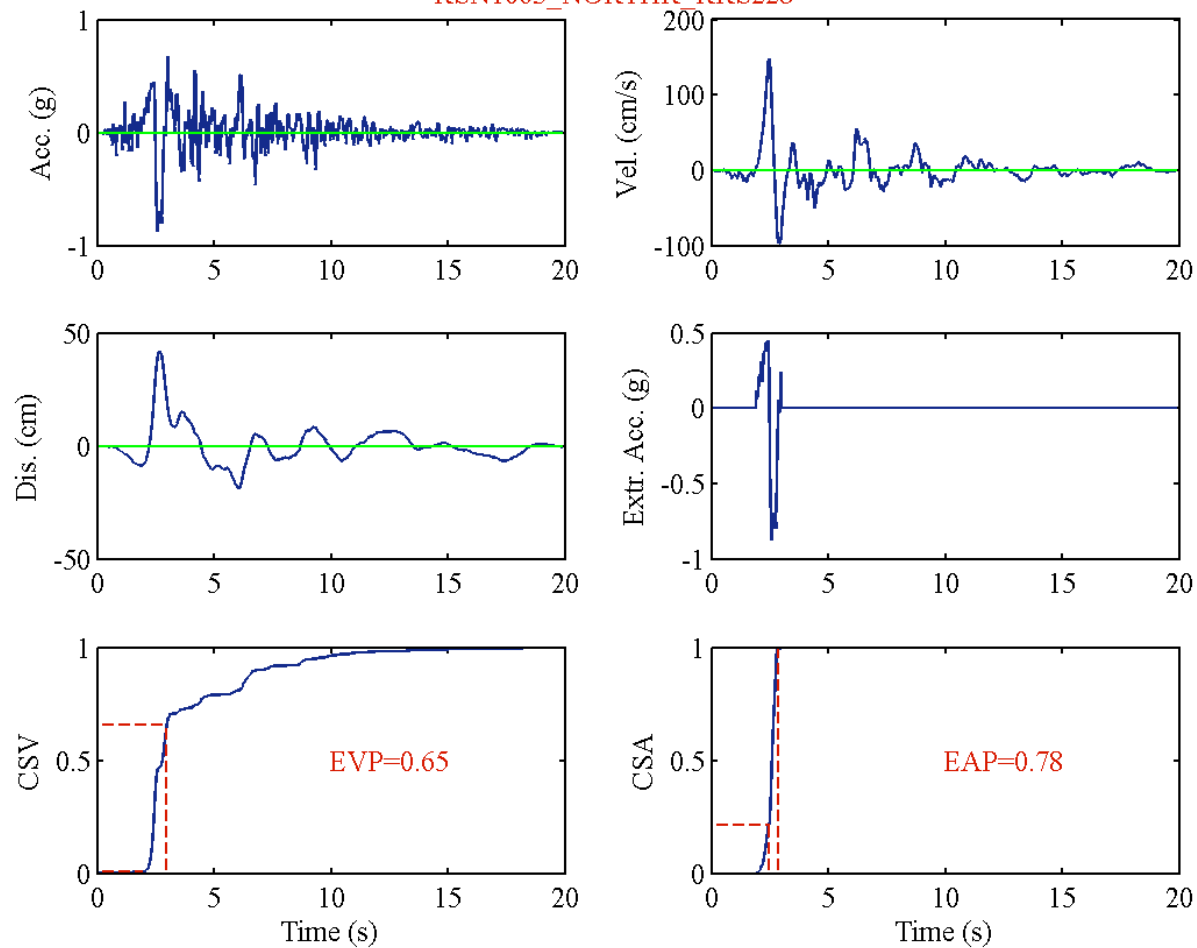
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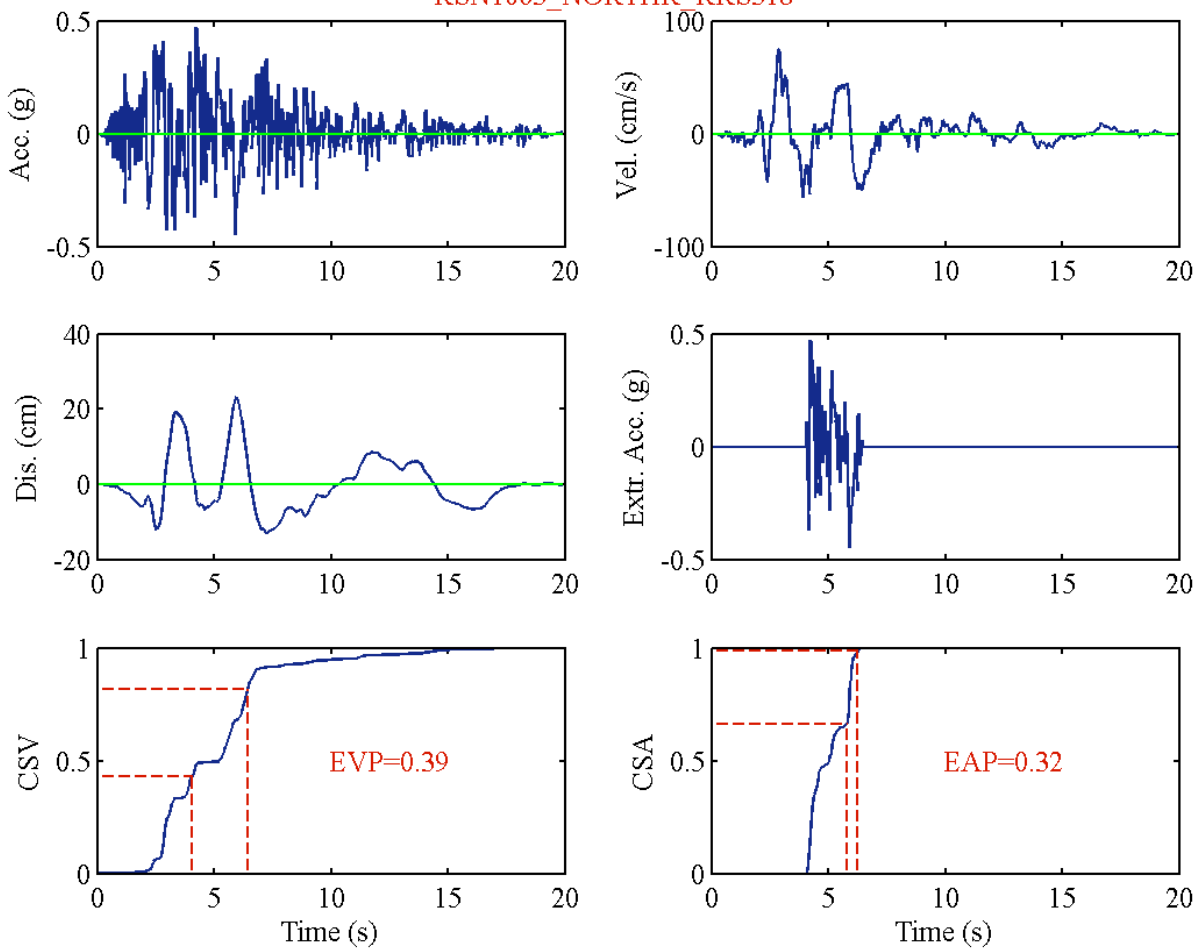
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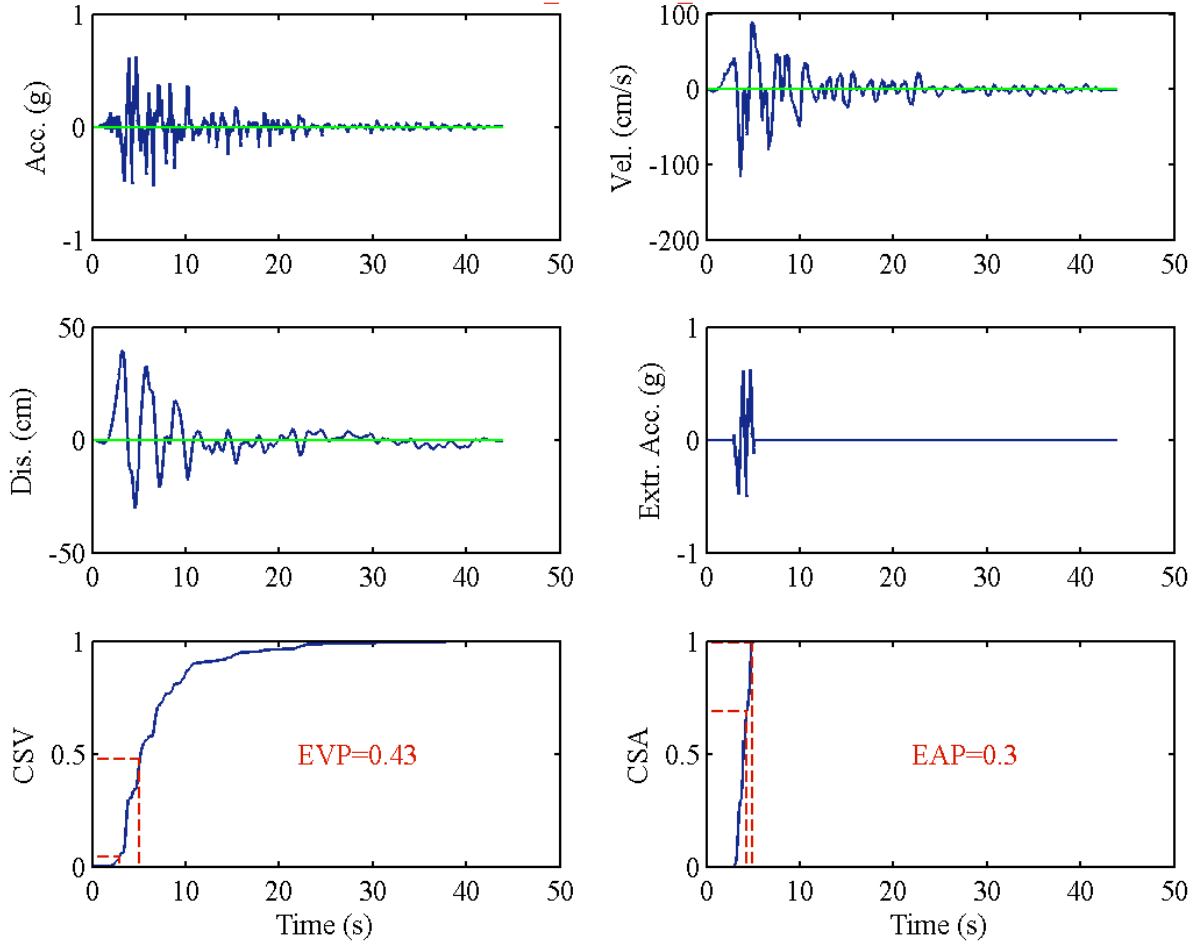
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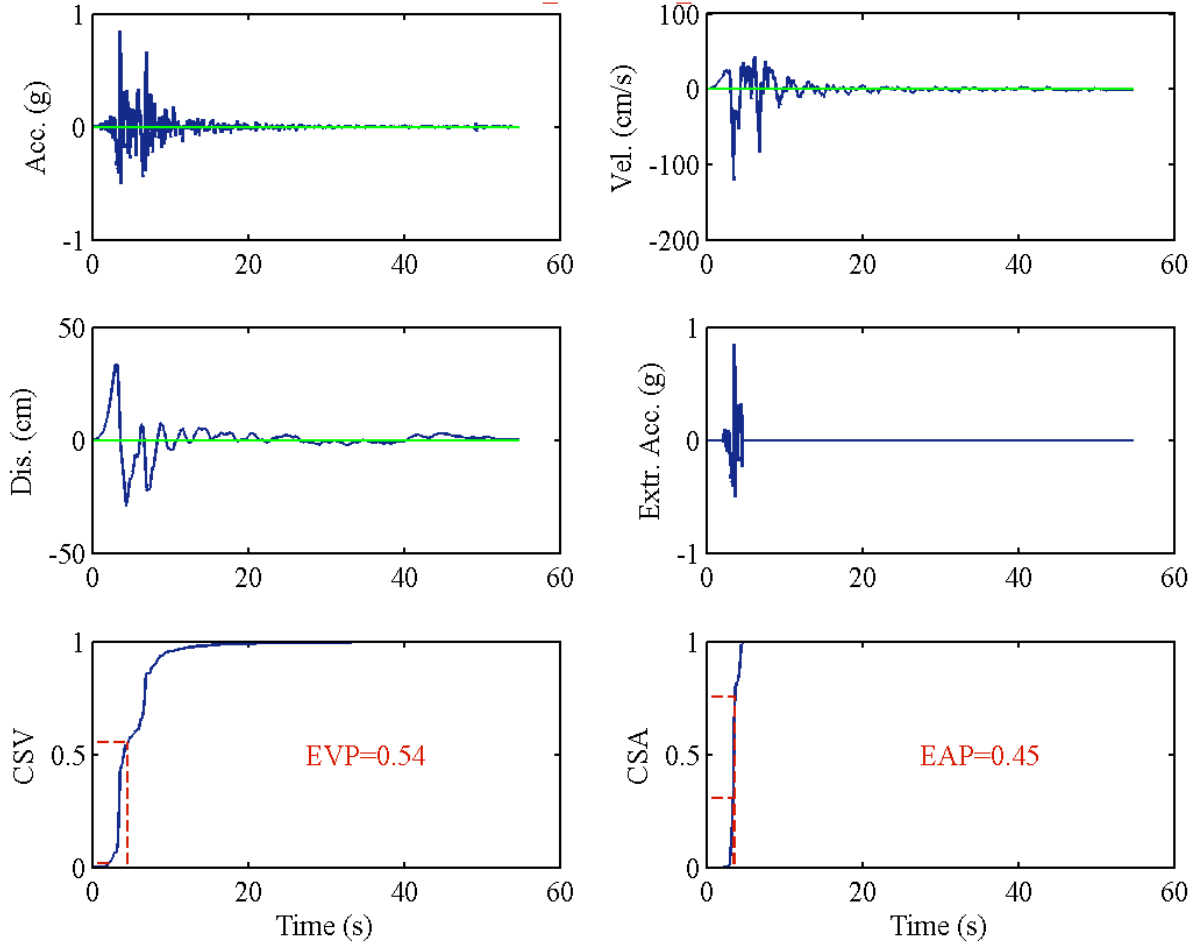
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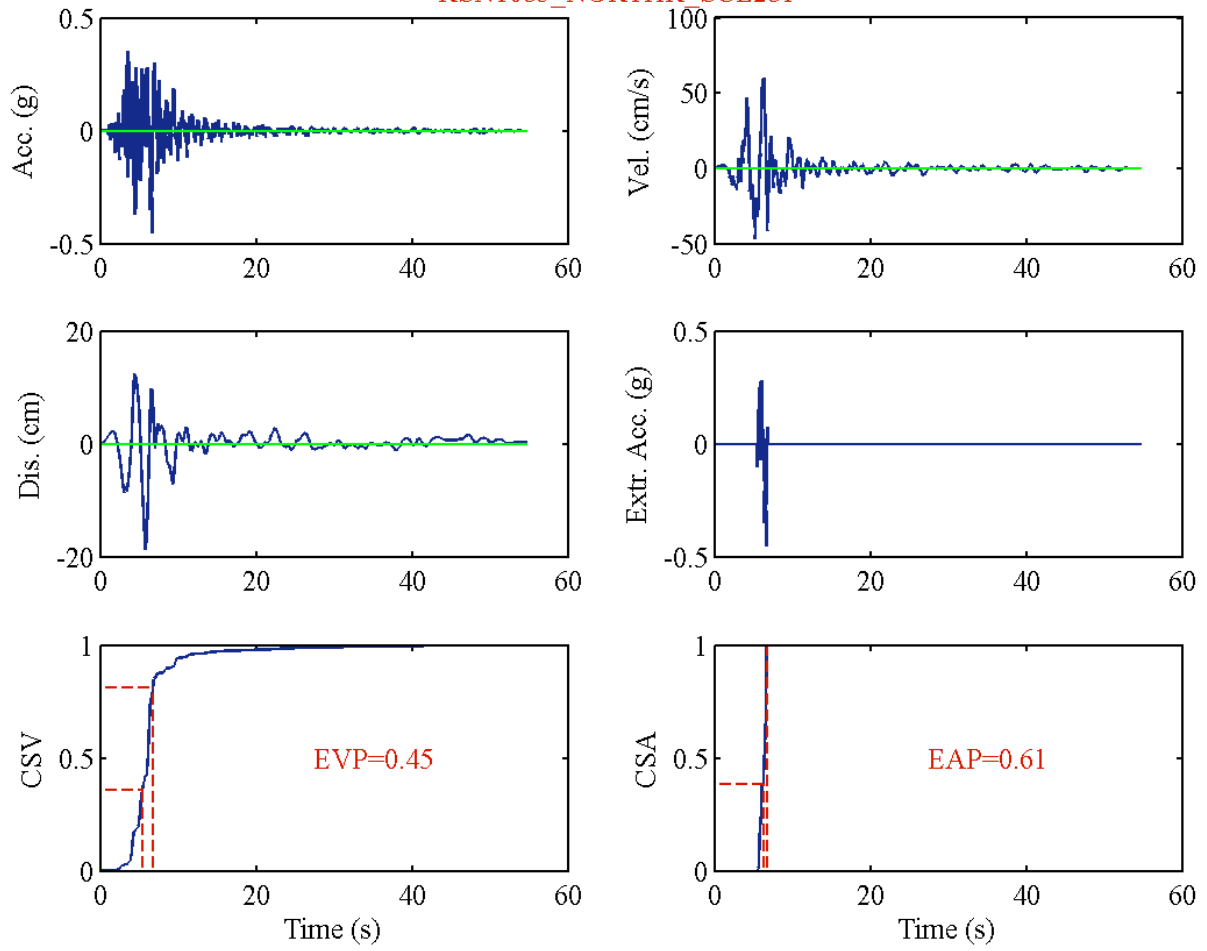
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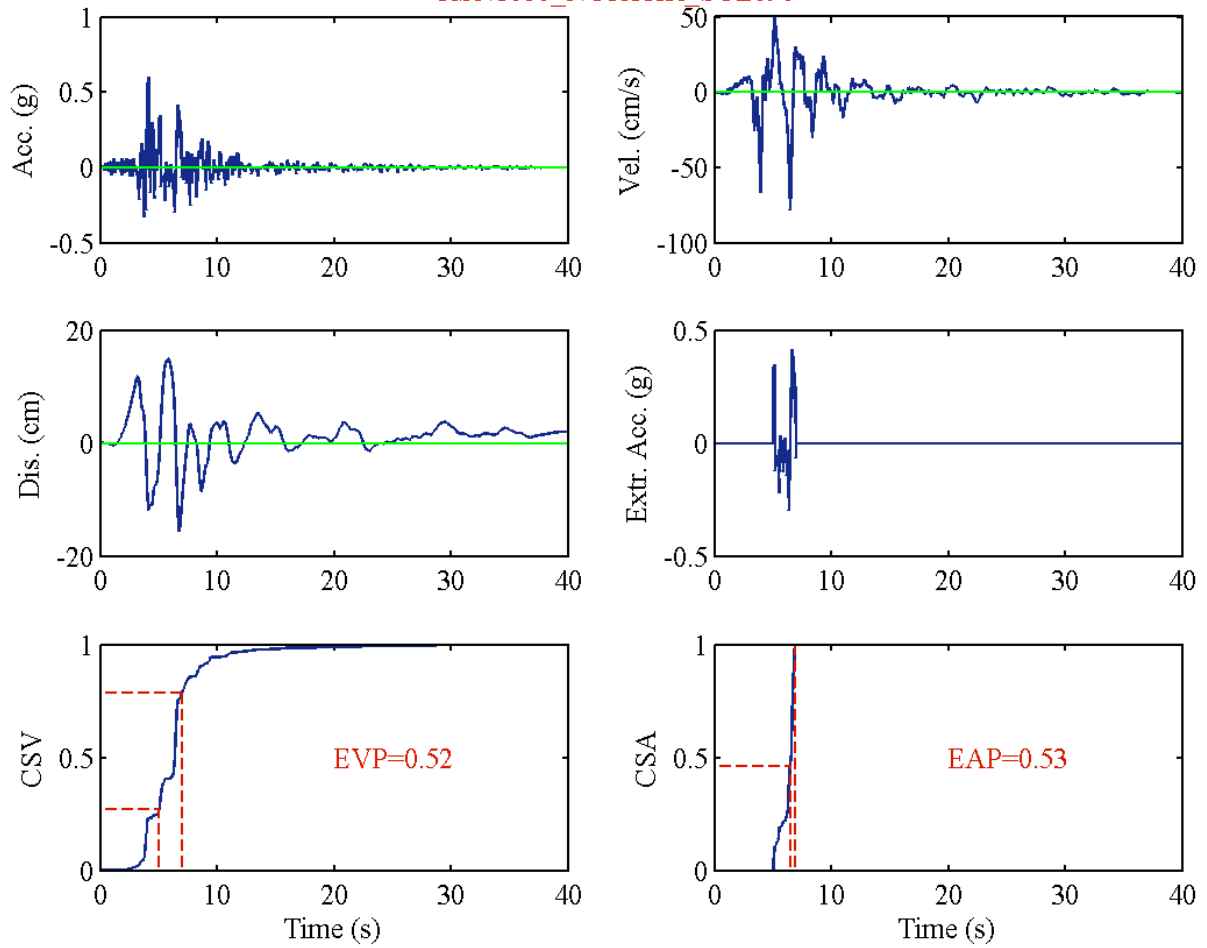
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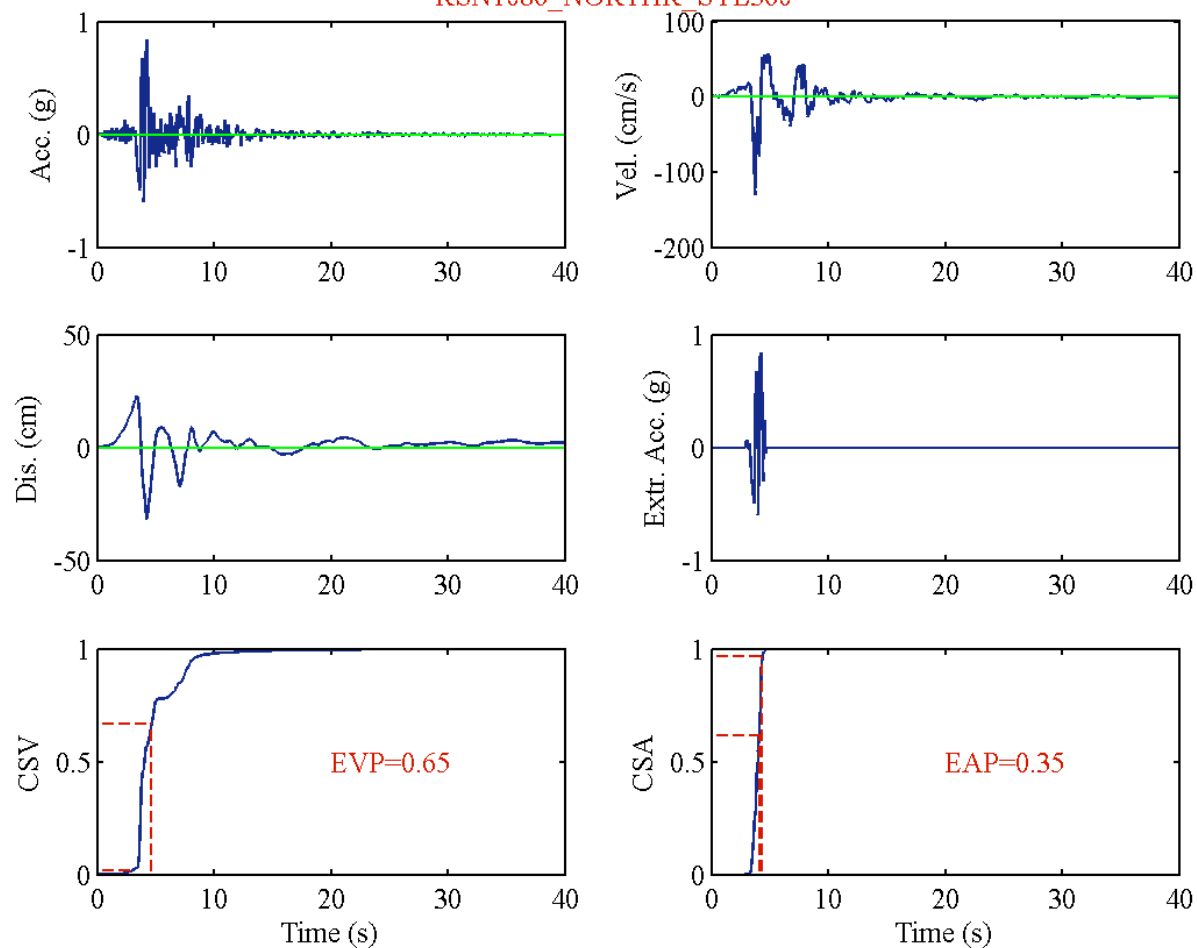
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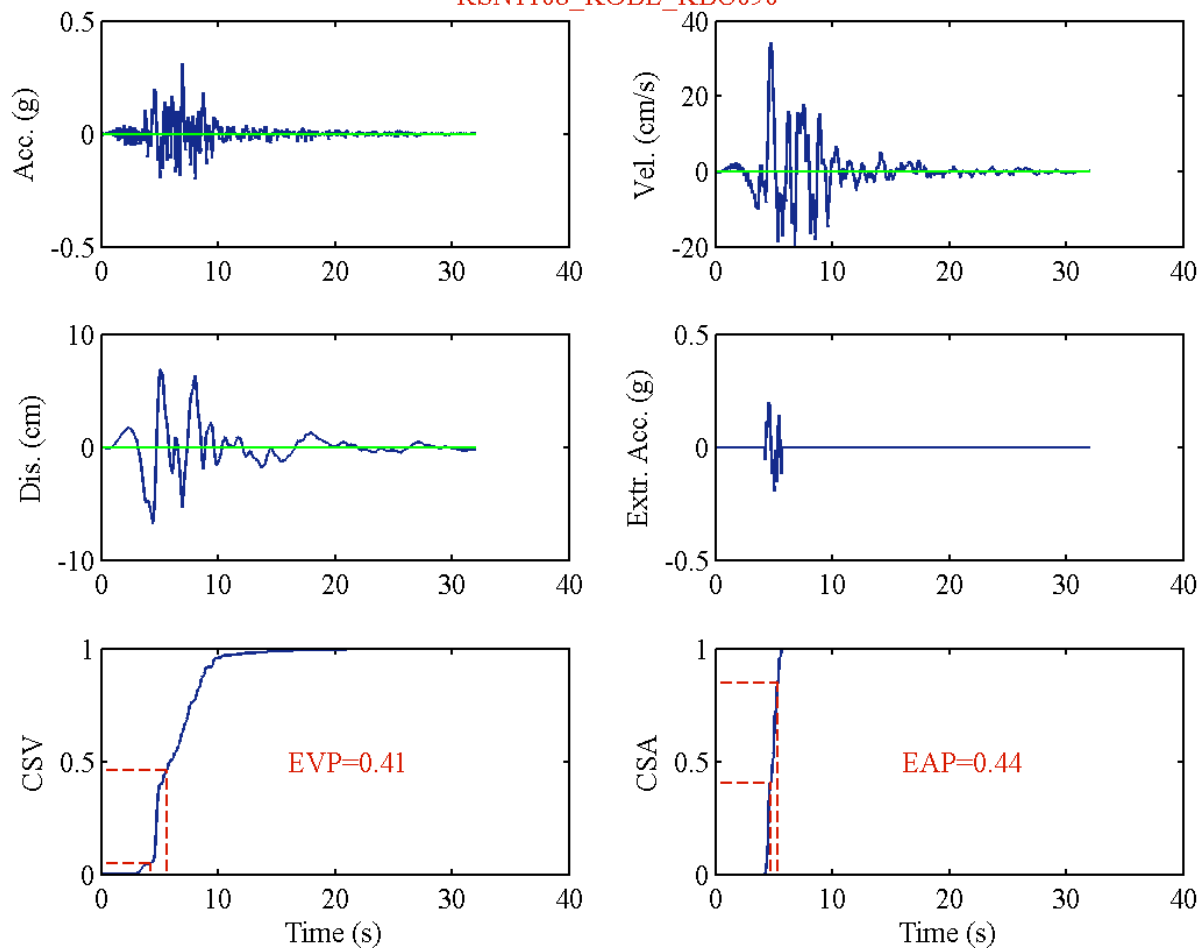
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RSN1086\_NORTHR\_SYL360

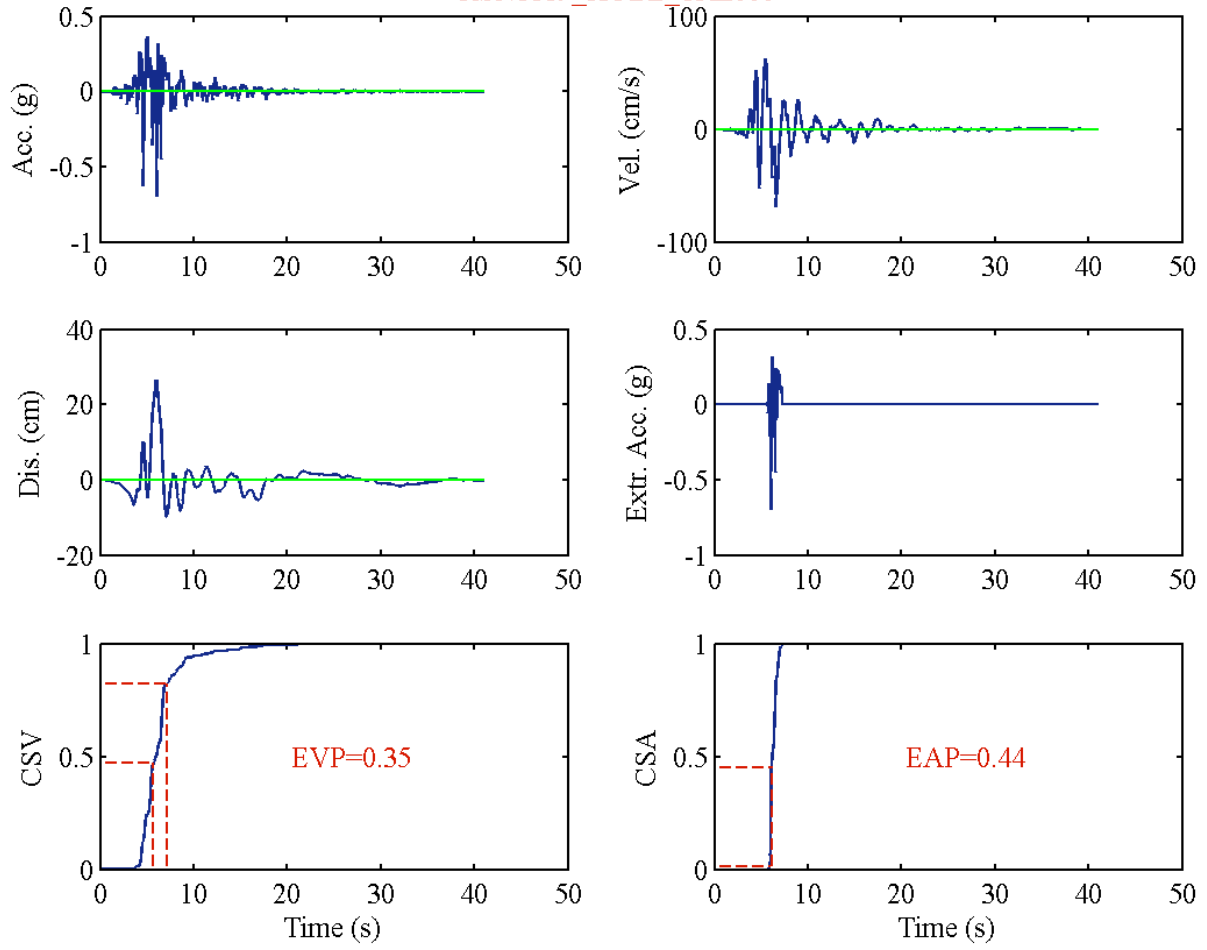


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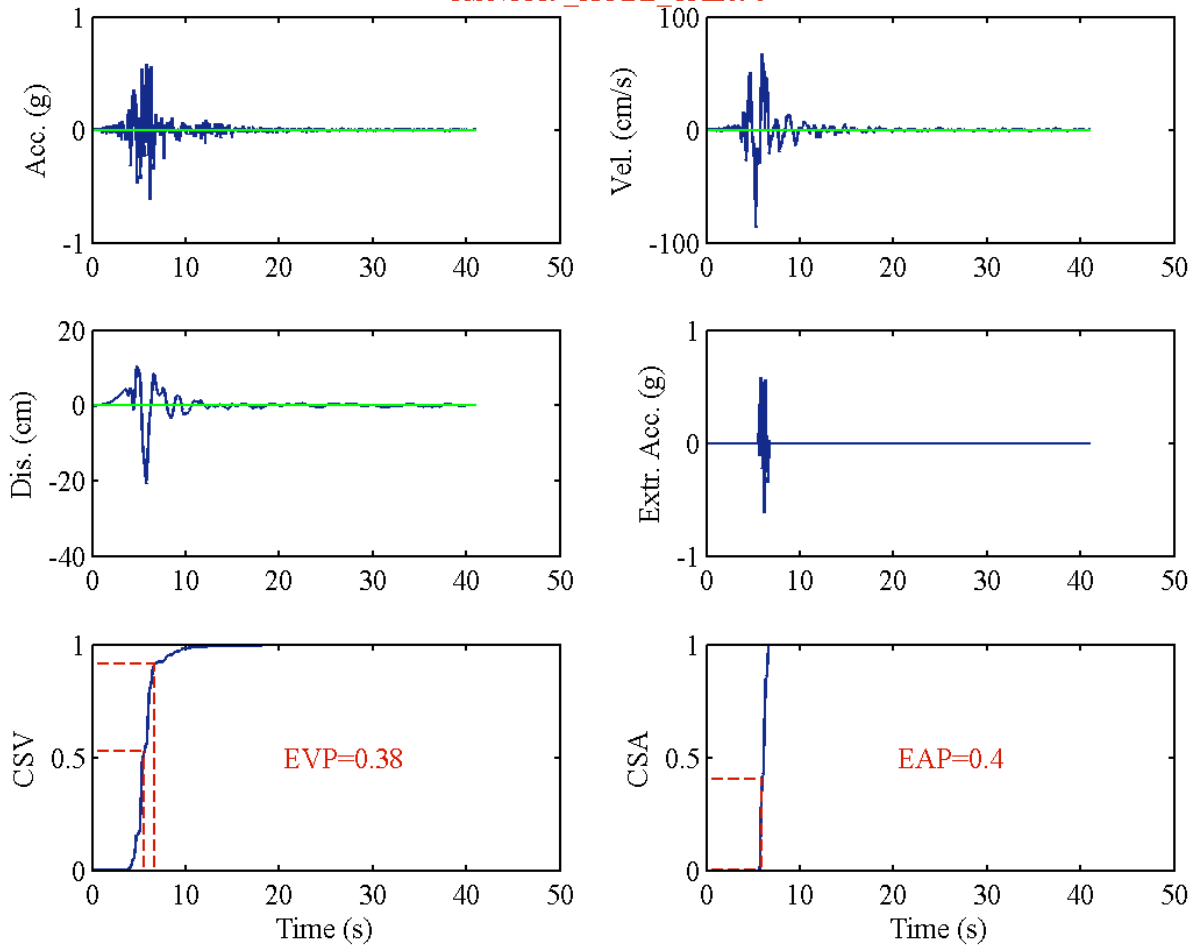




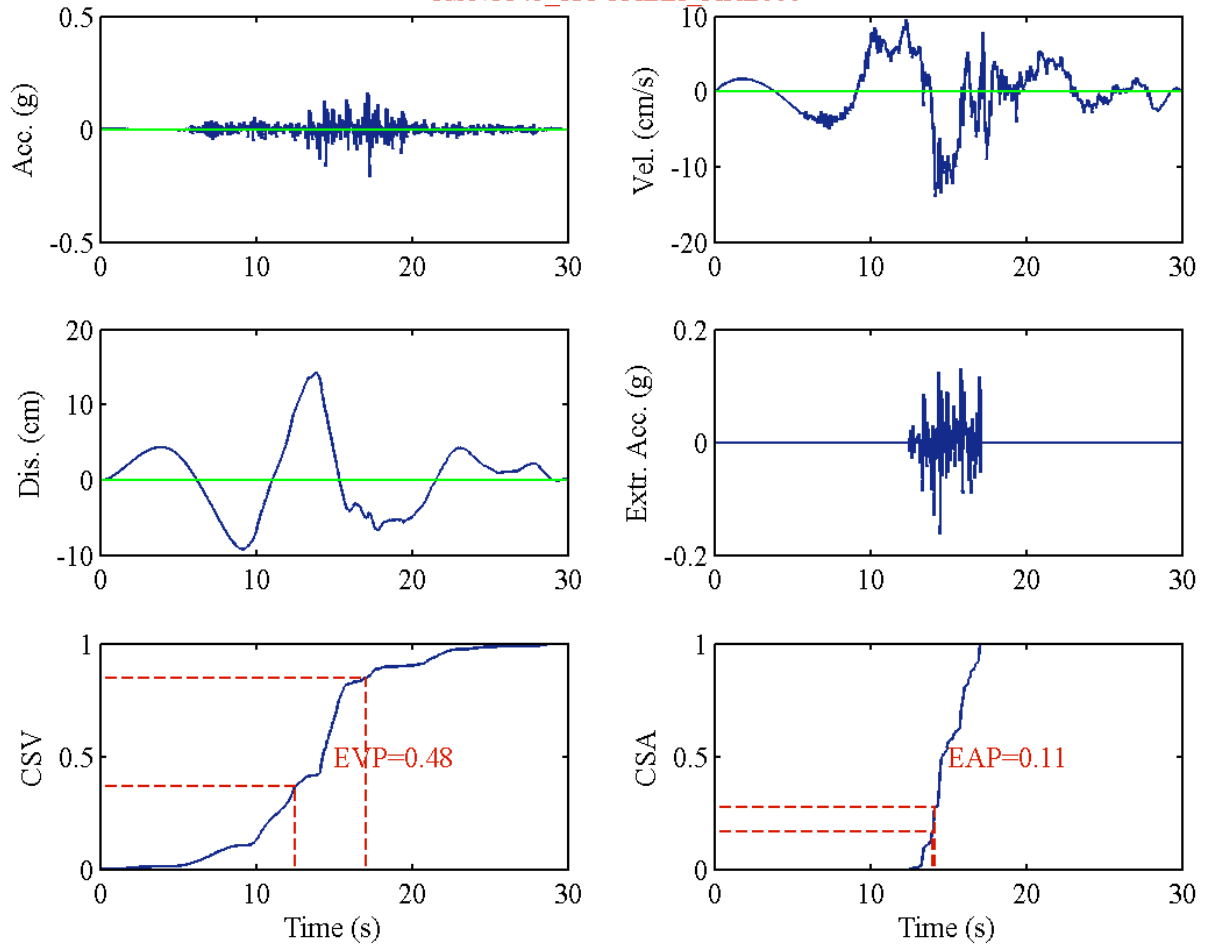
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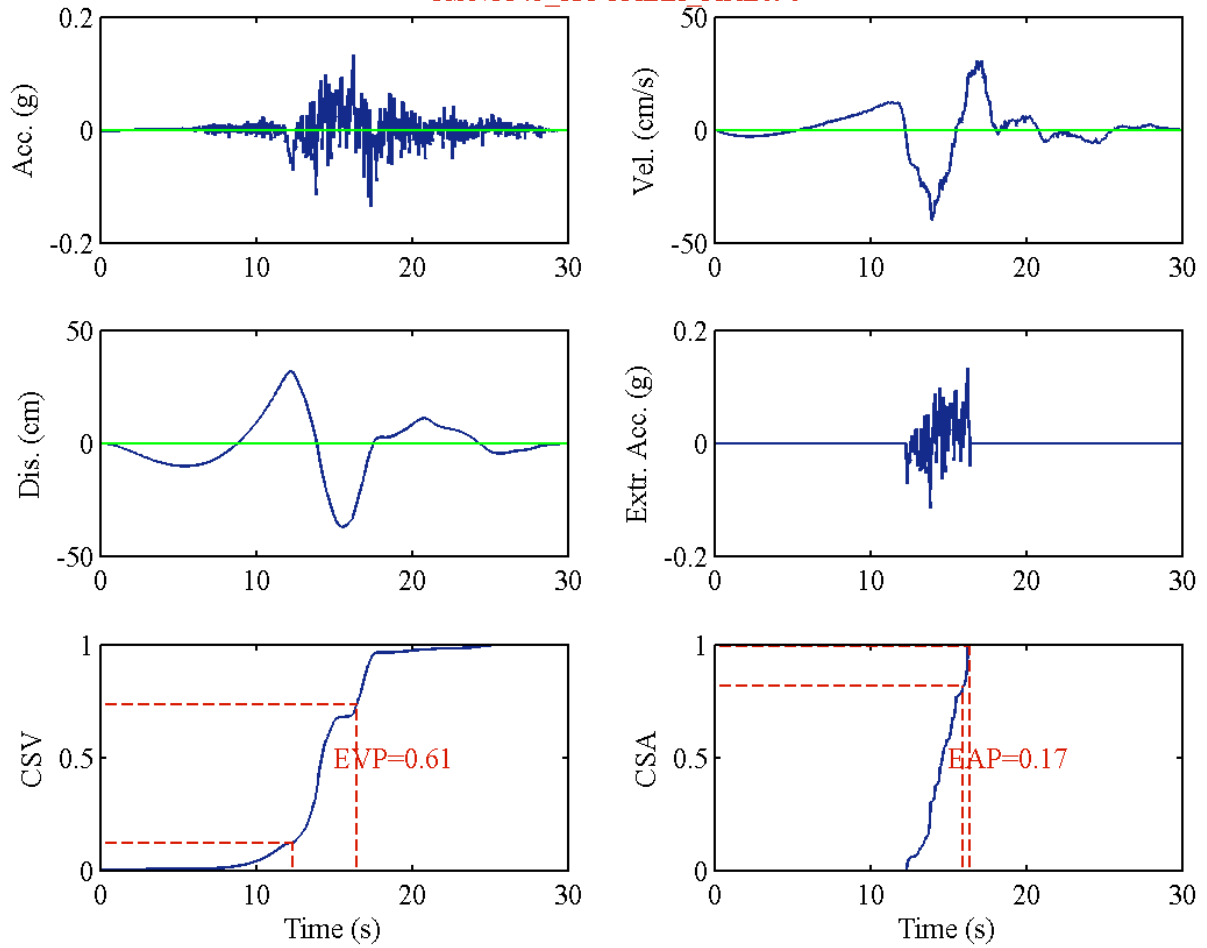
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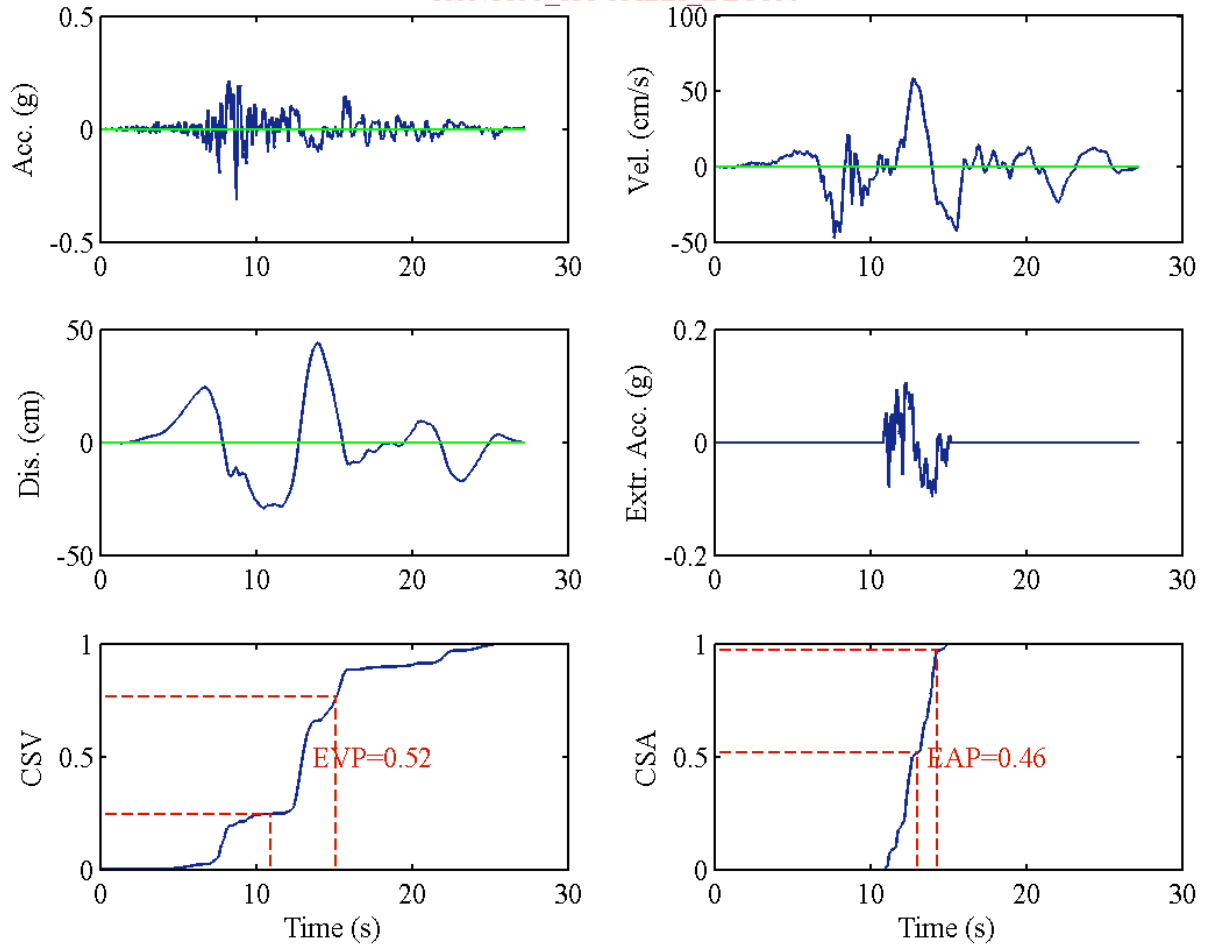
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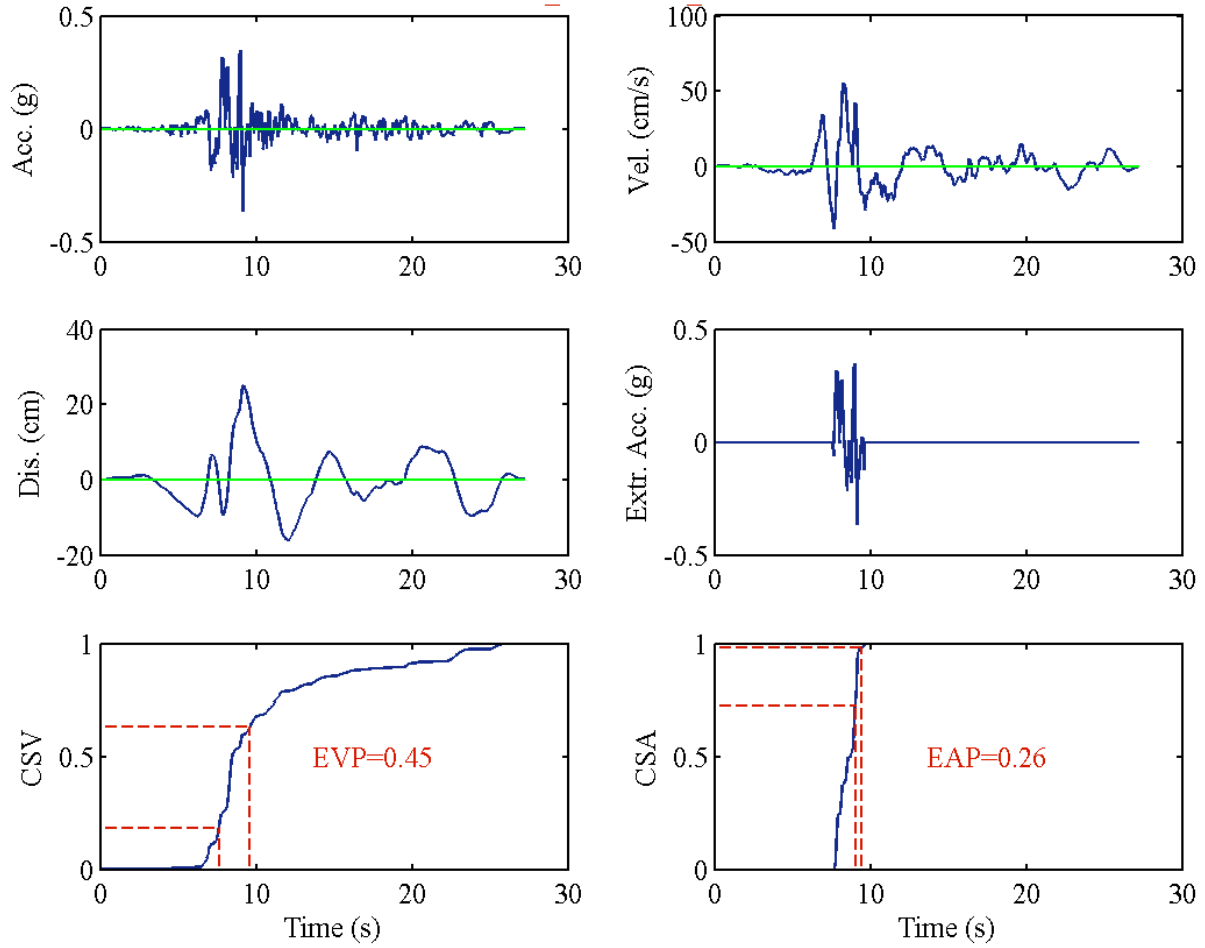
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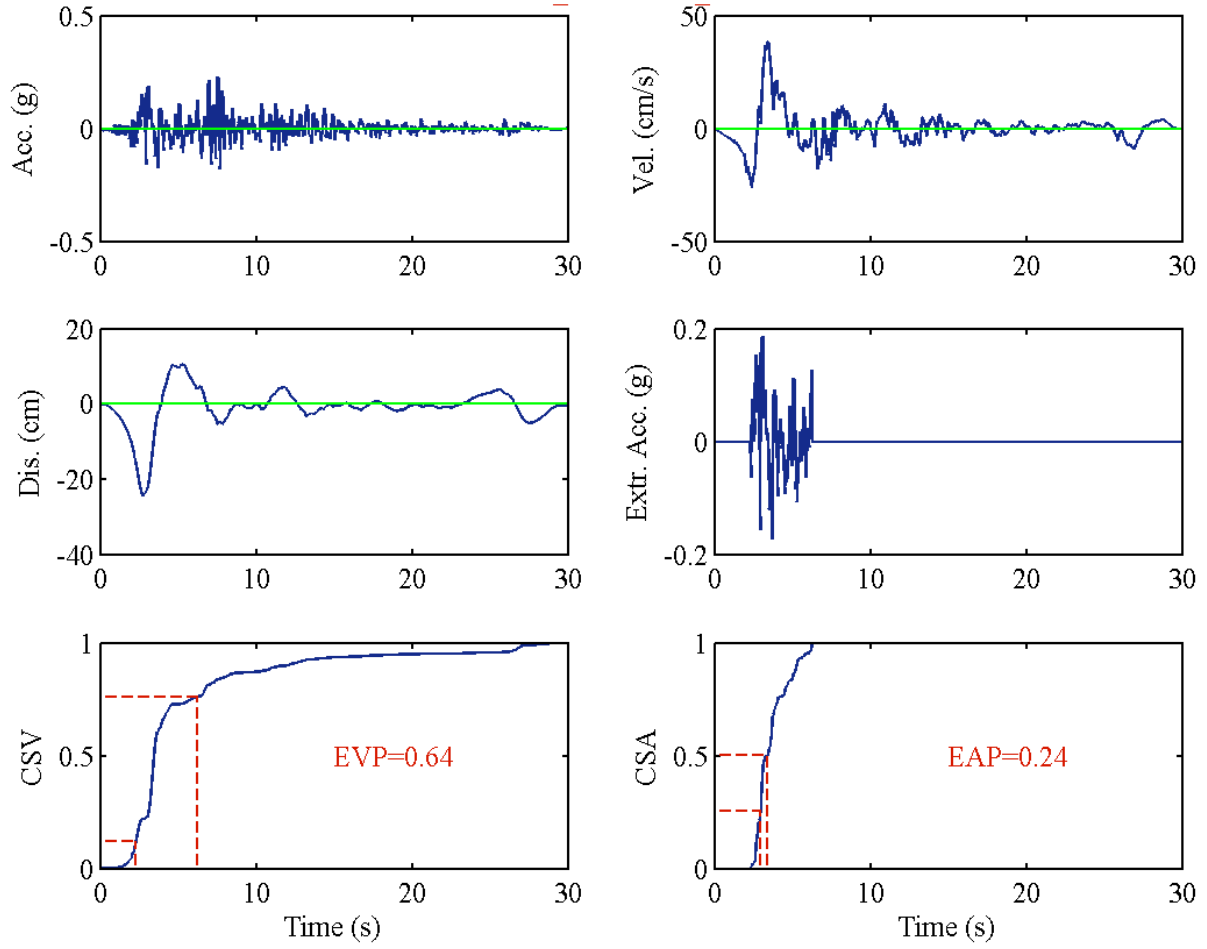
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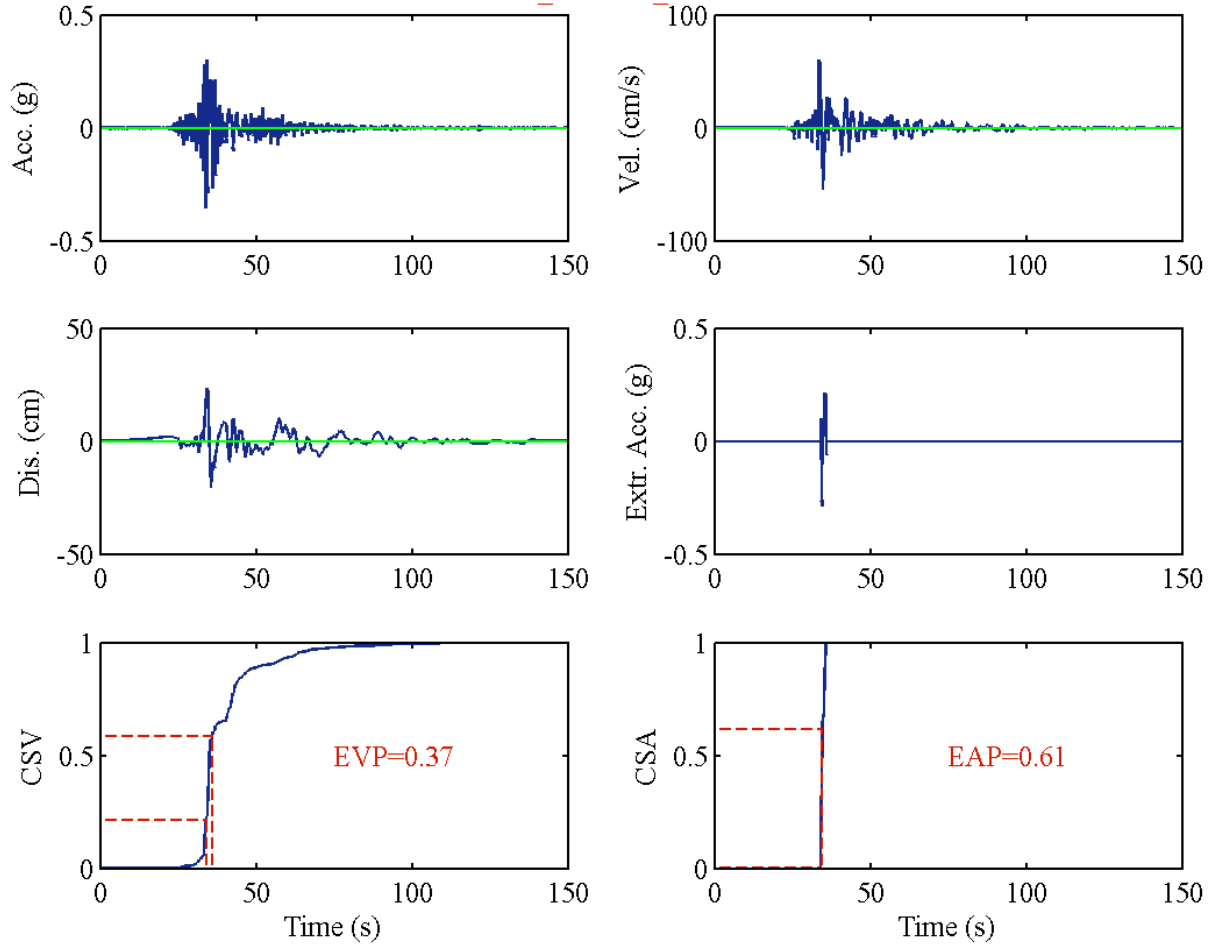
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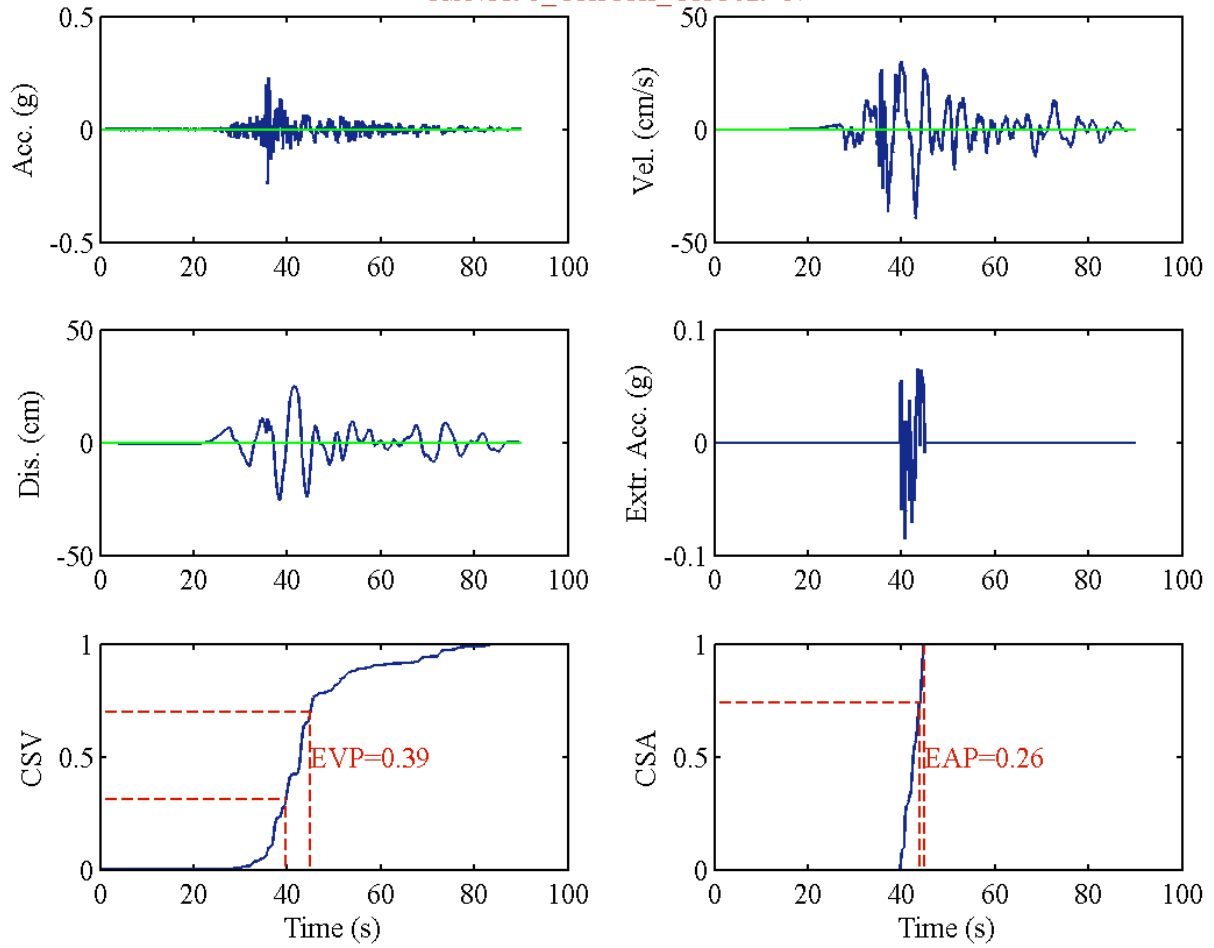
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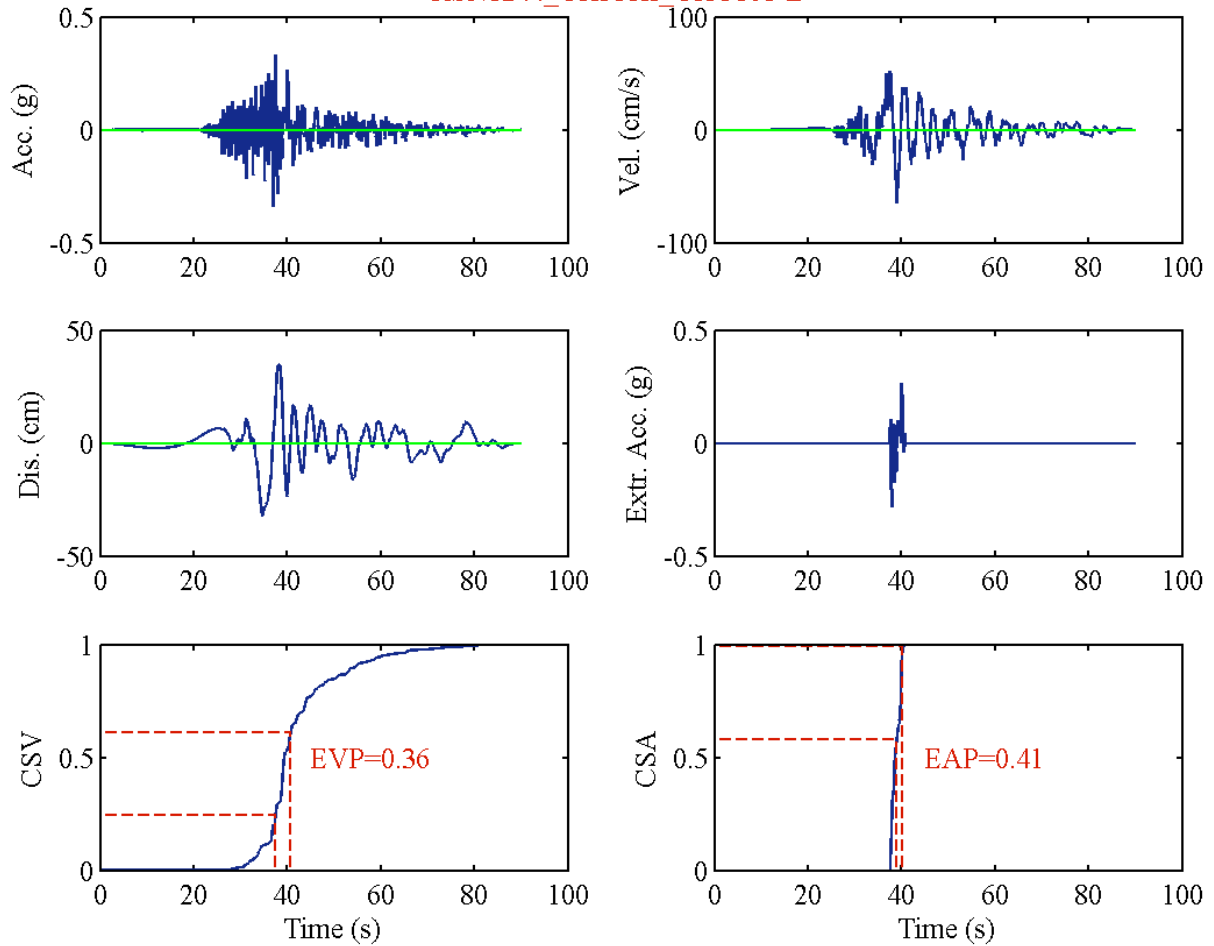
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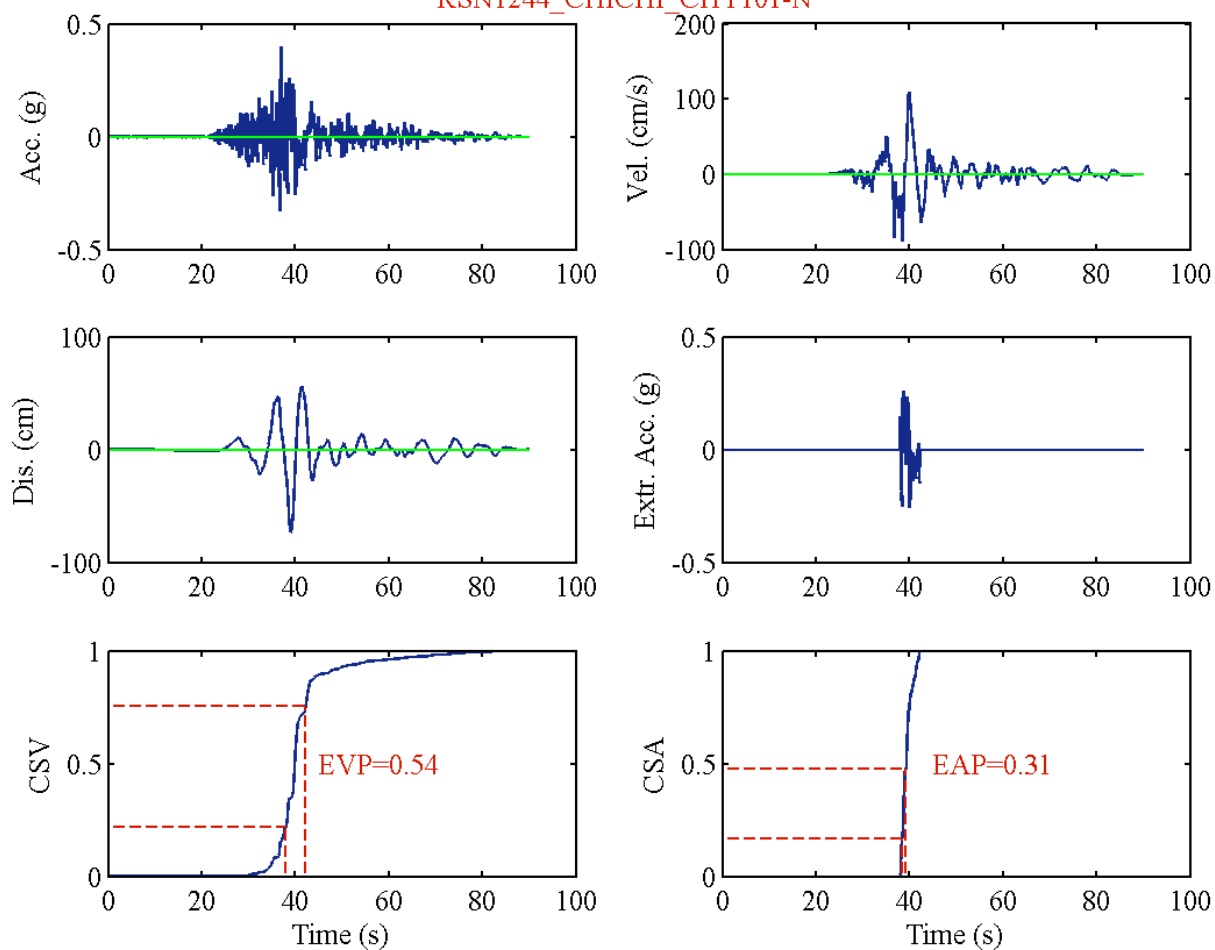
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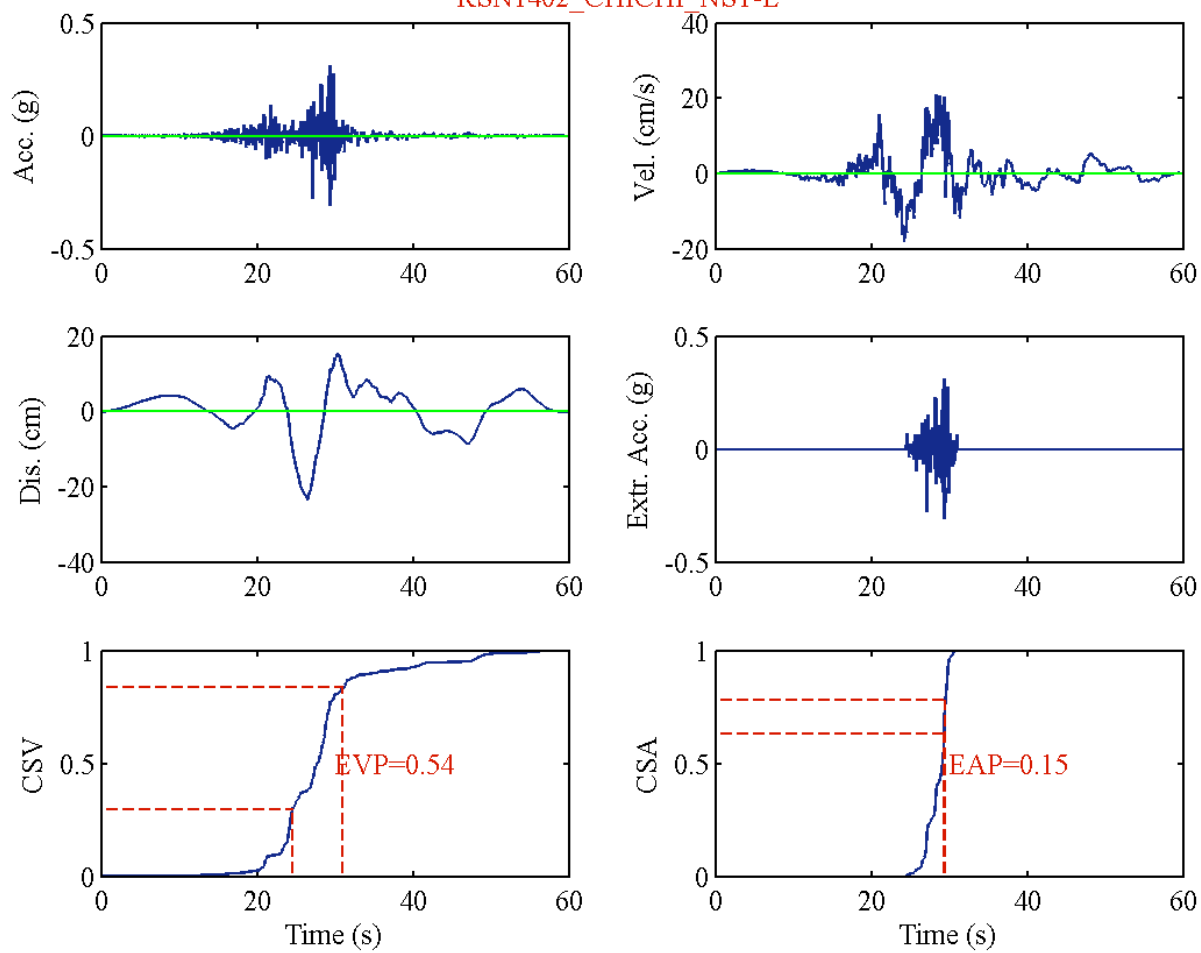
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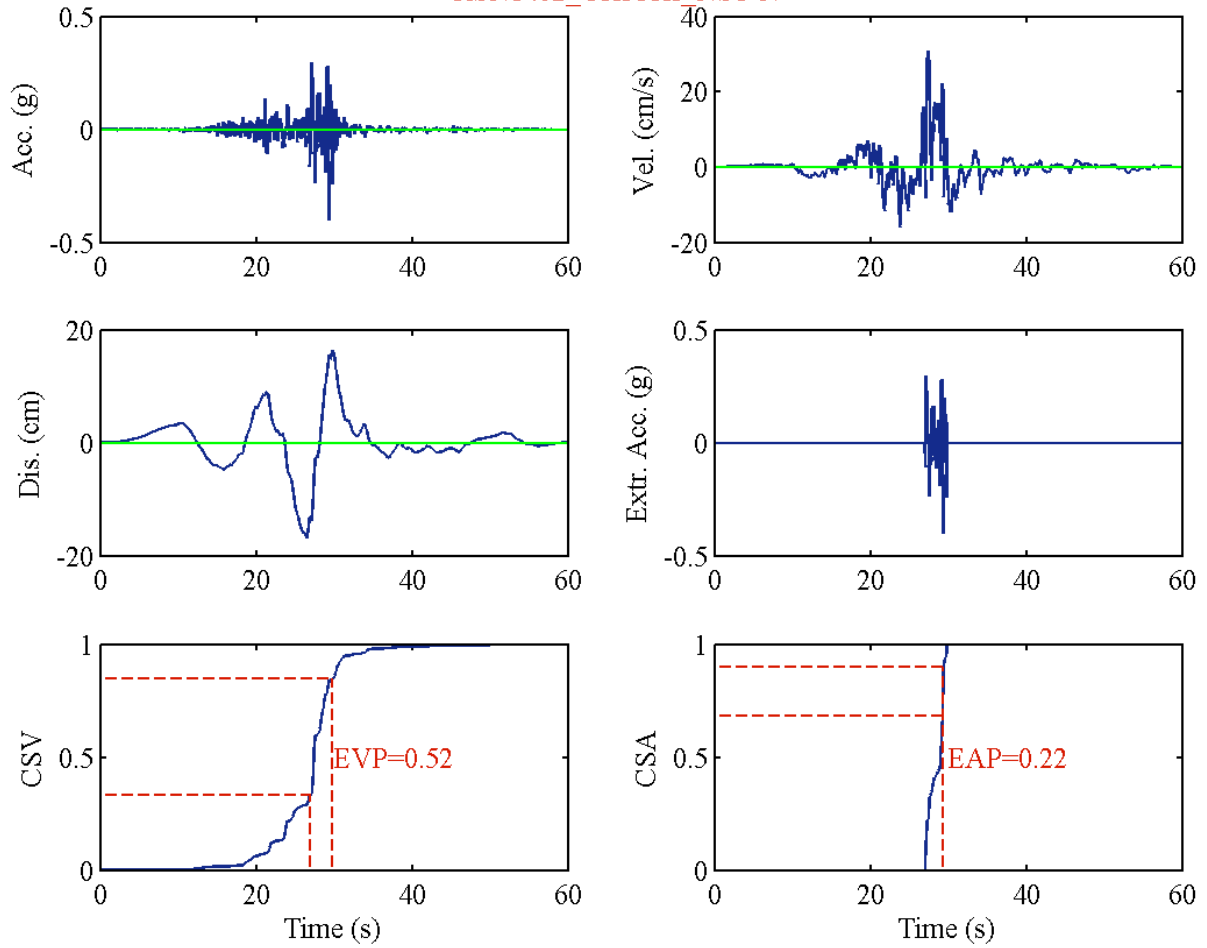
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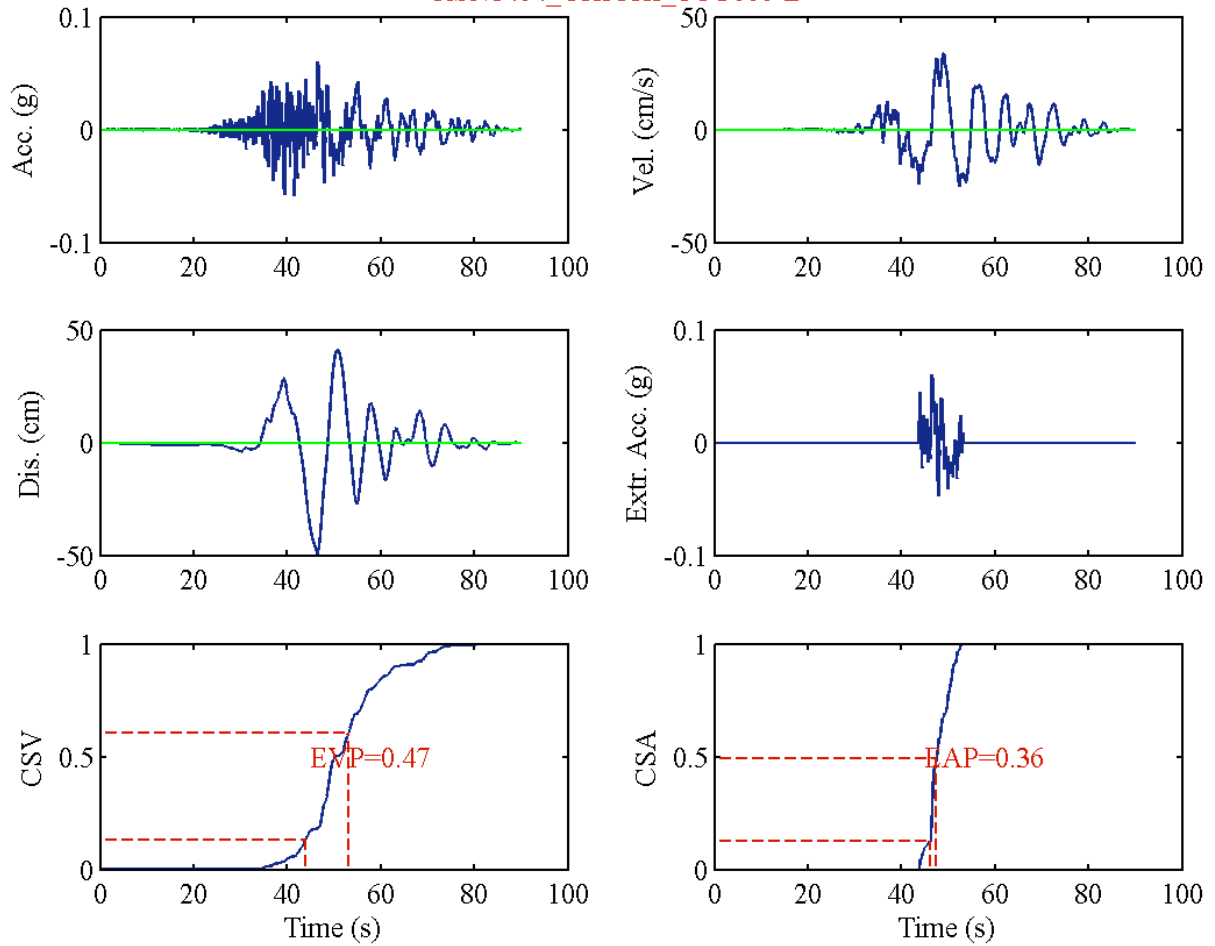
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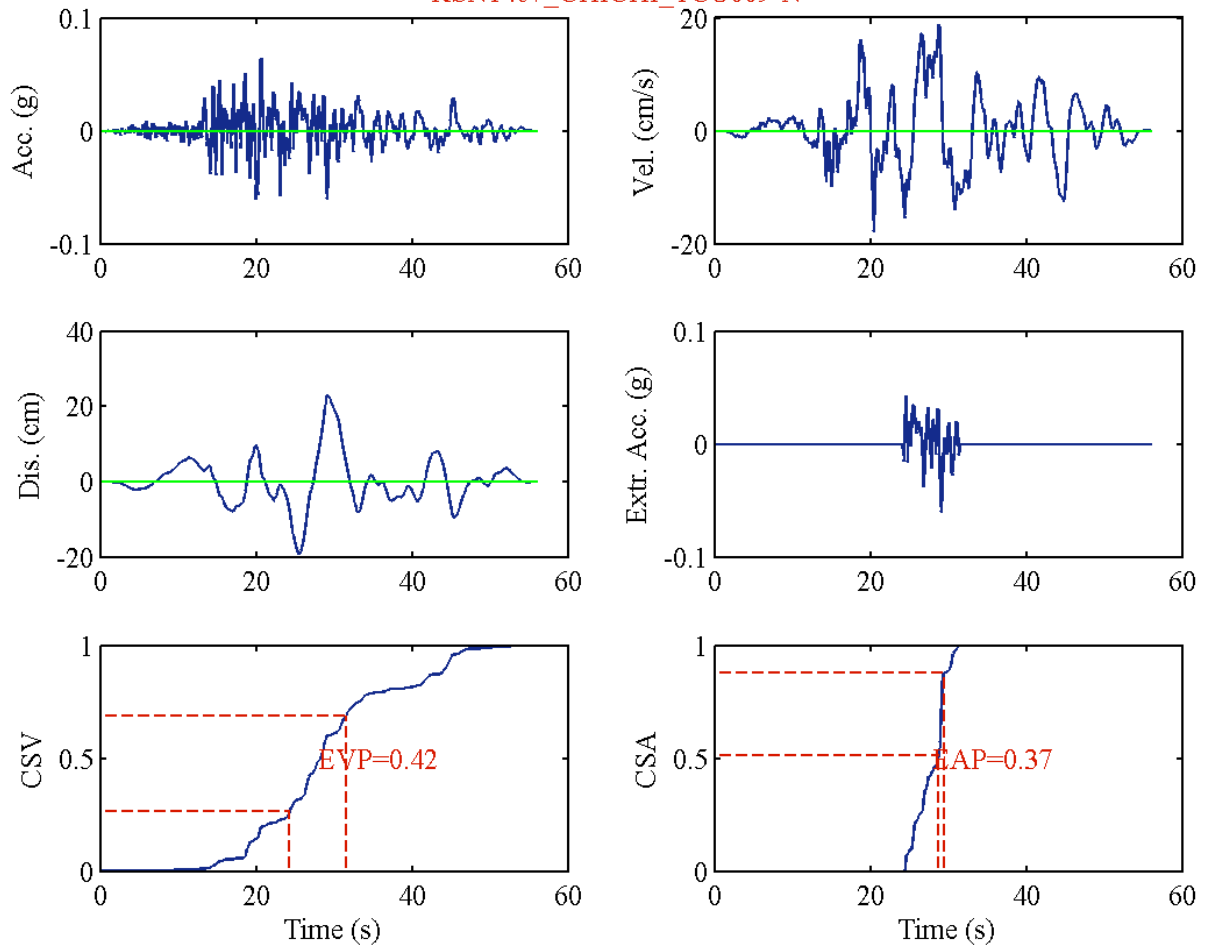
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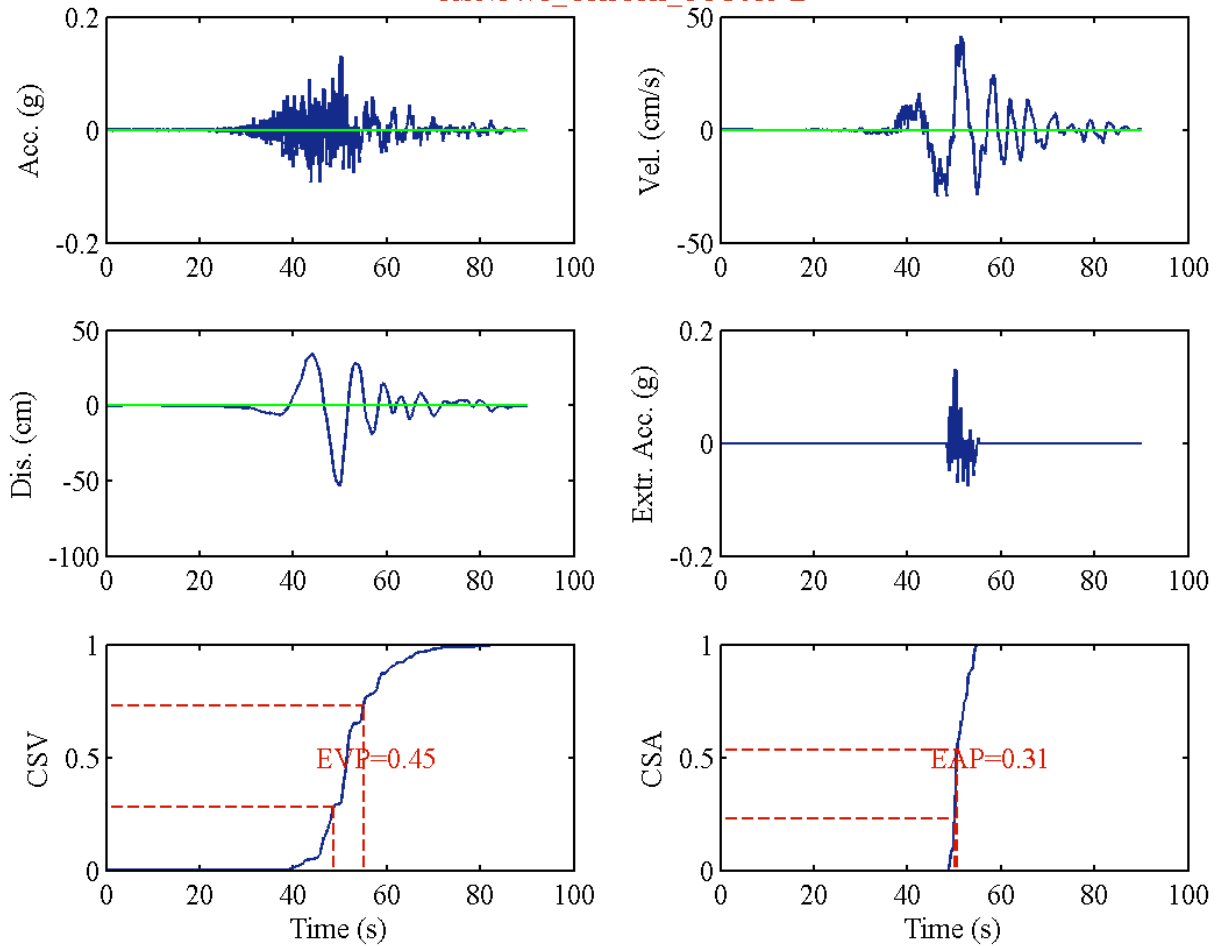
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RSN1467\_CHICHI\_TCU009-N

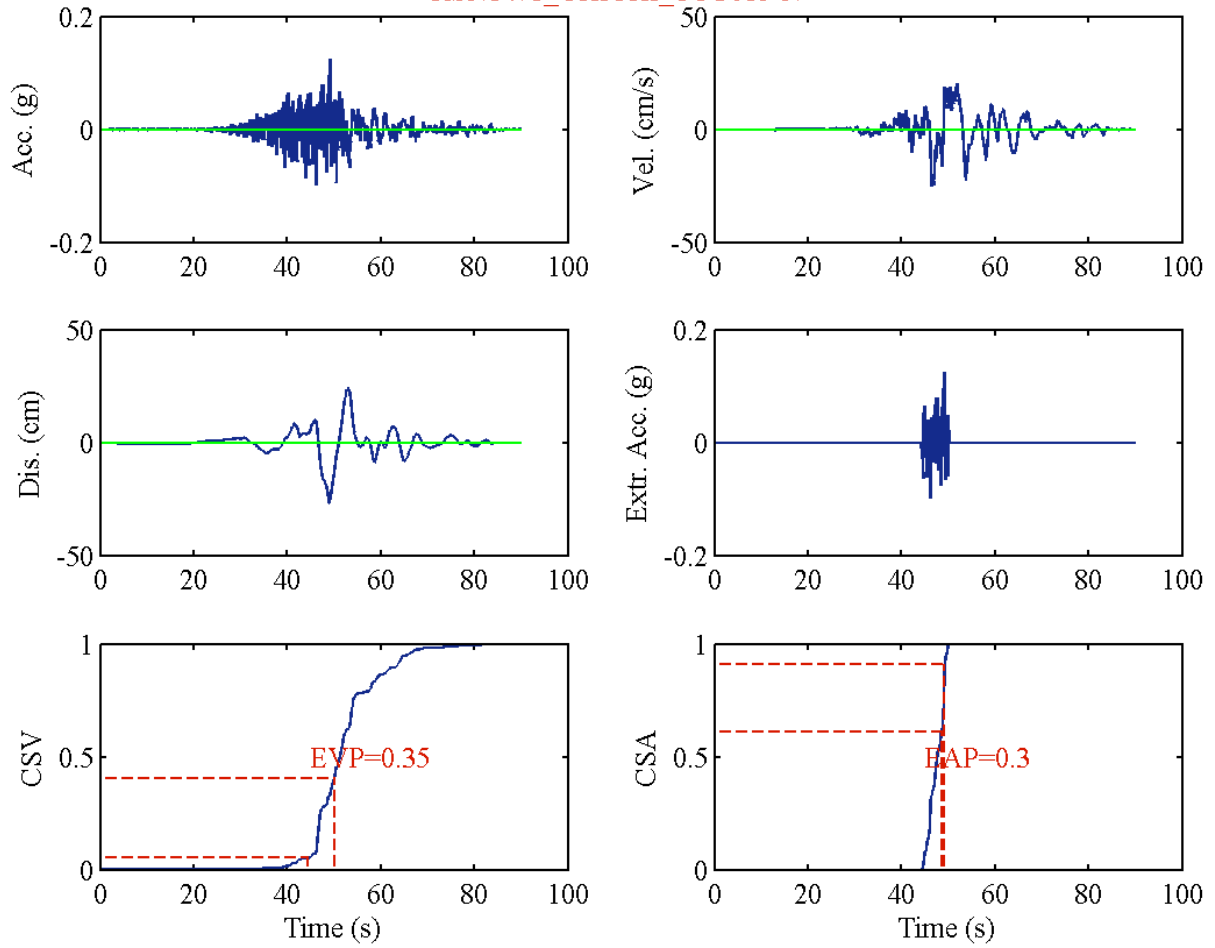


RSN1471\_CHICHI\_TCU015-E

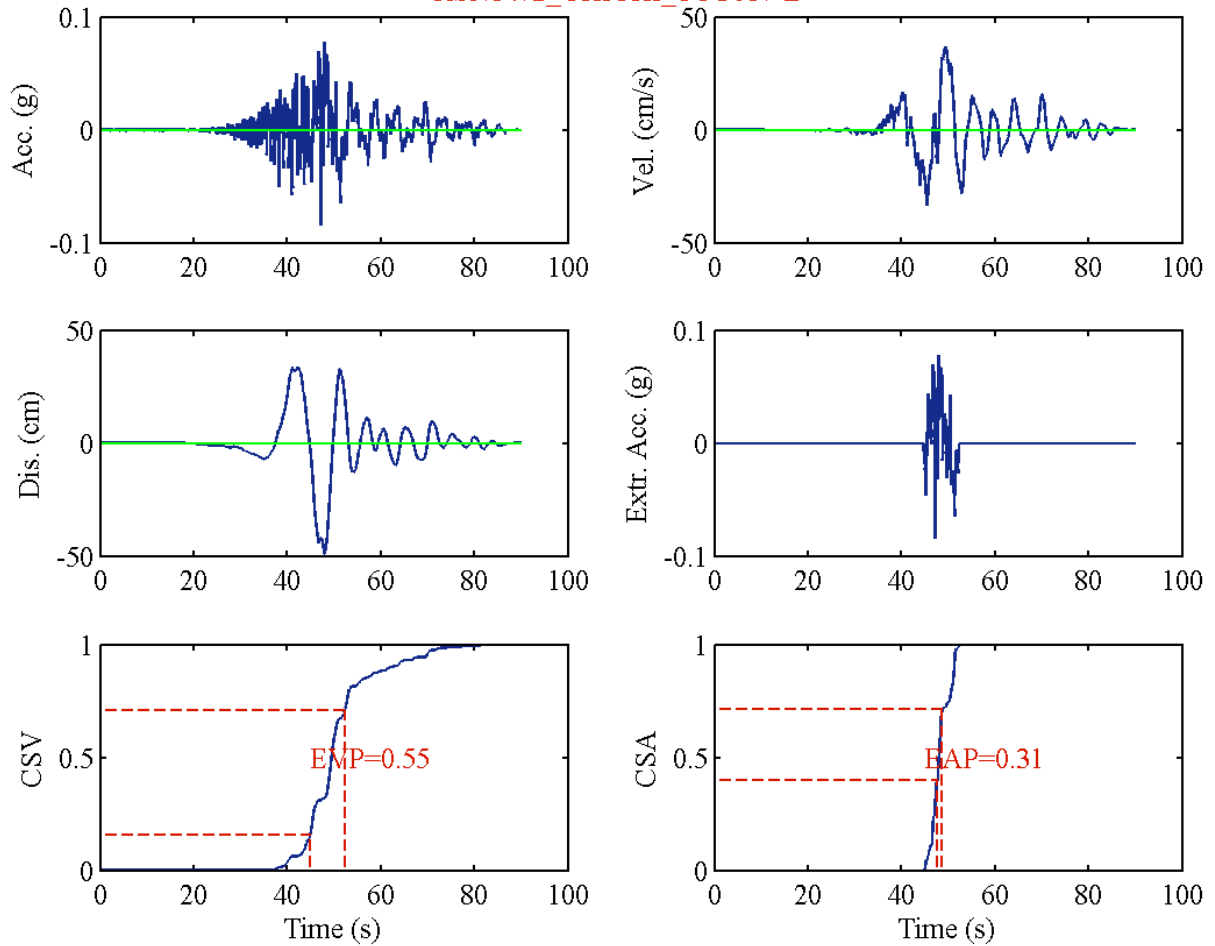




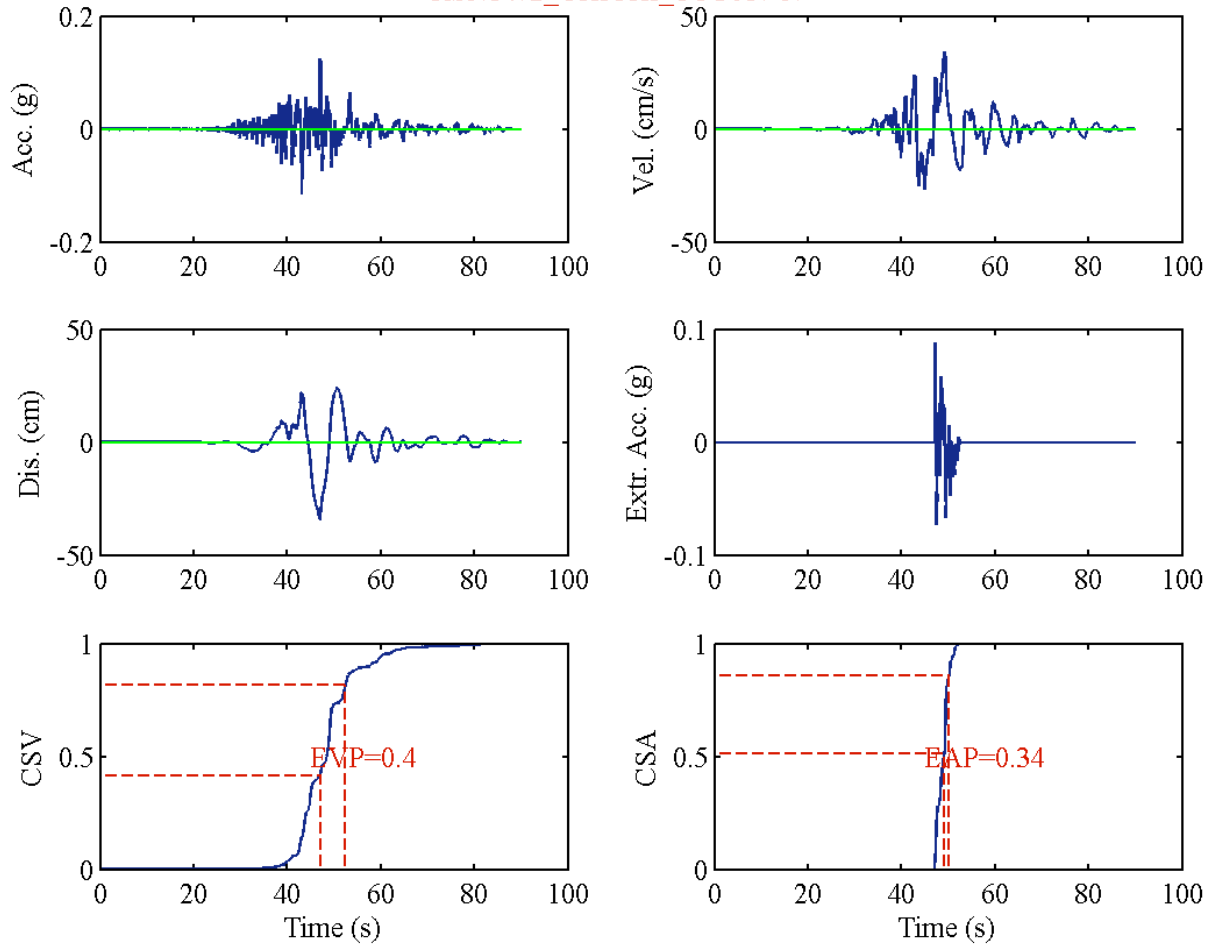
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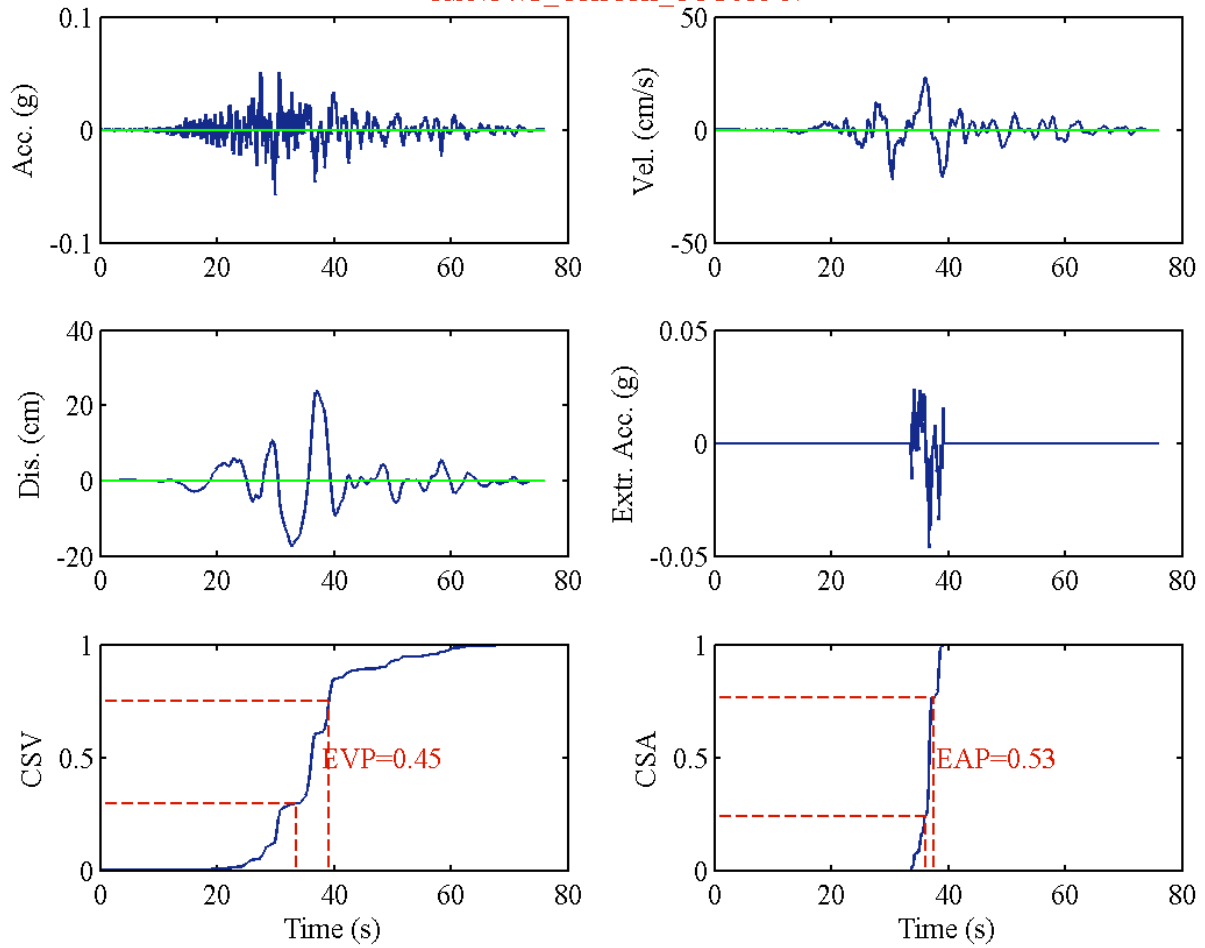
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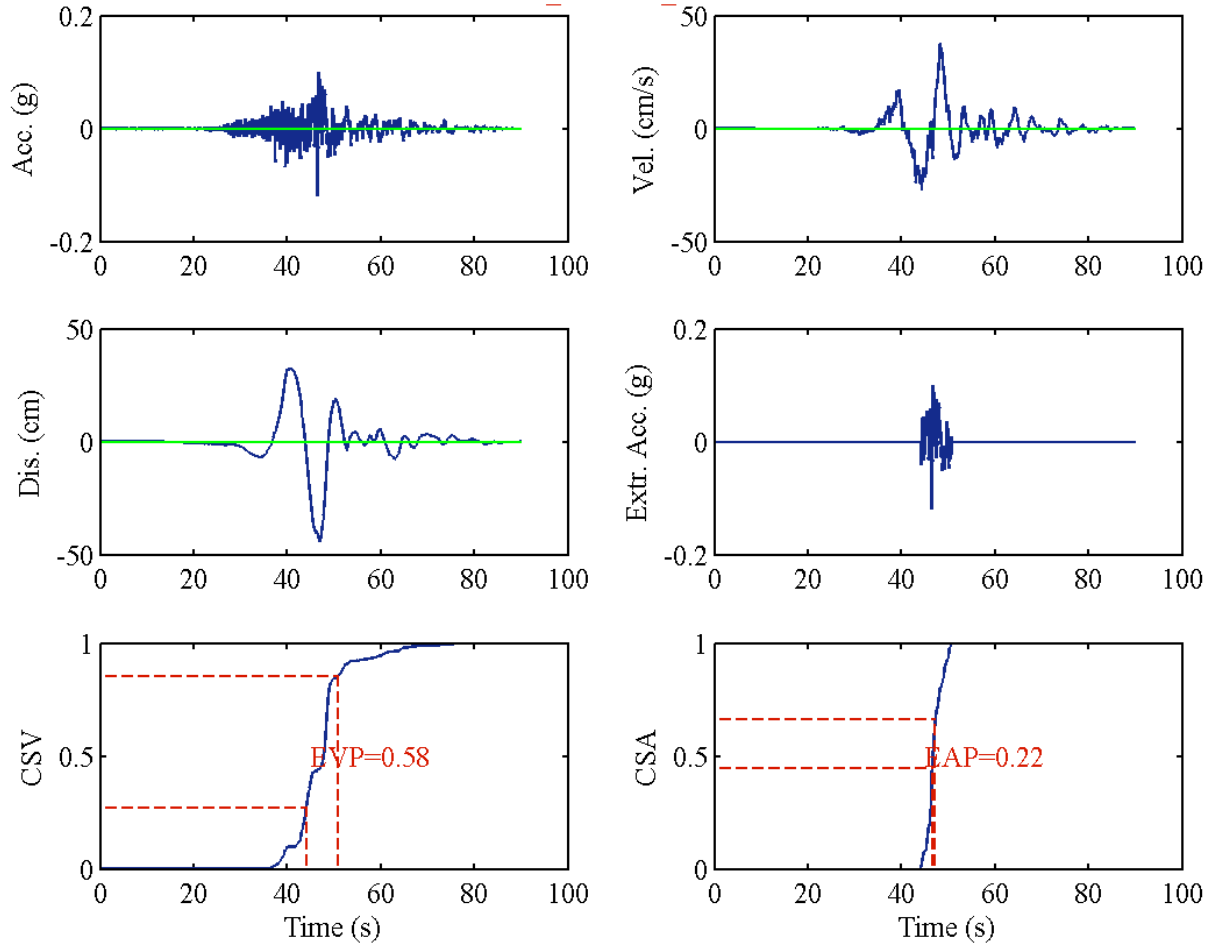
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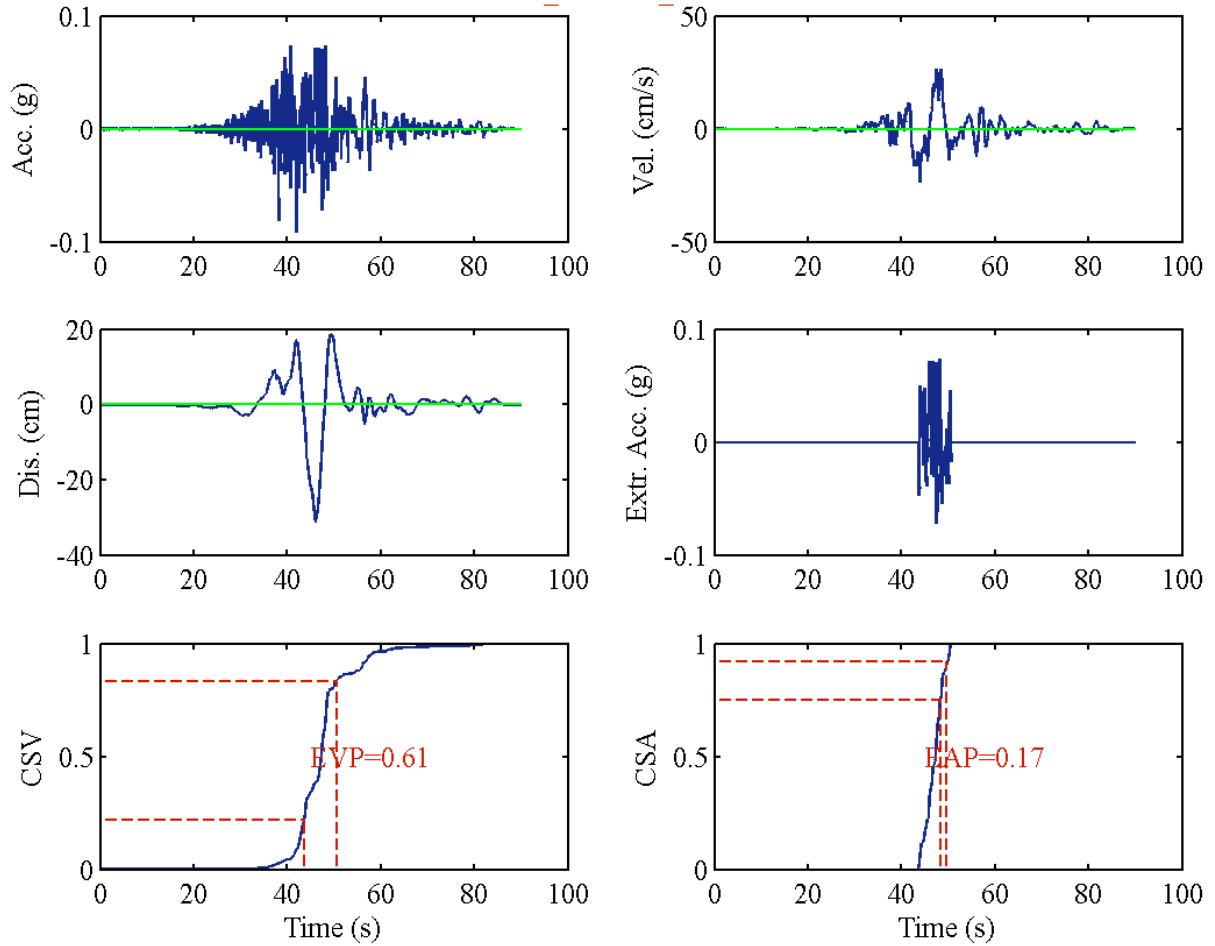
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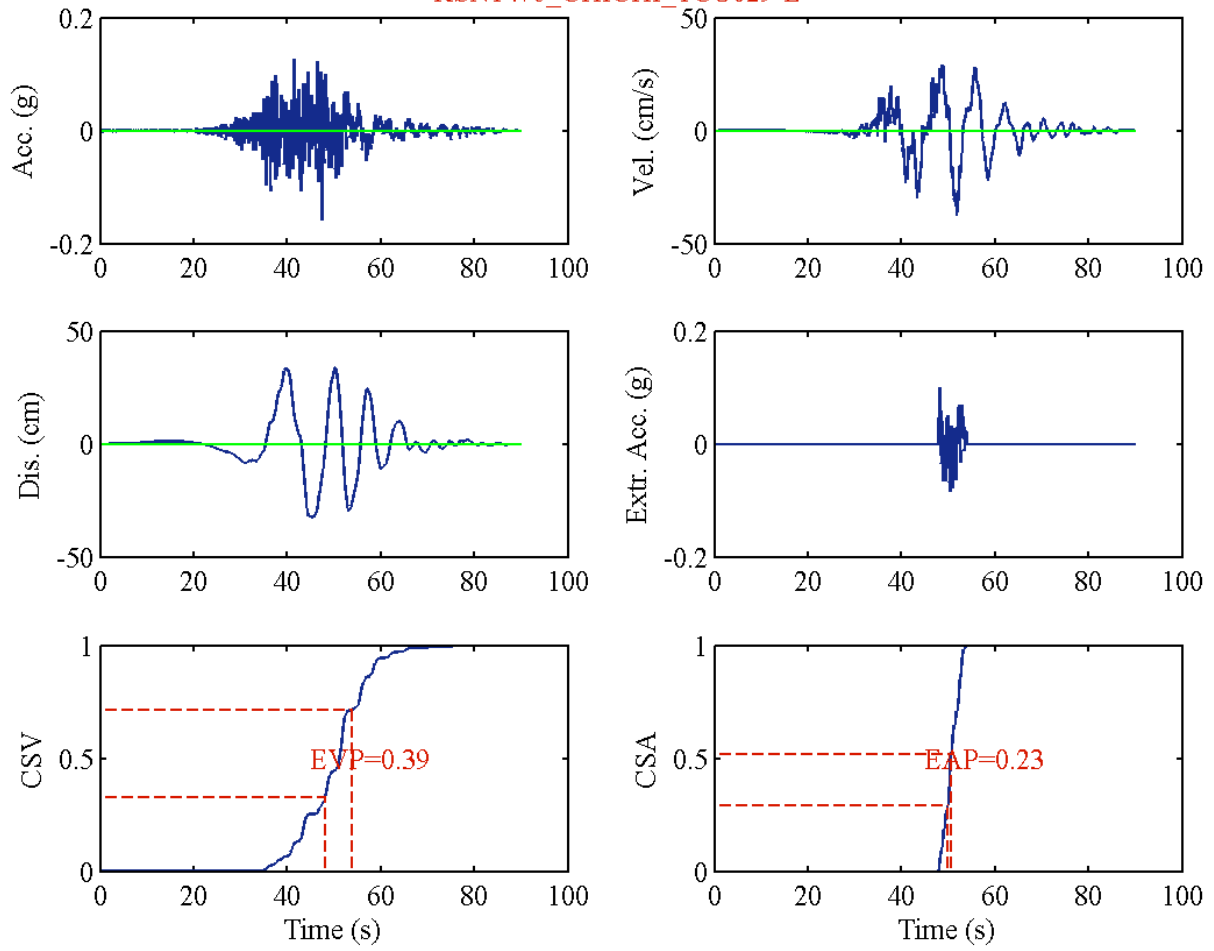
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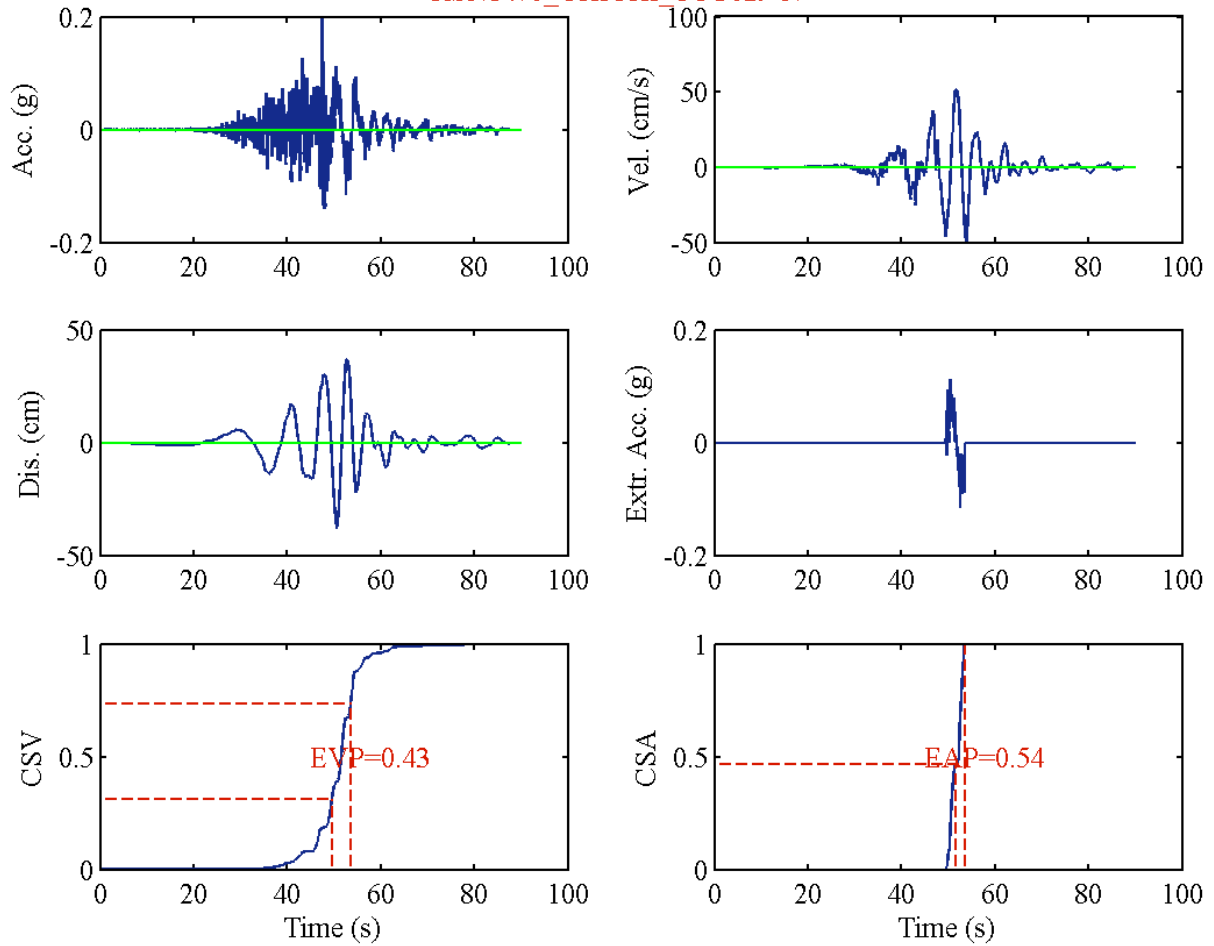
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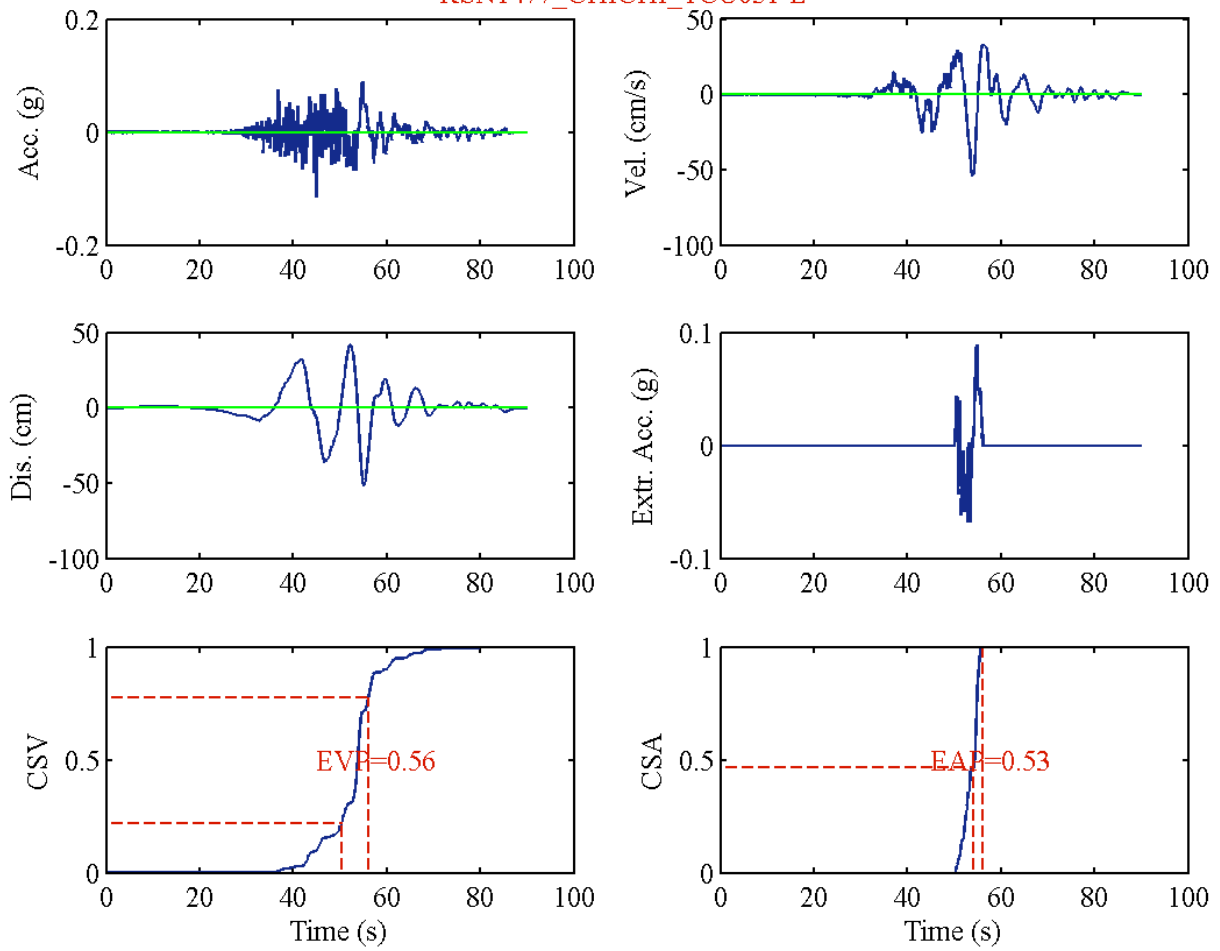
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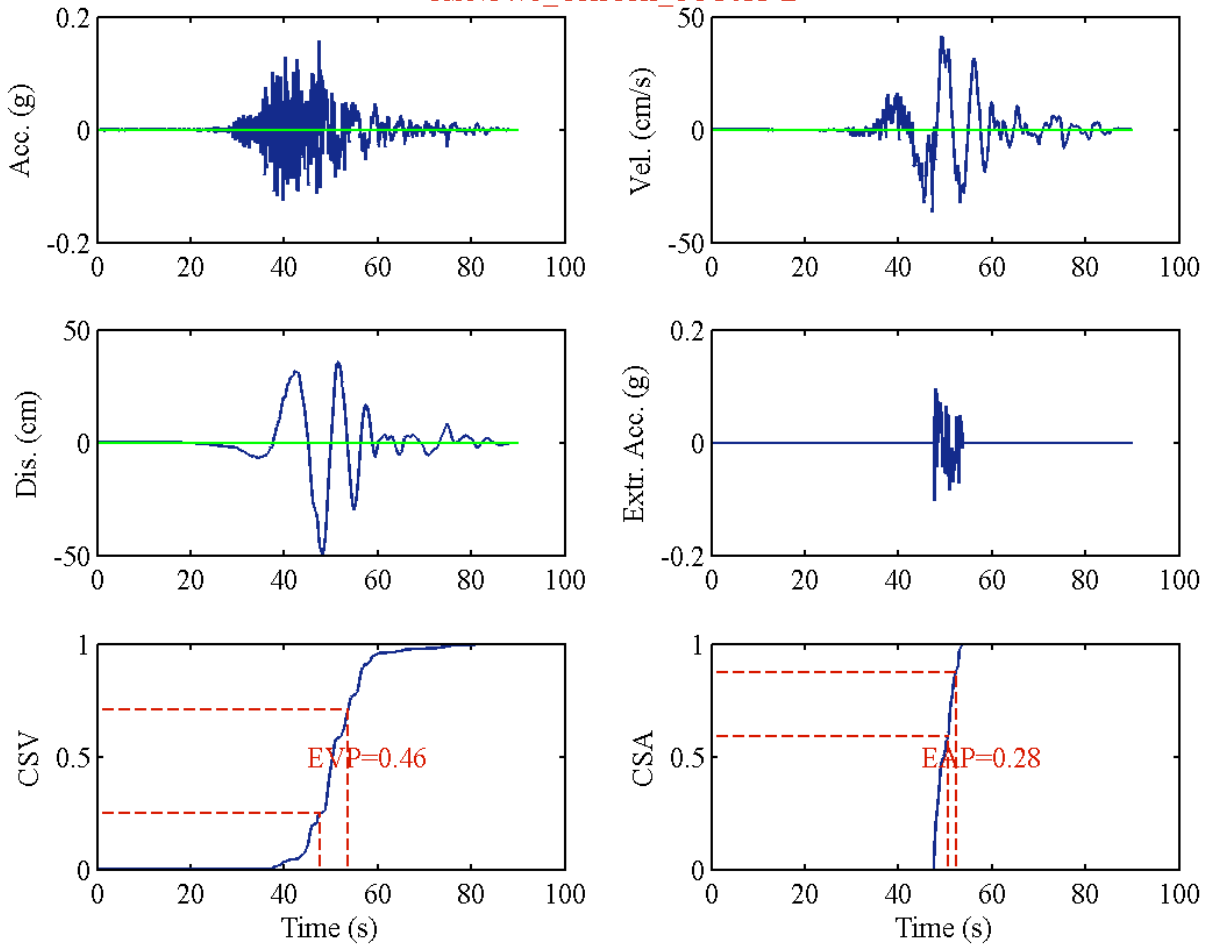
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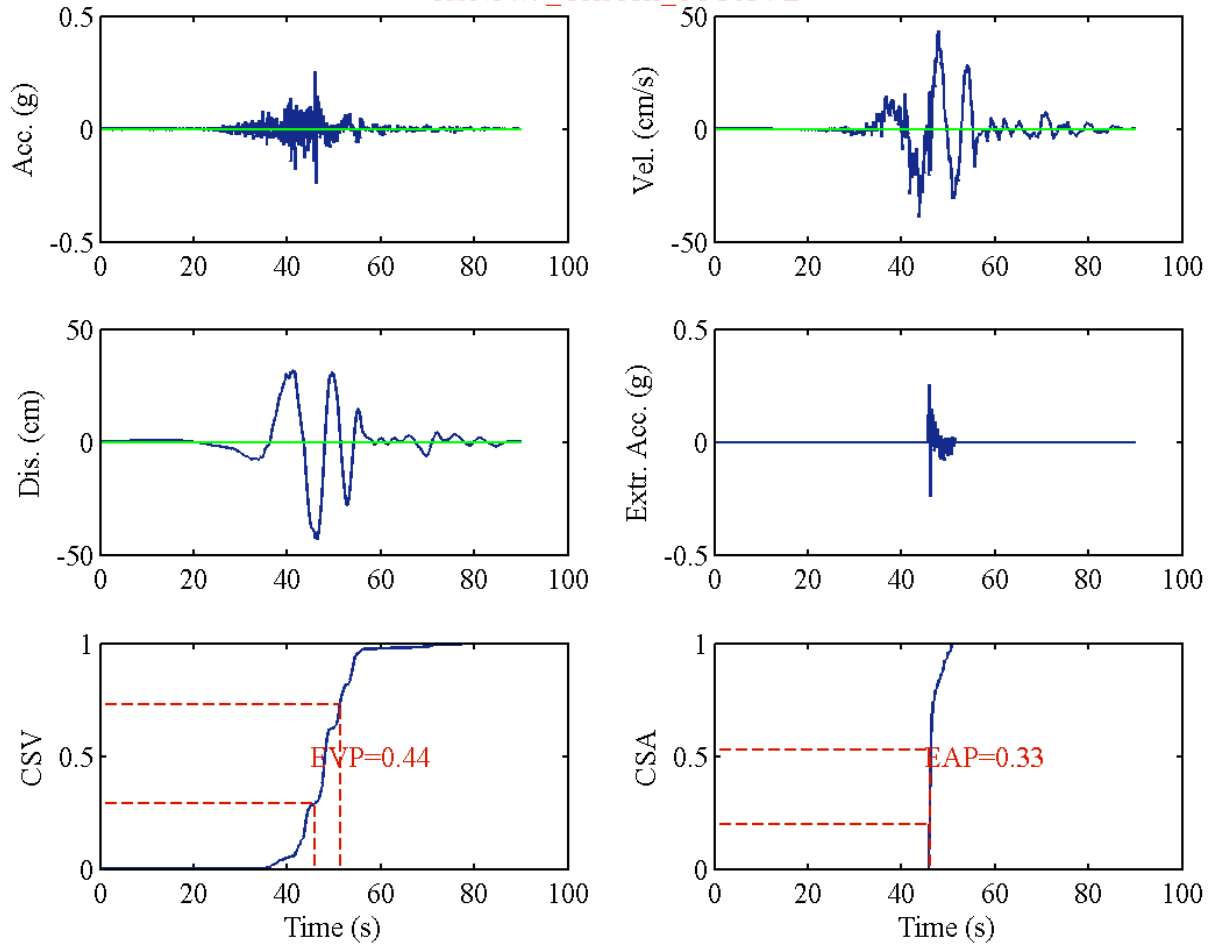
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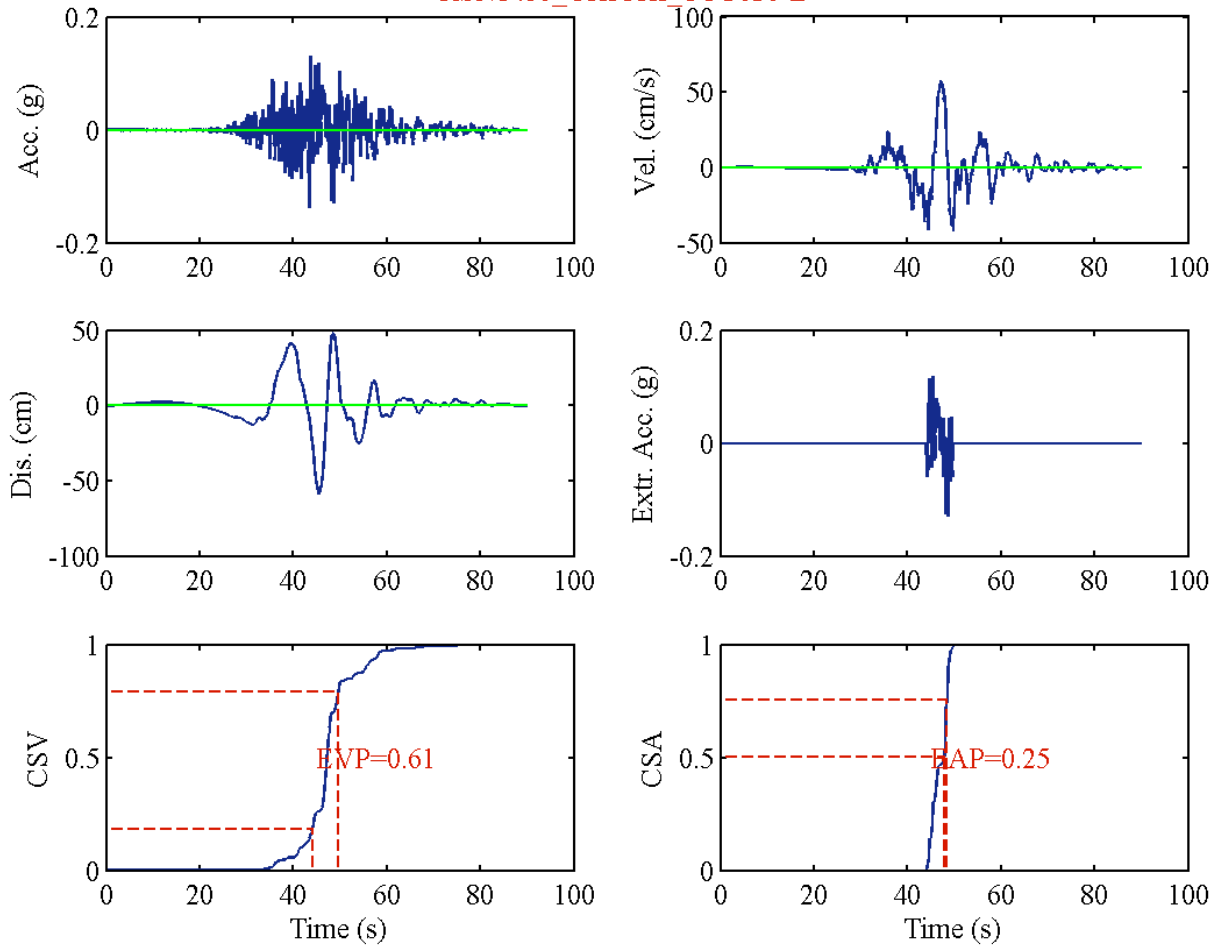
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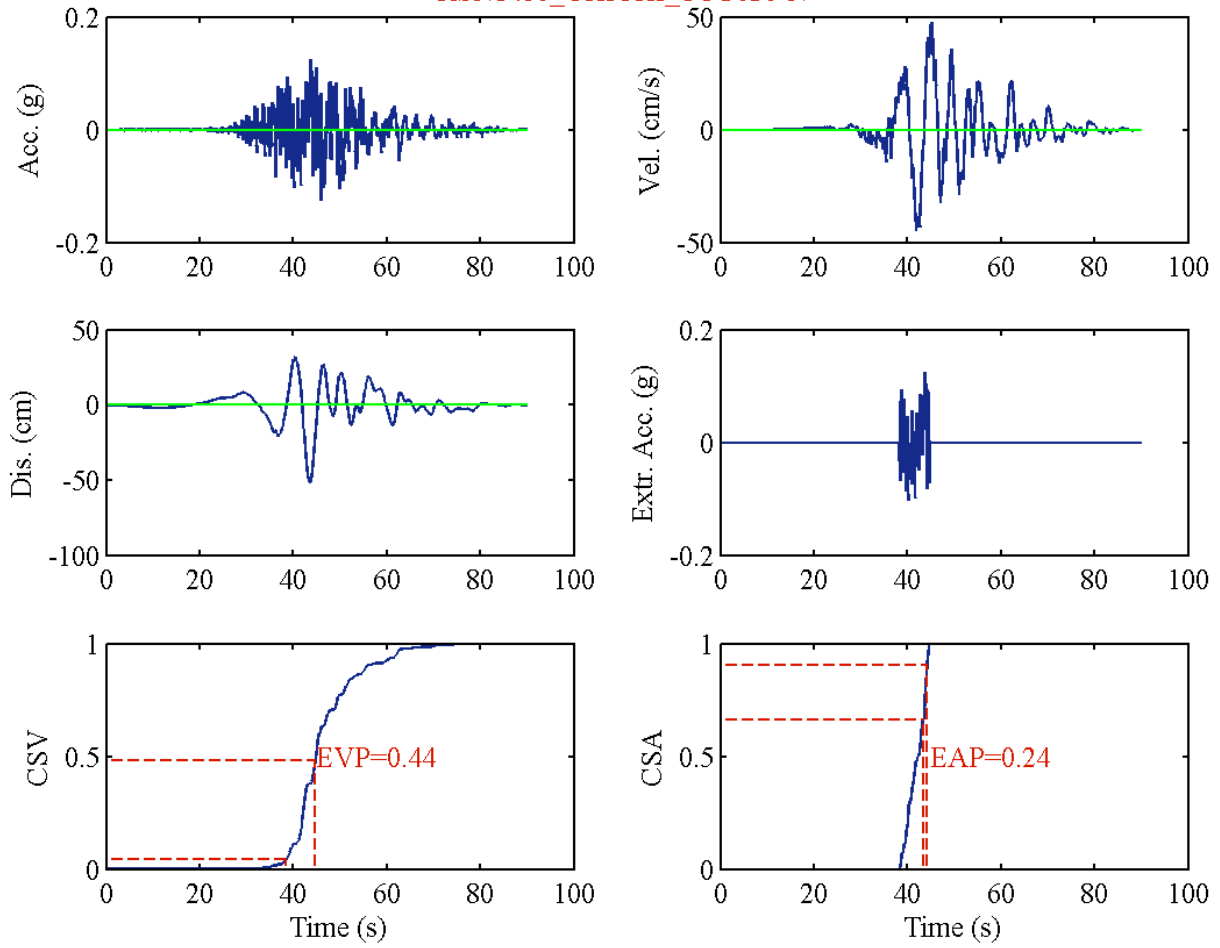
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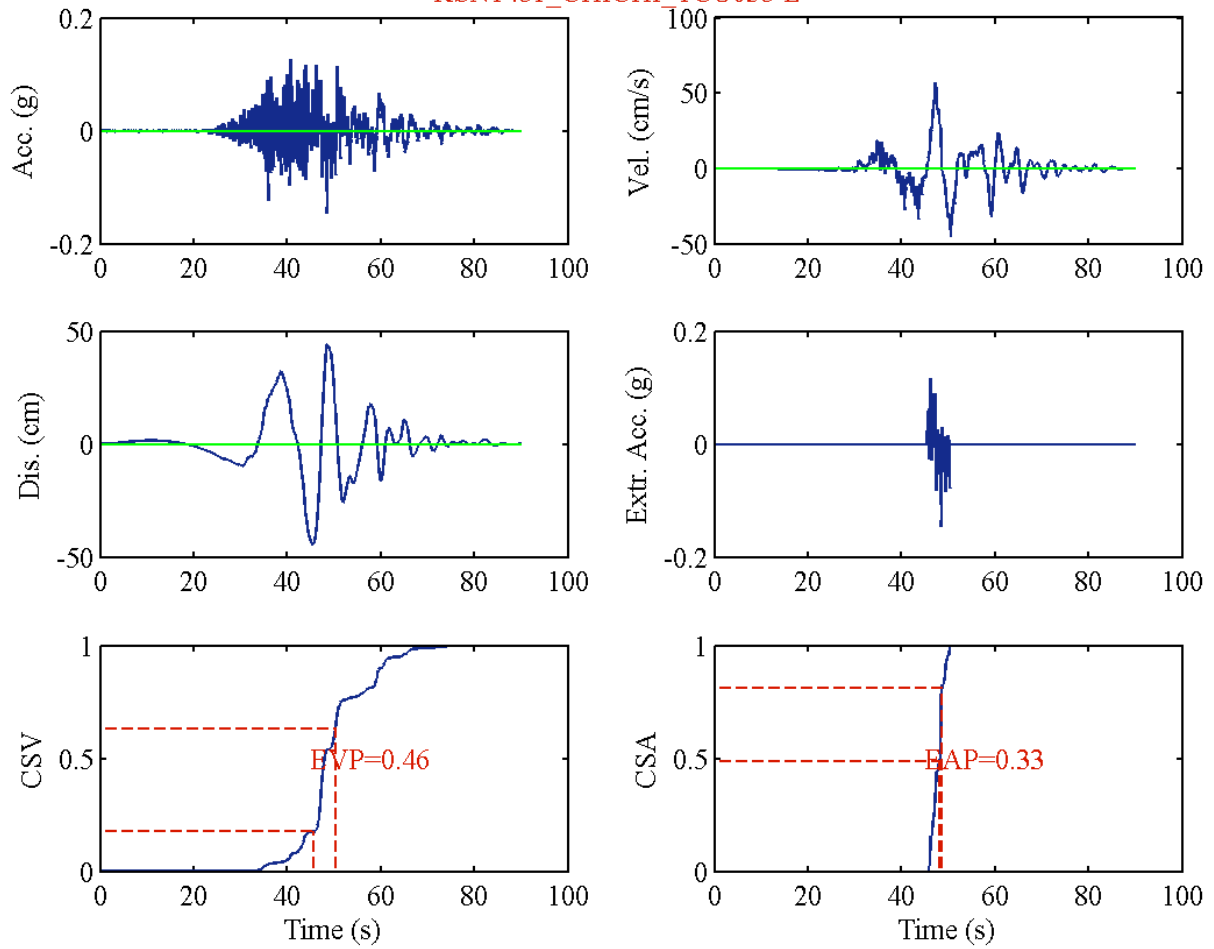
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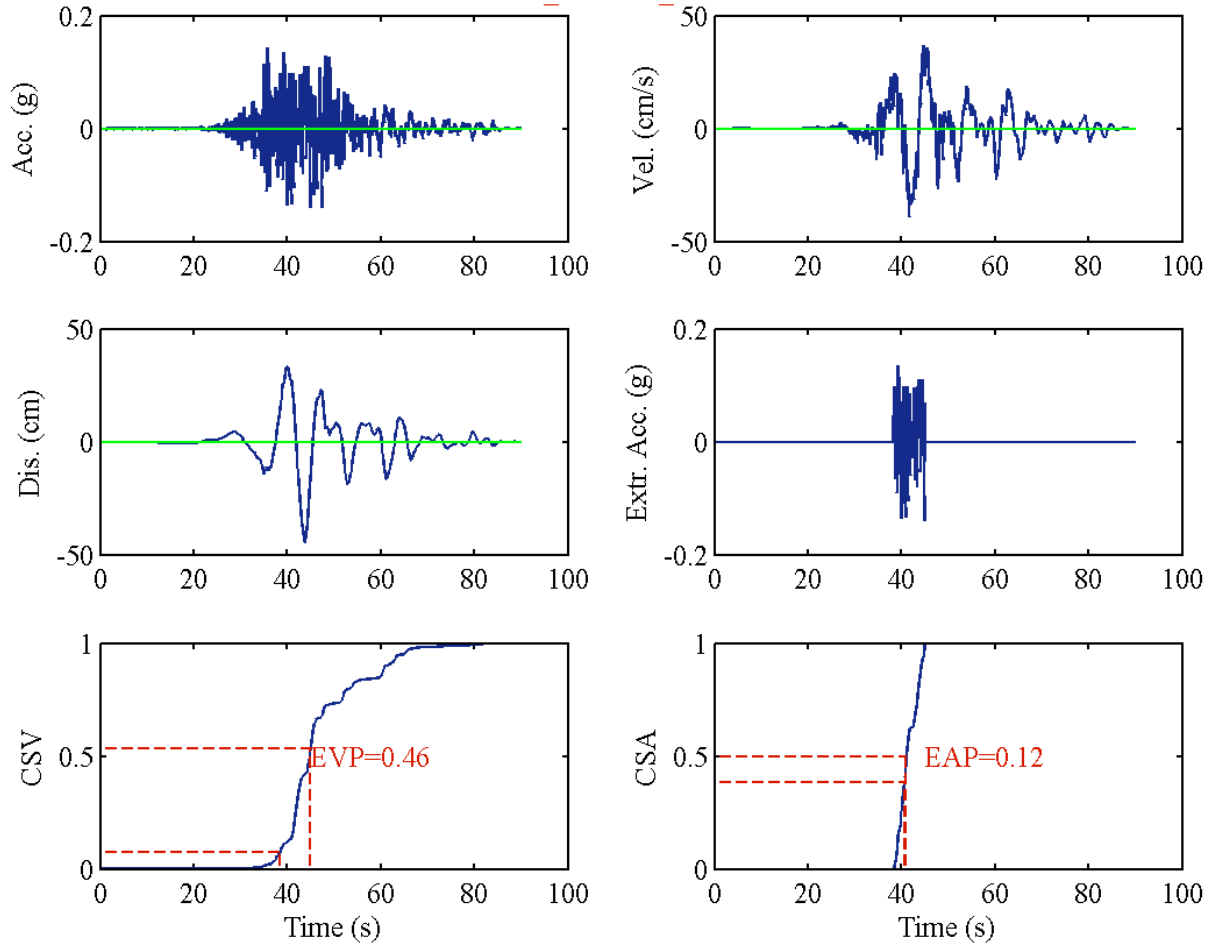
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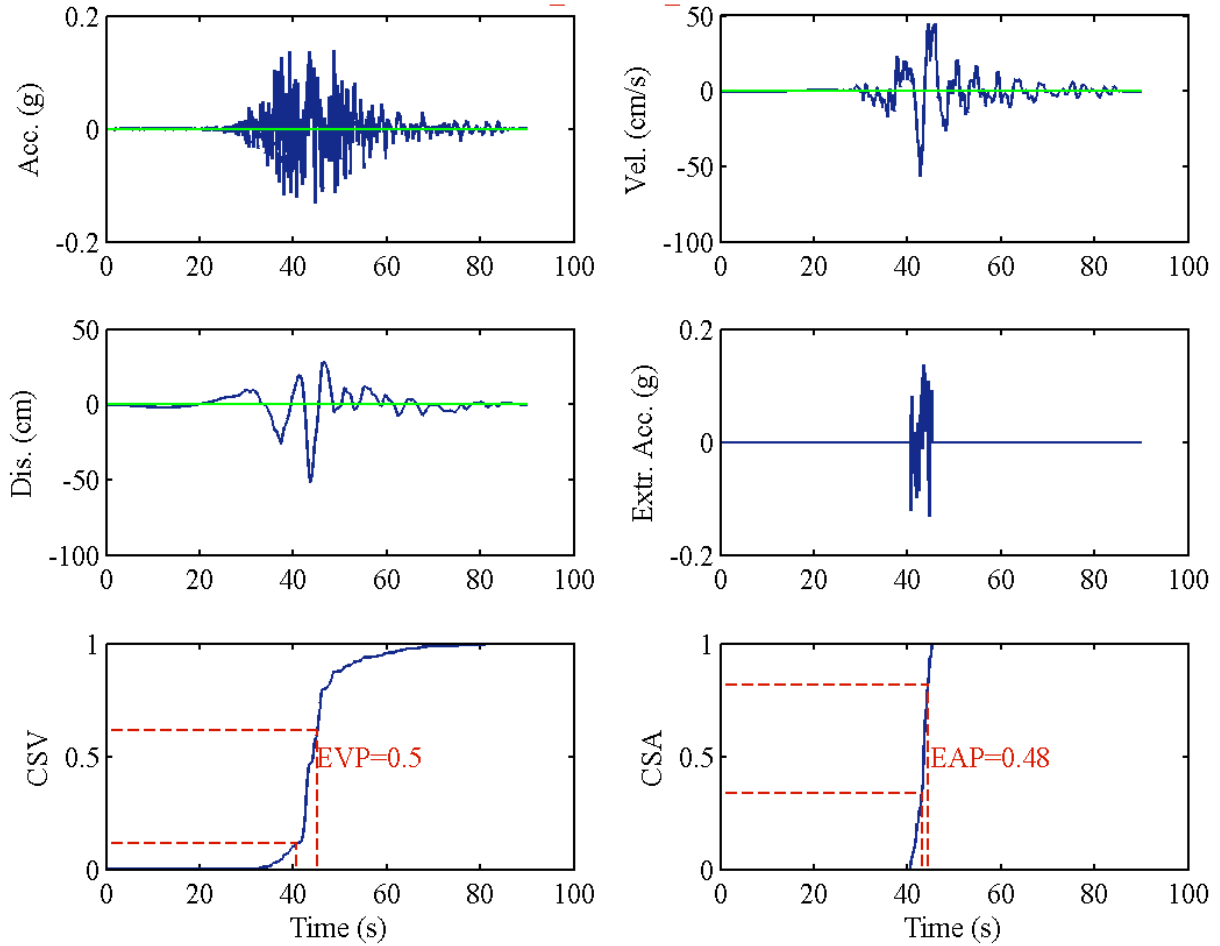
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RSN1481\_CHICHI\_TCU038-N

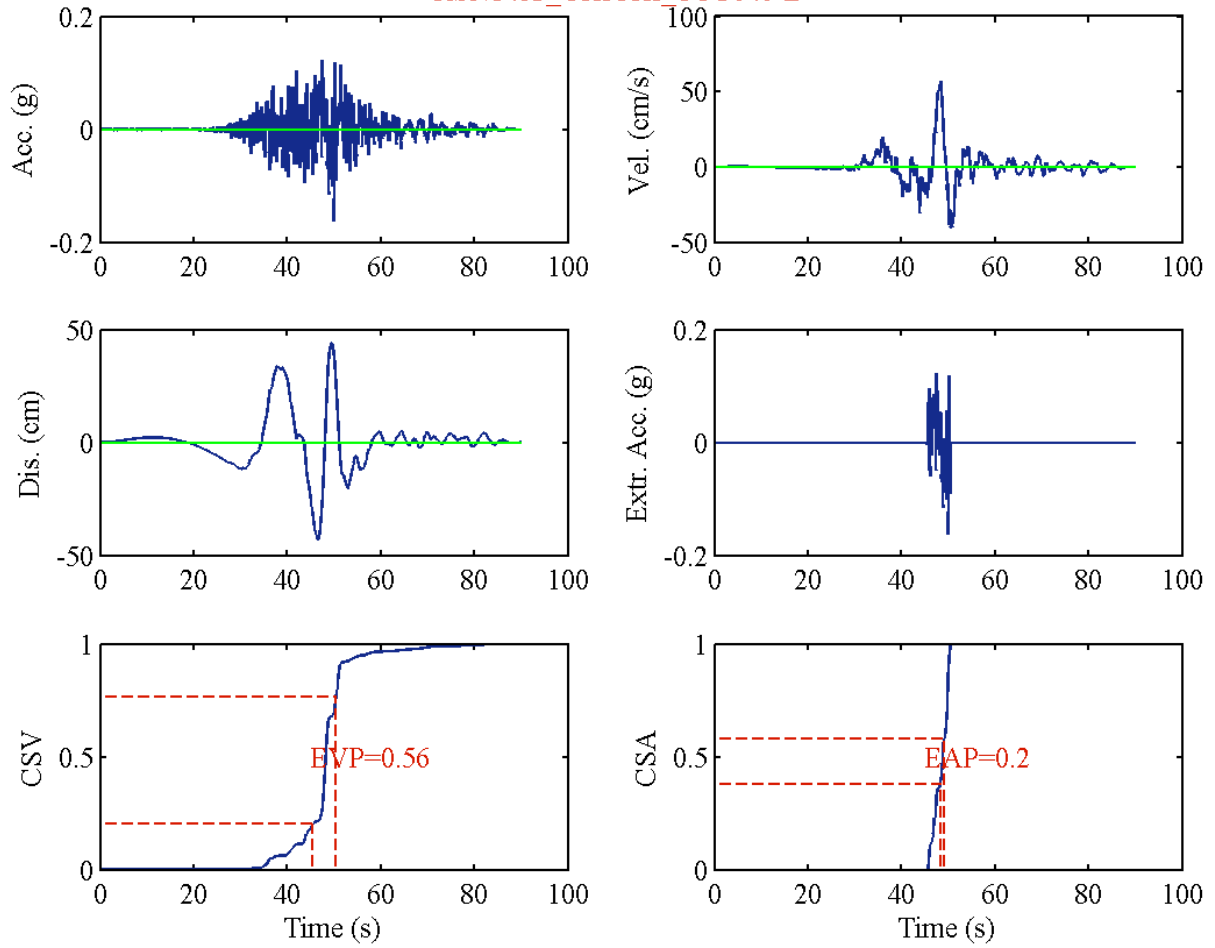


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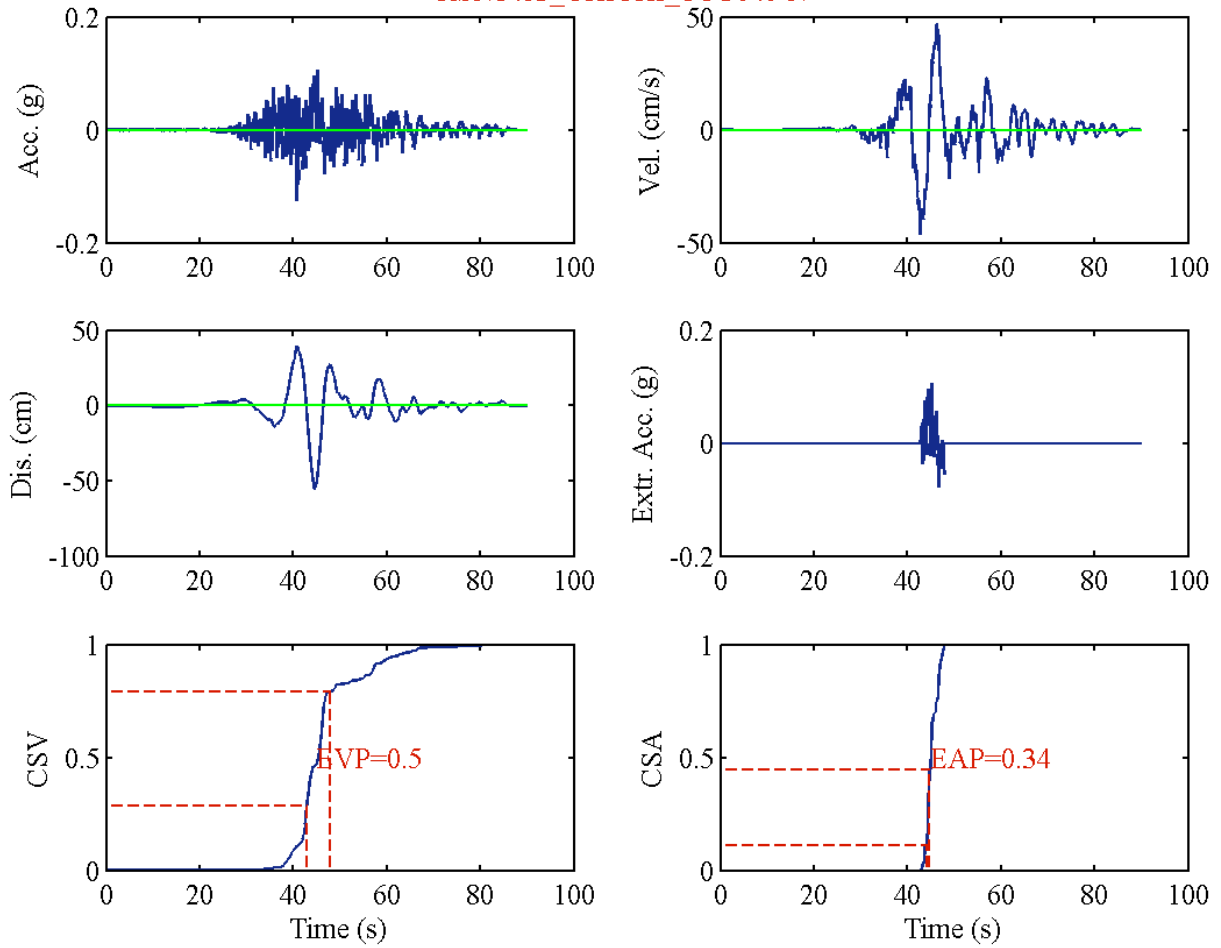




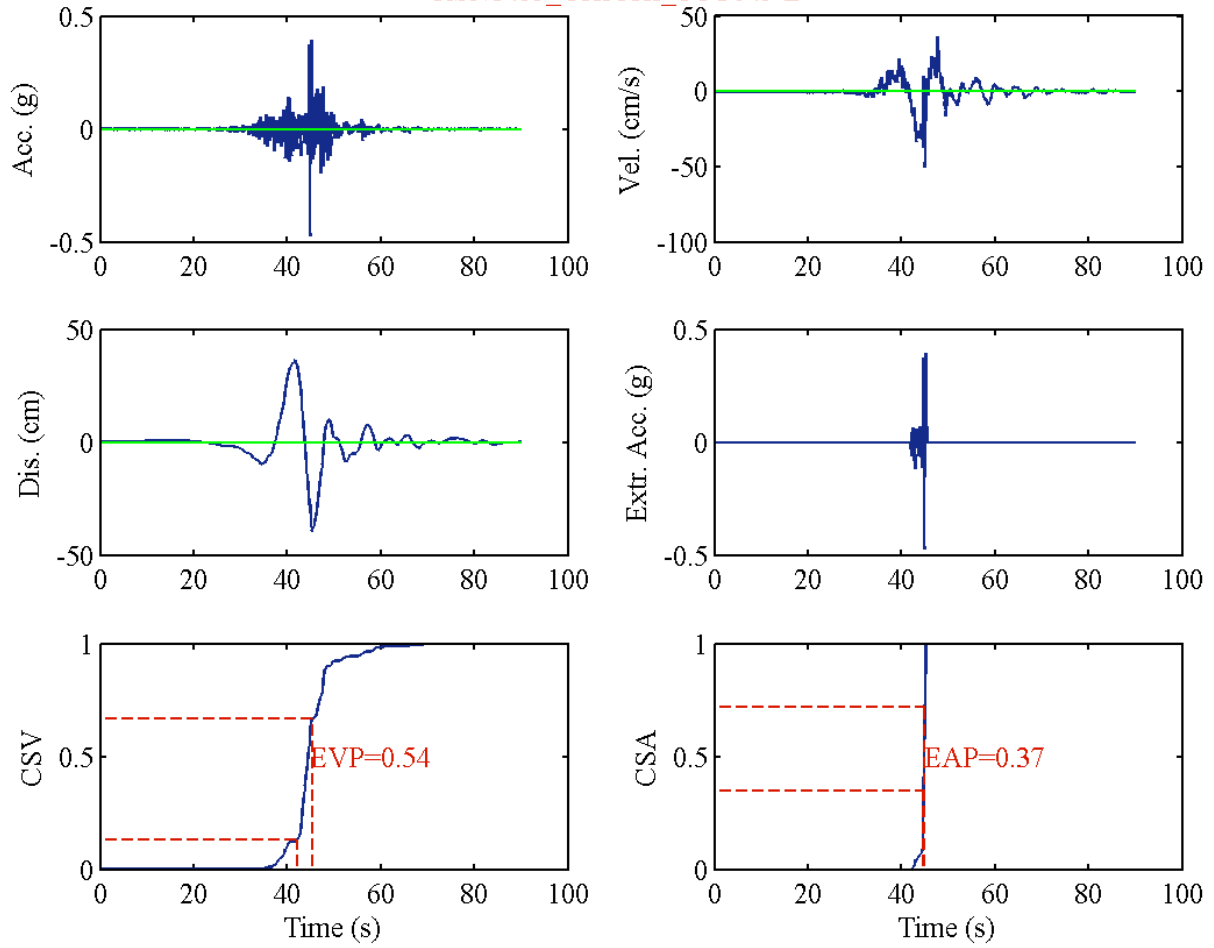
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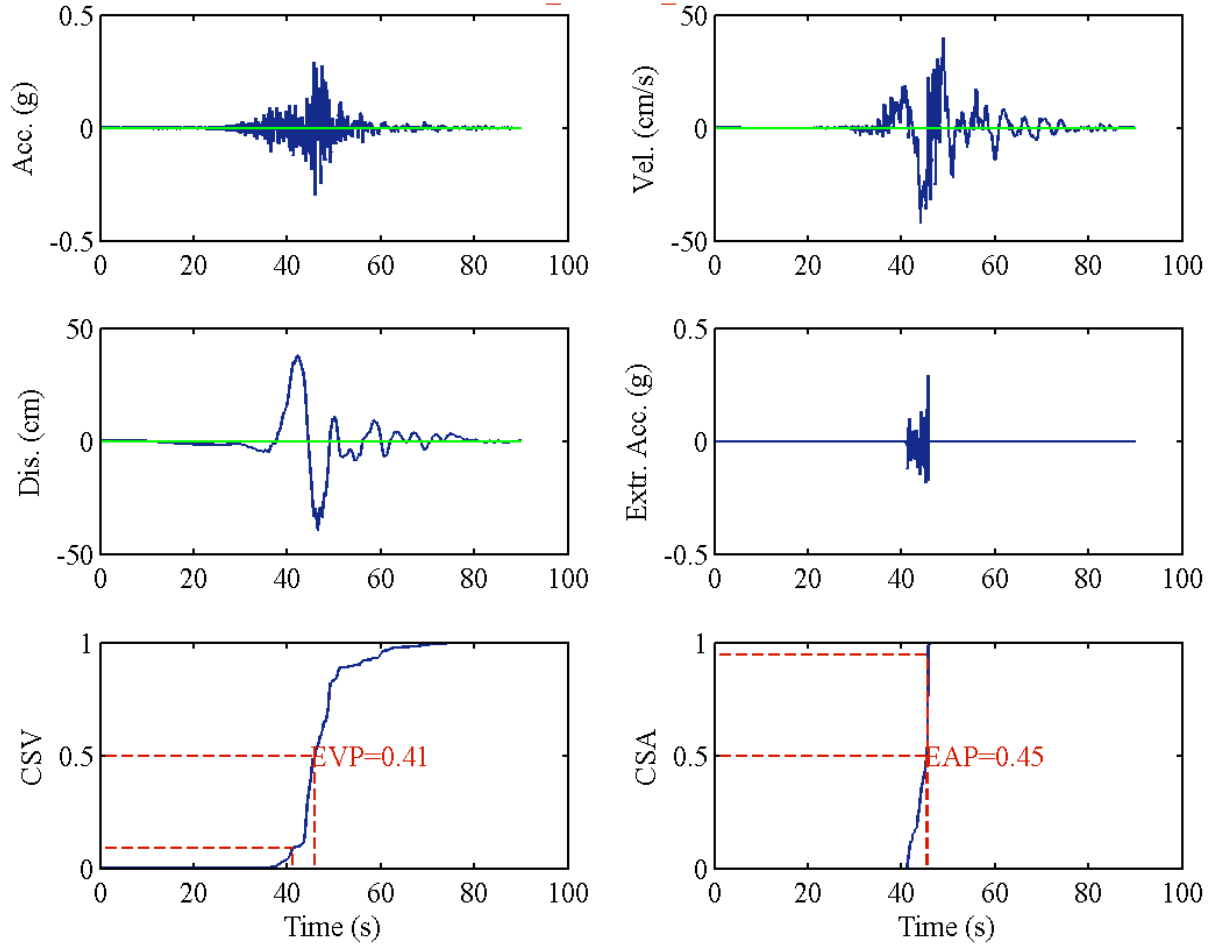
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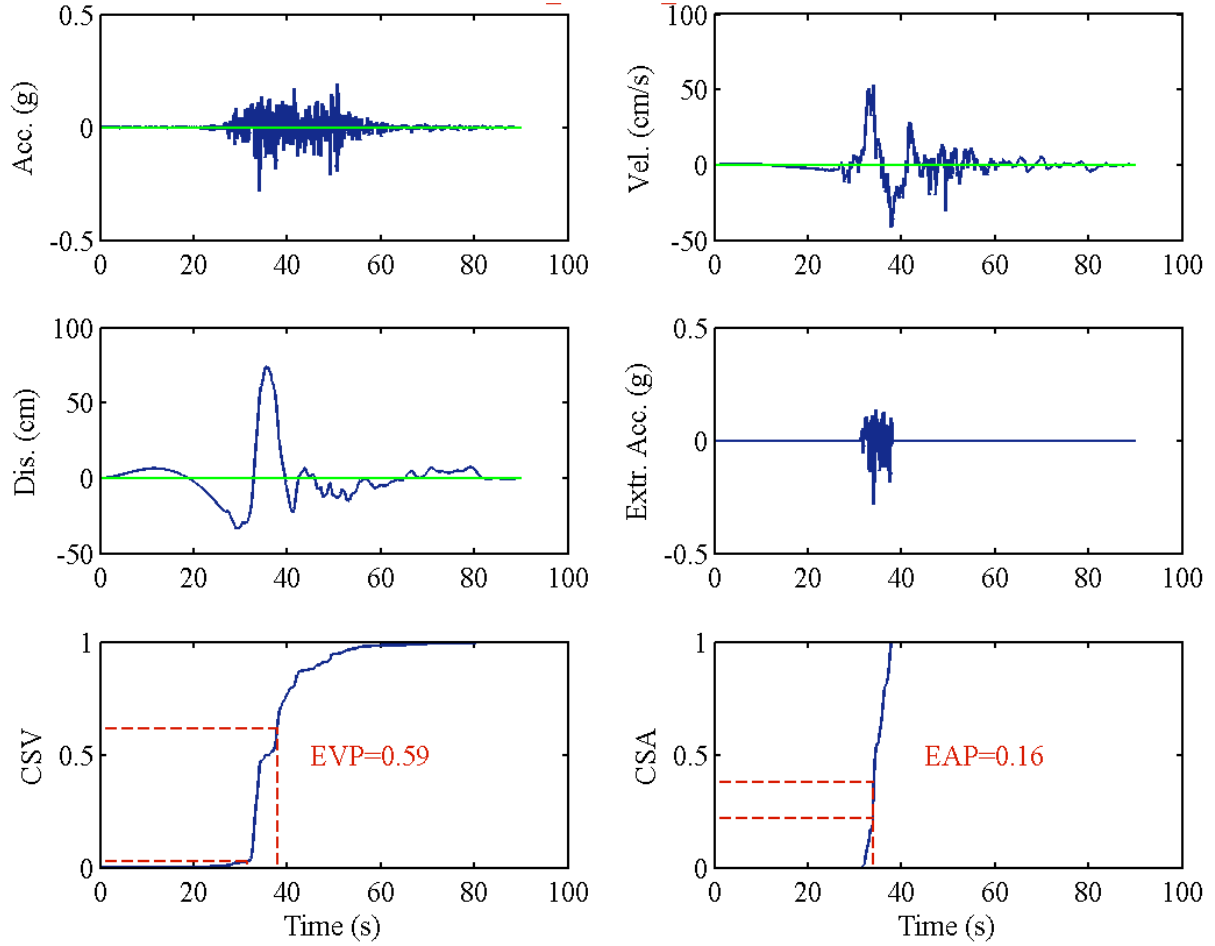
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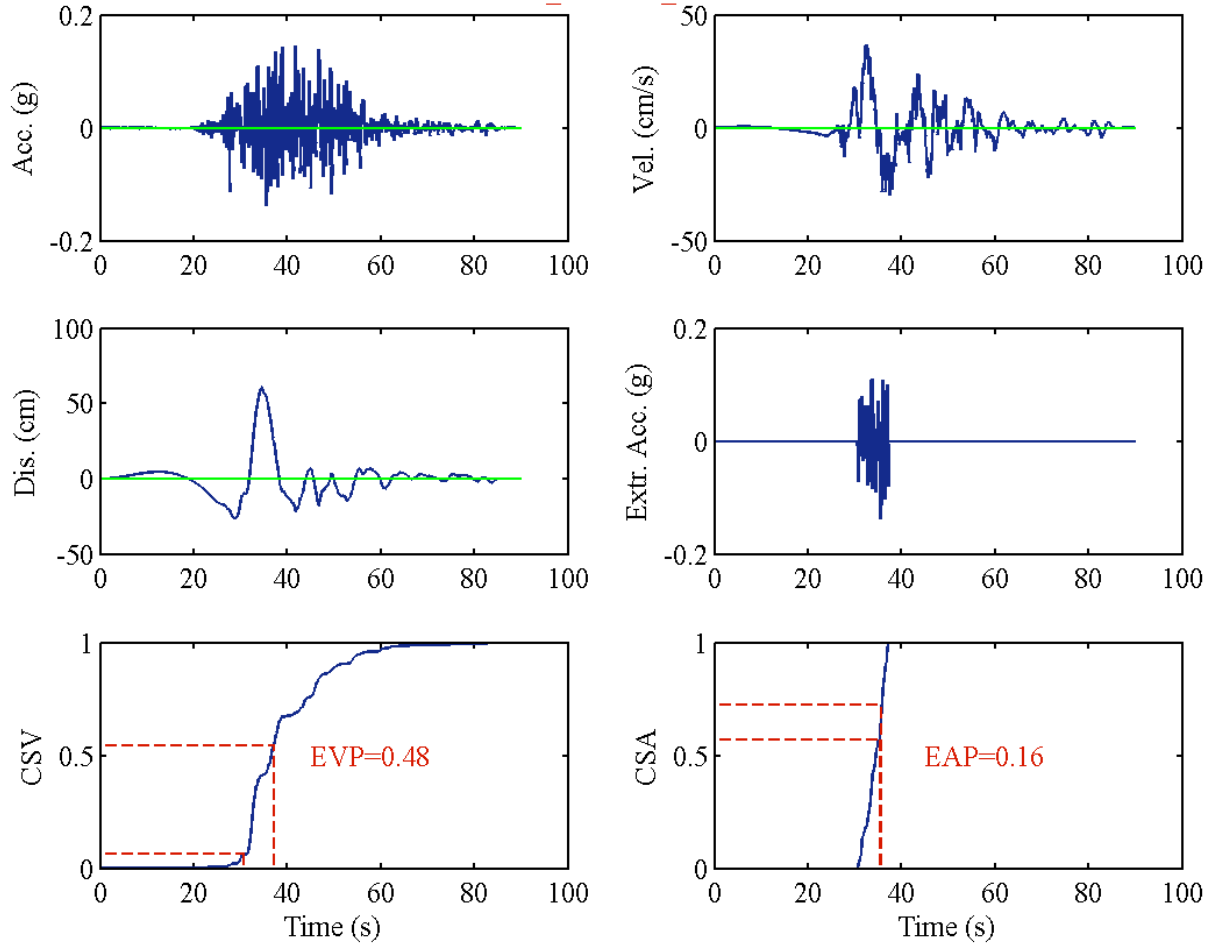
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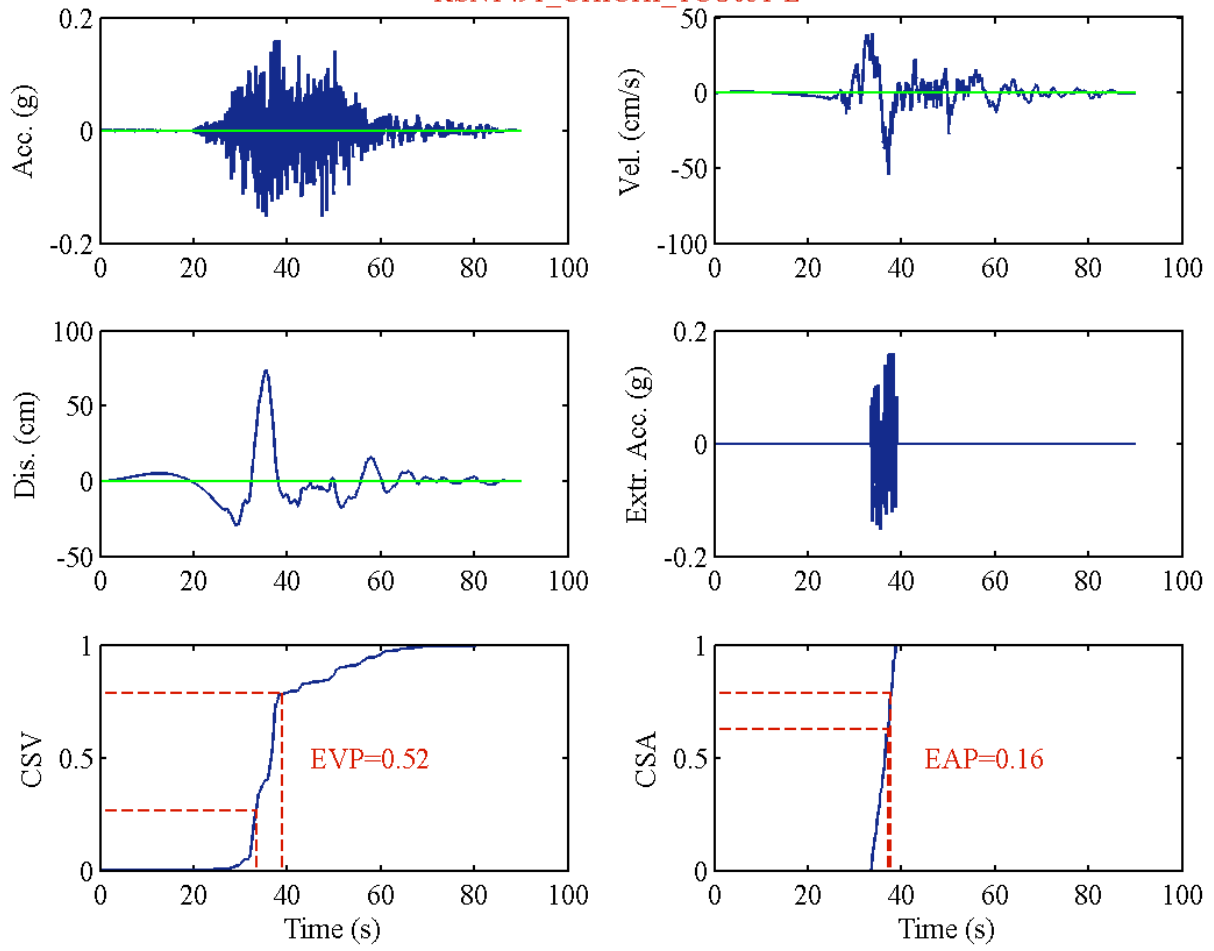
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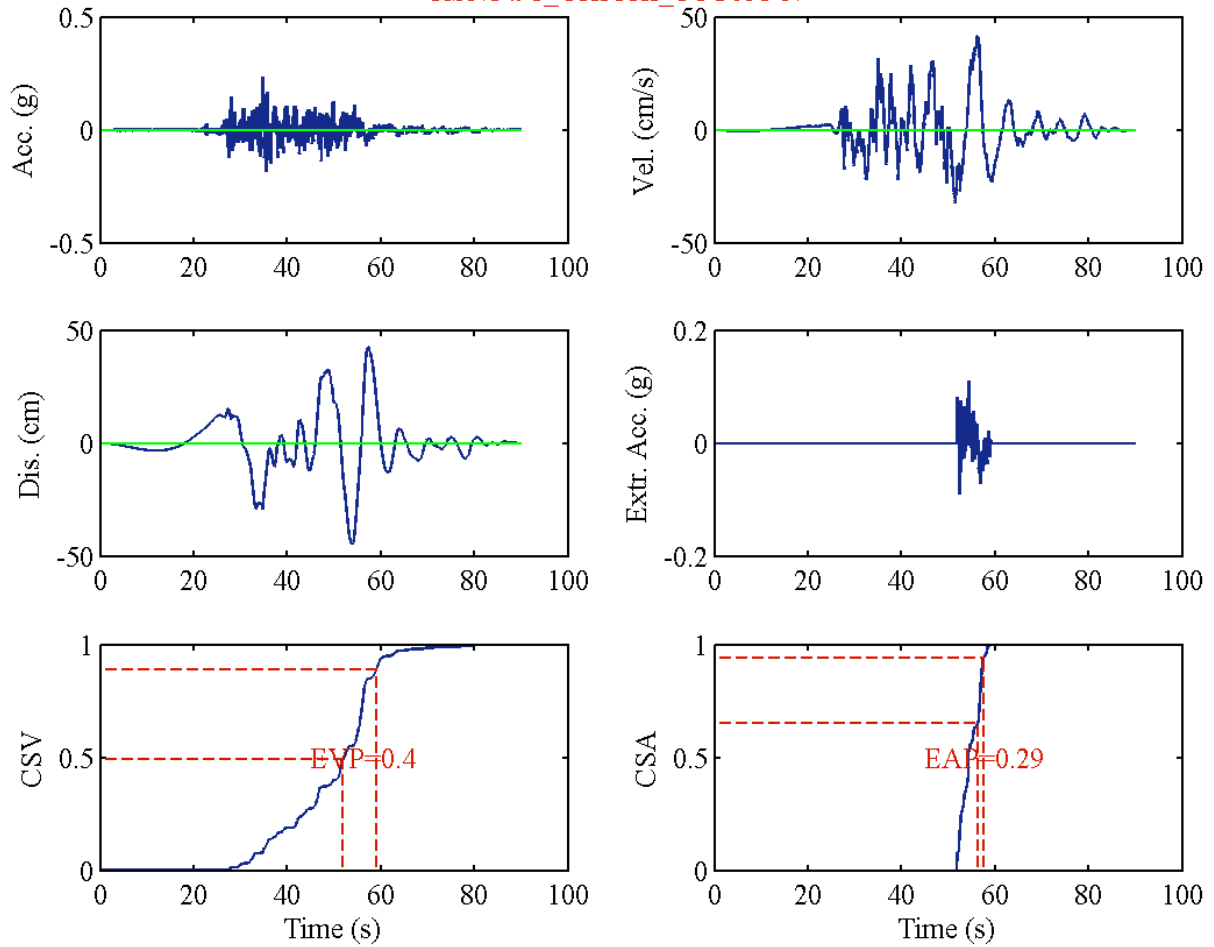
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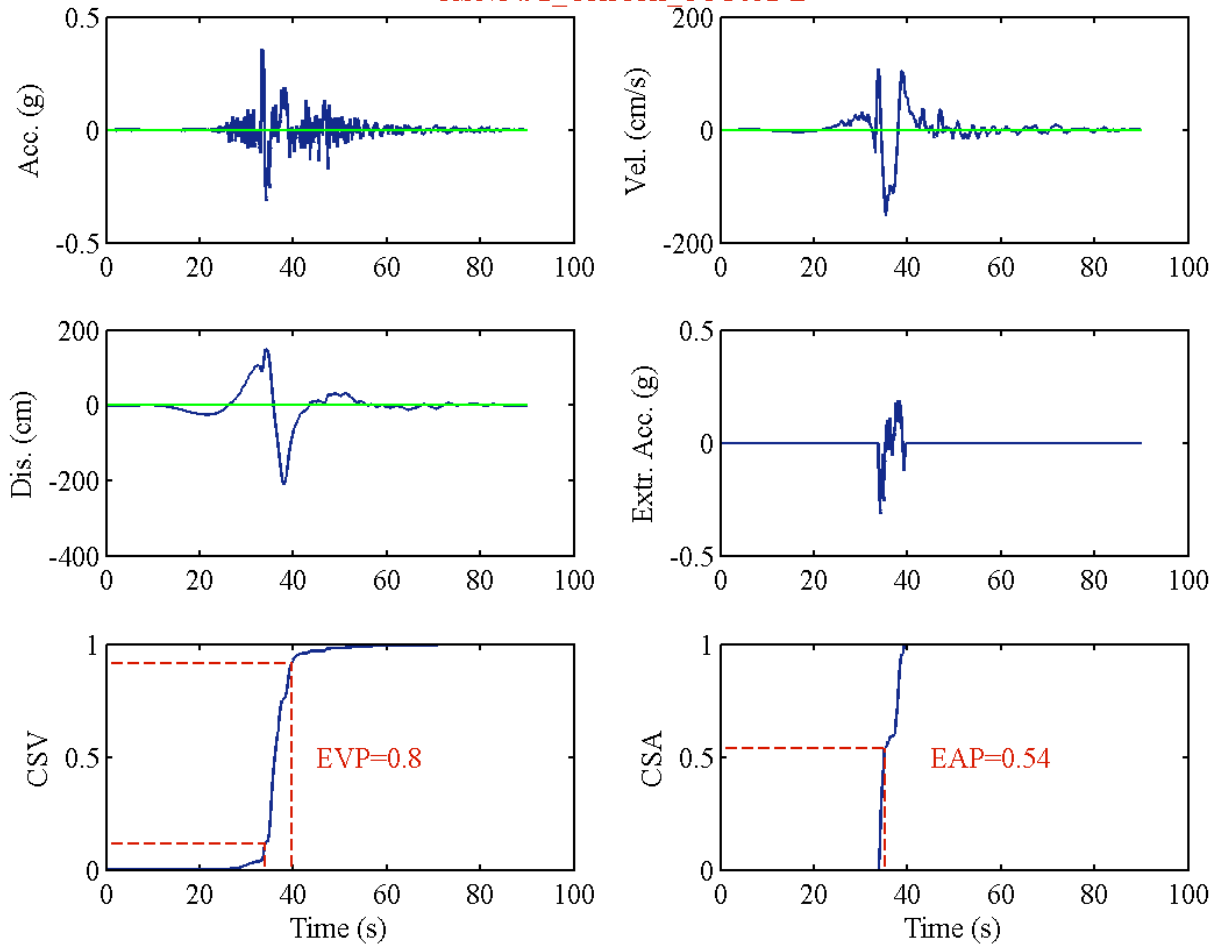
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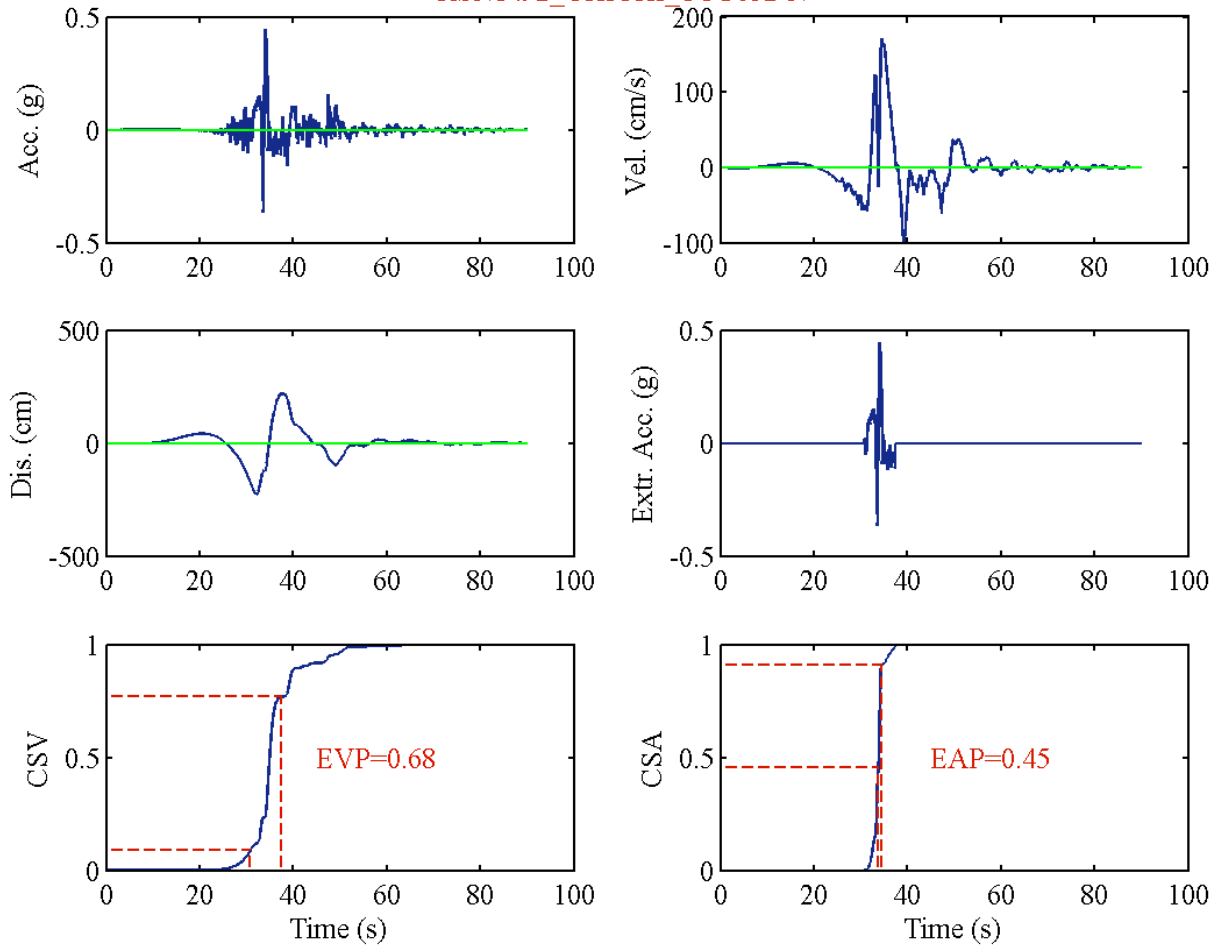
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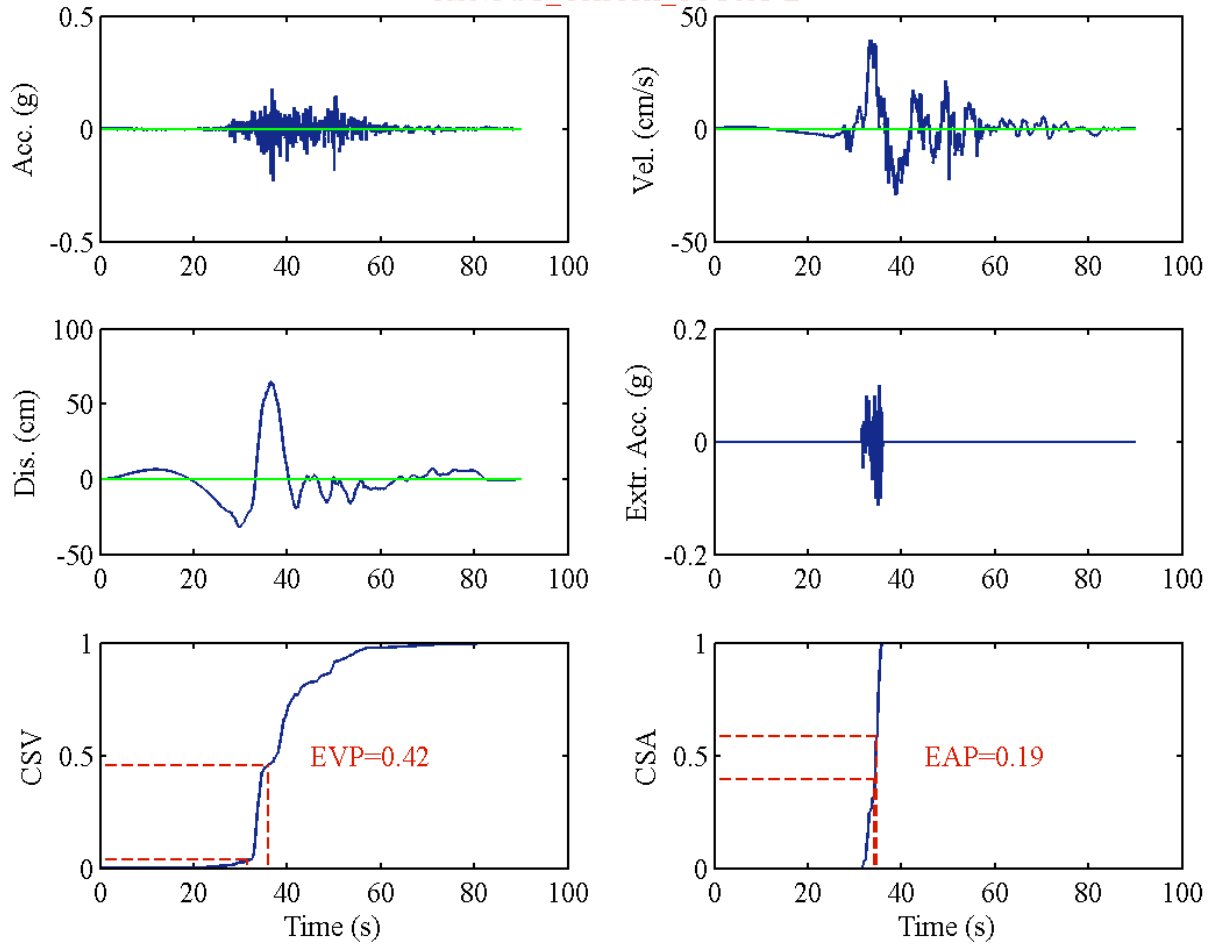
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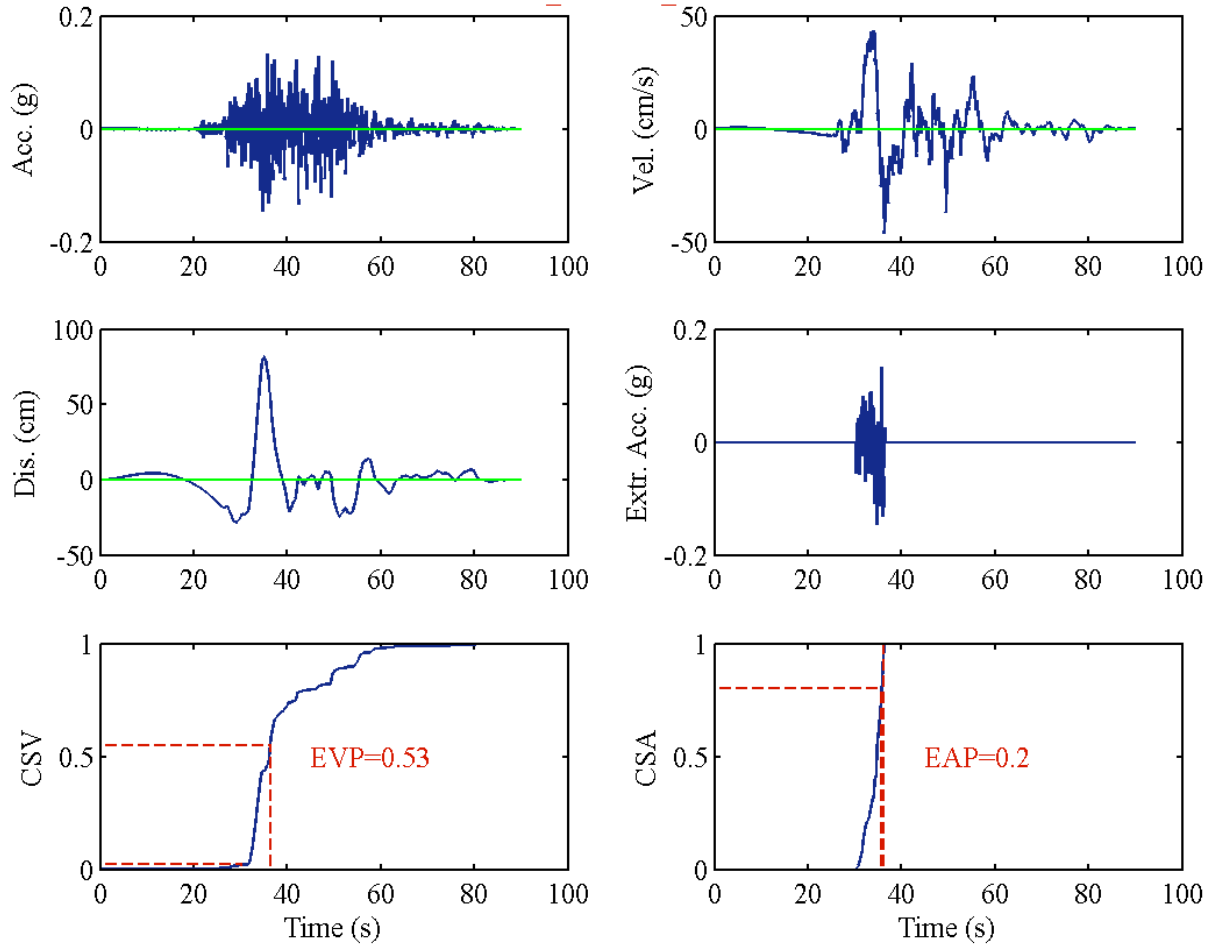
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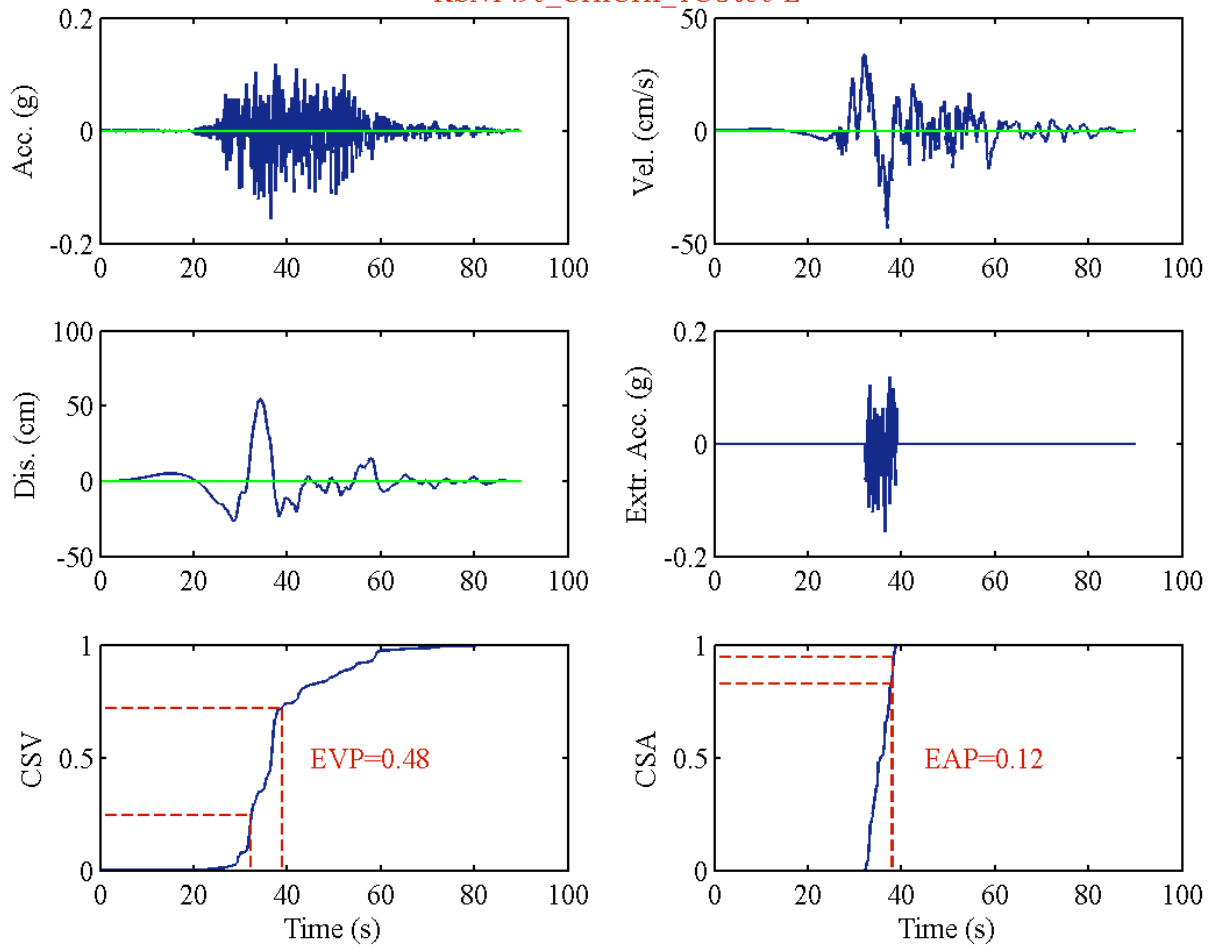
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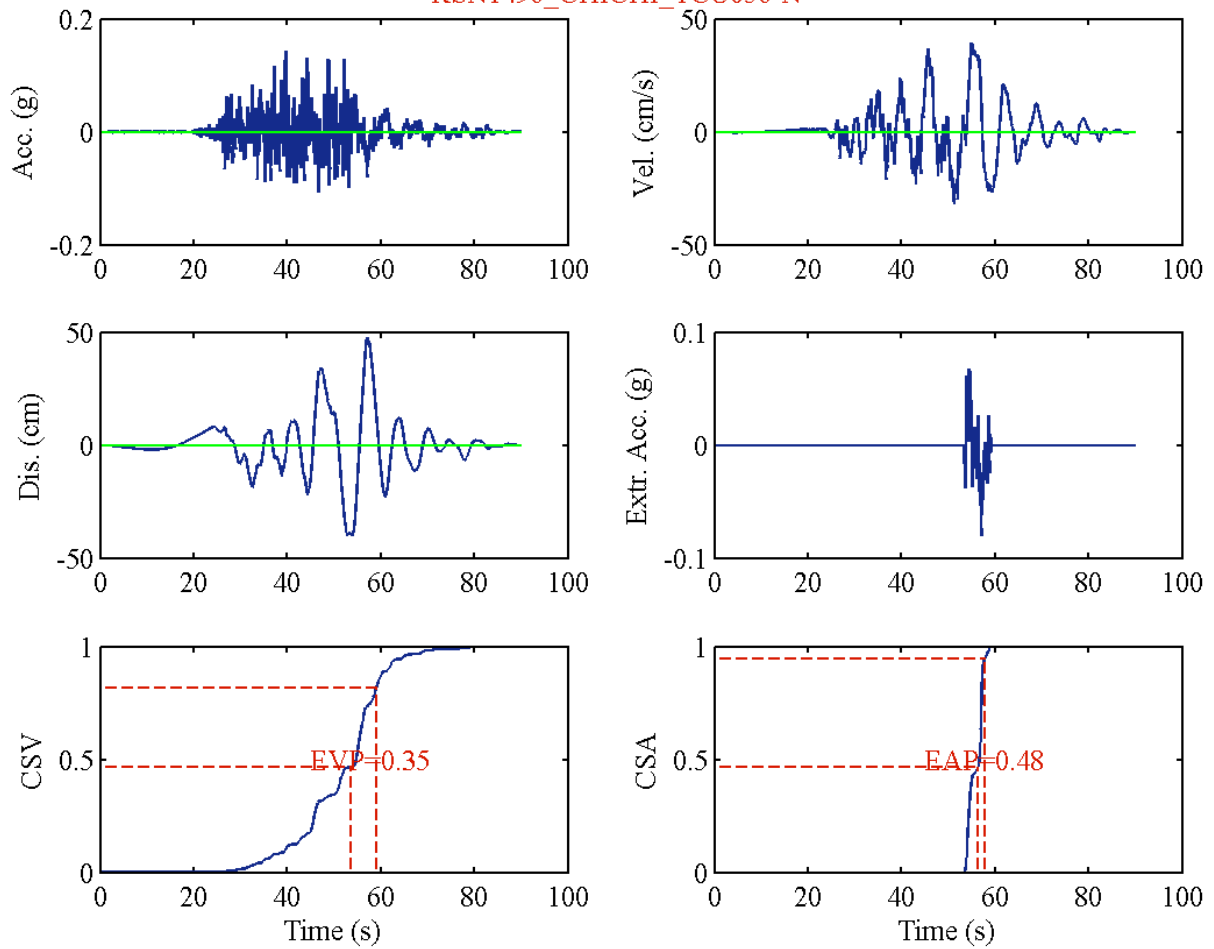
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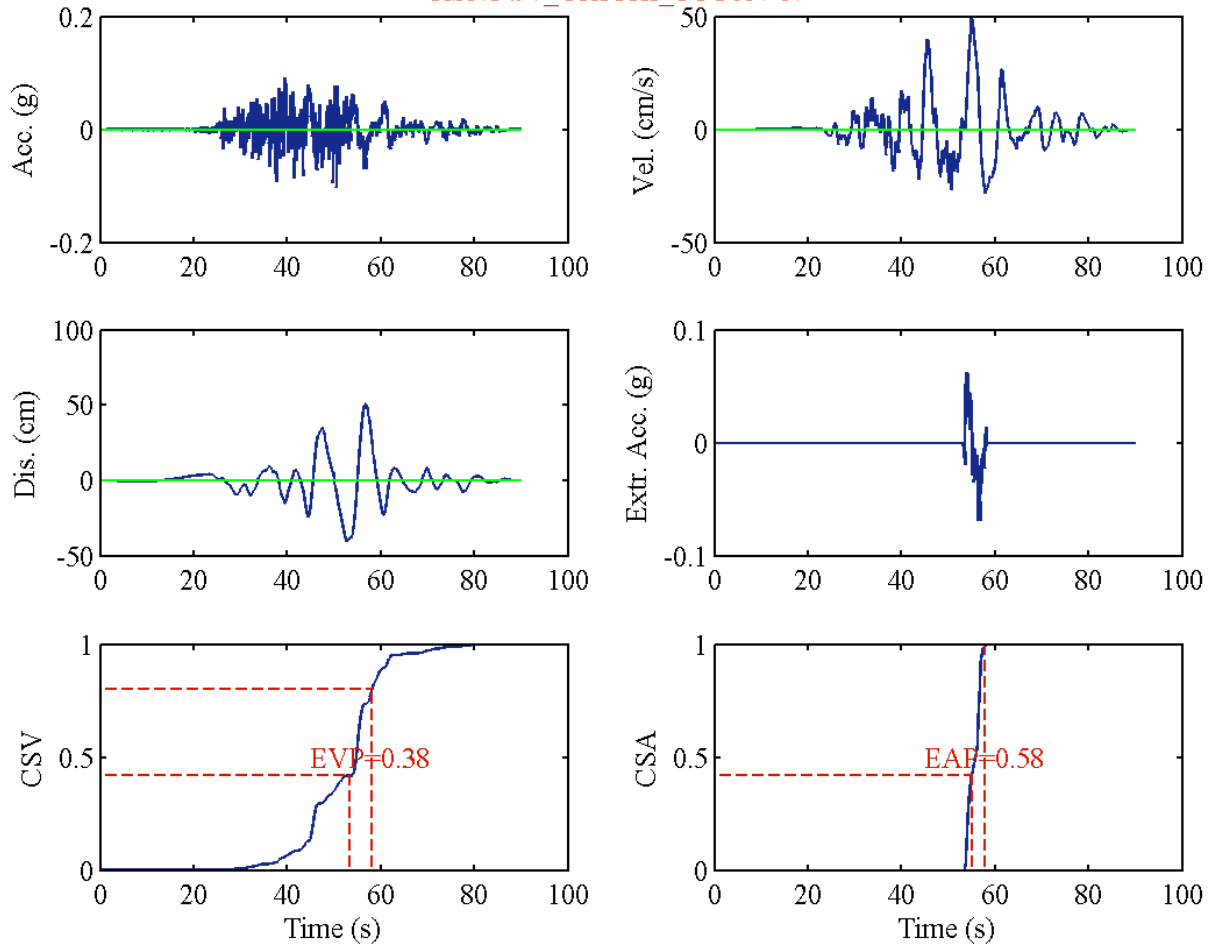
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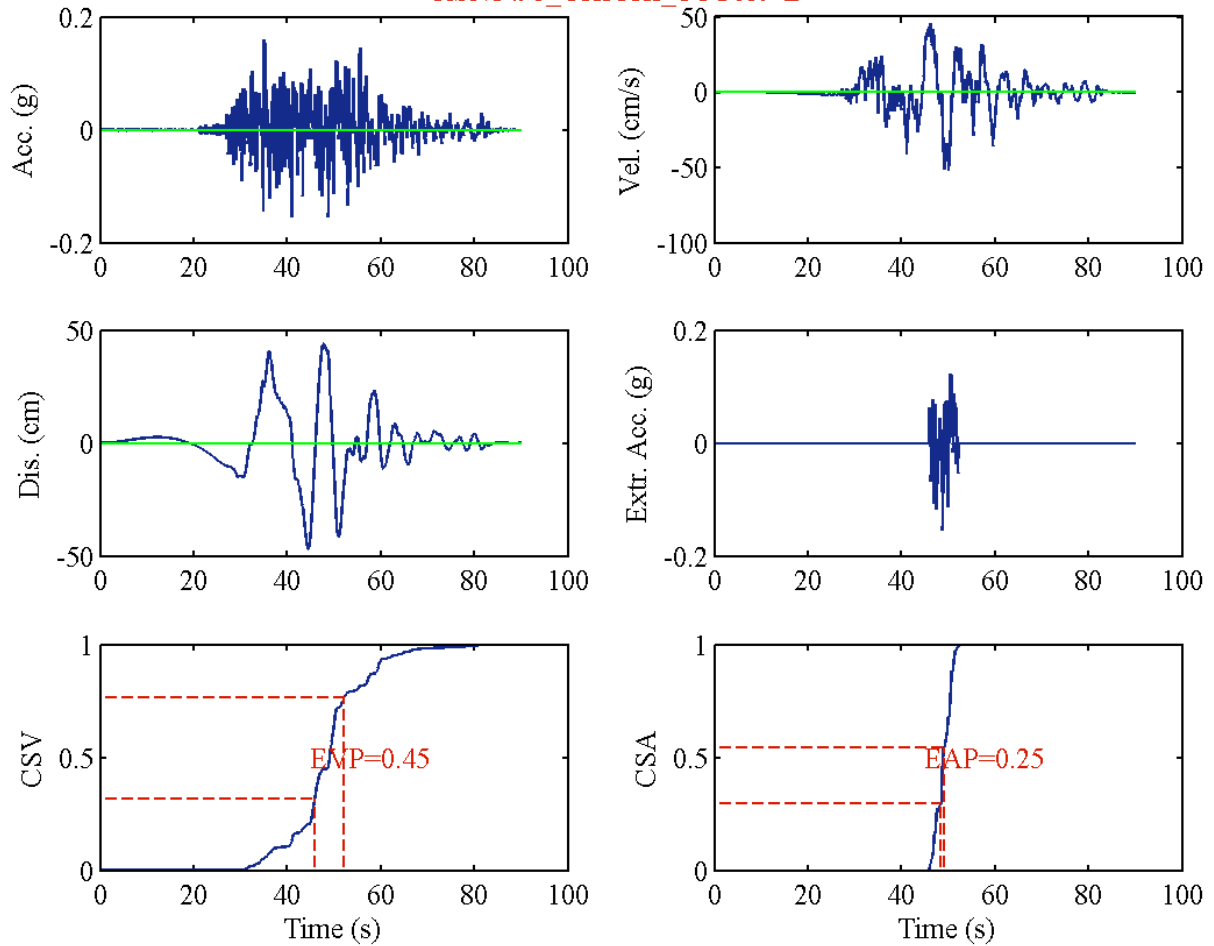
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RSN1497\_CHICHI\_TCU057-N

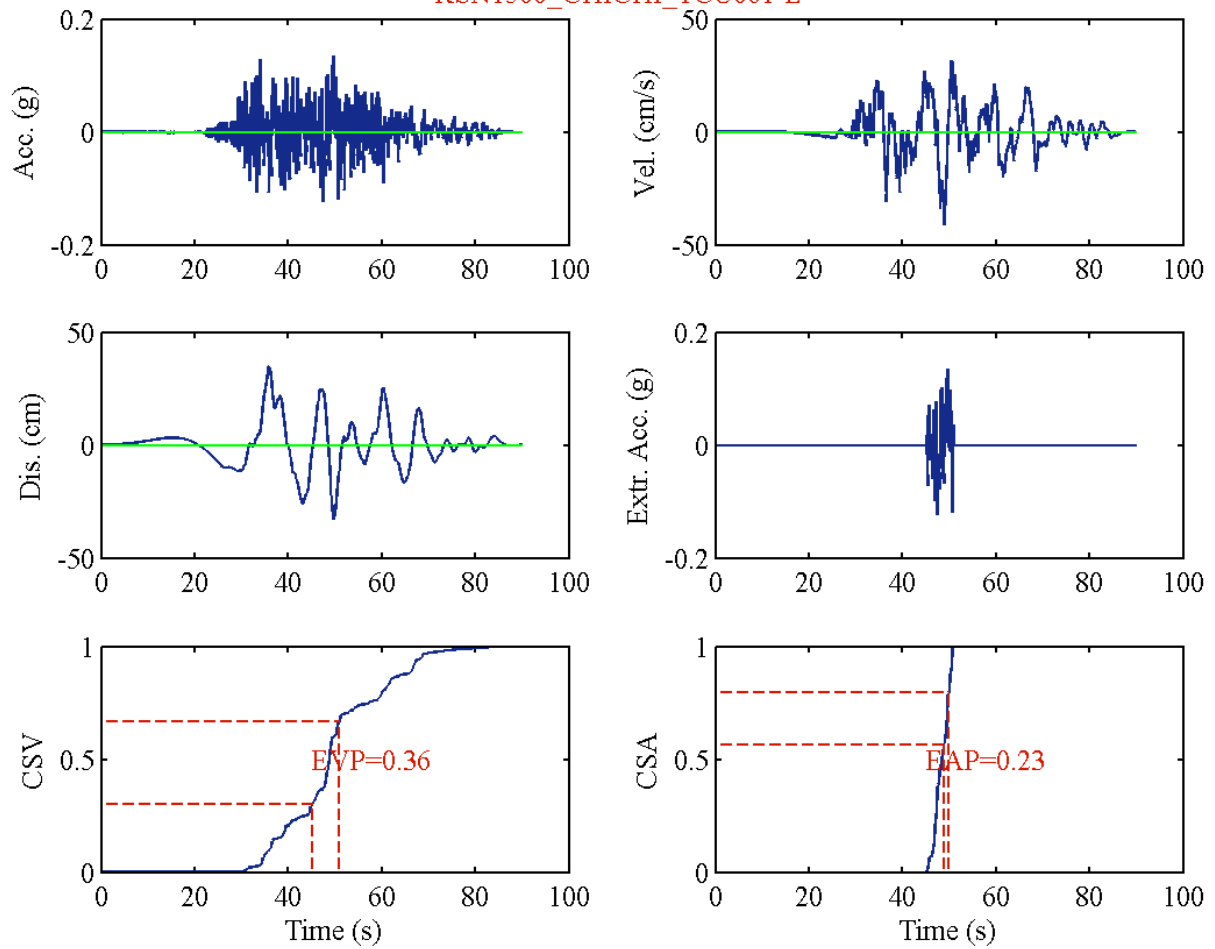


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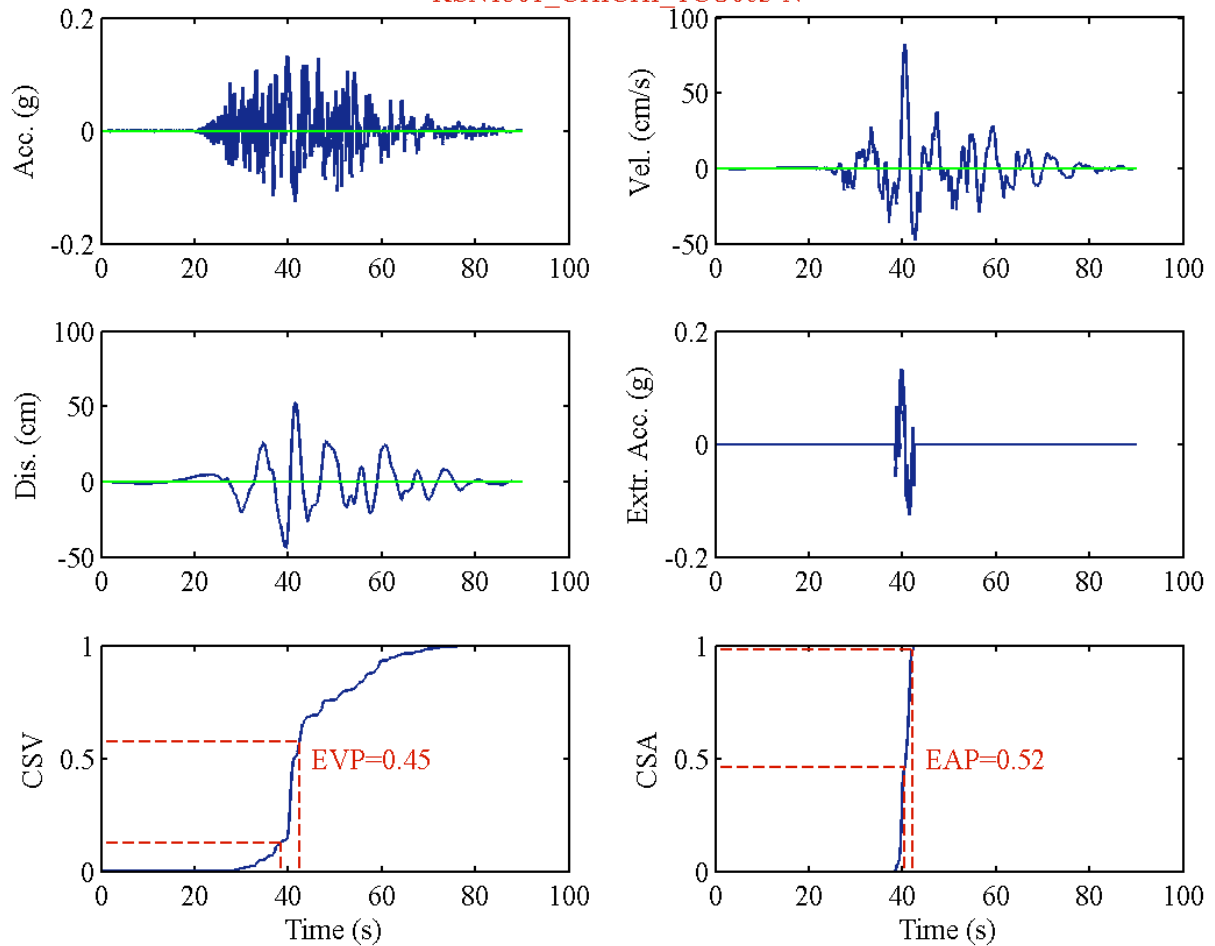




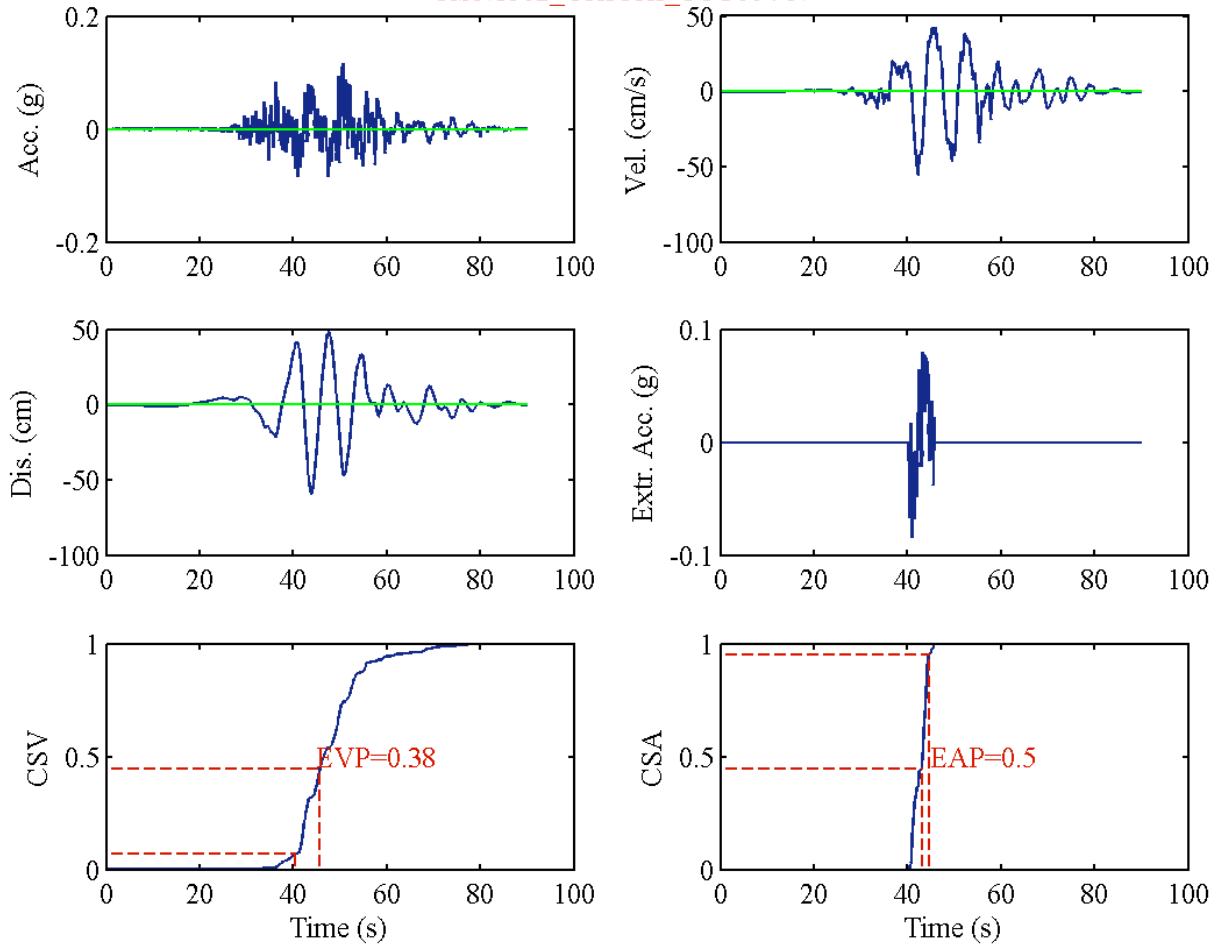
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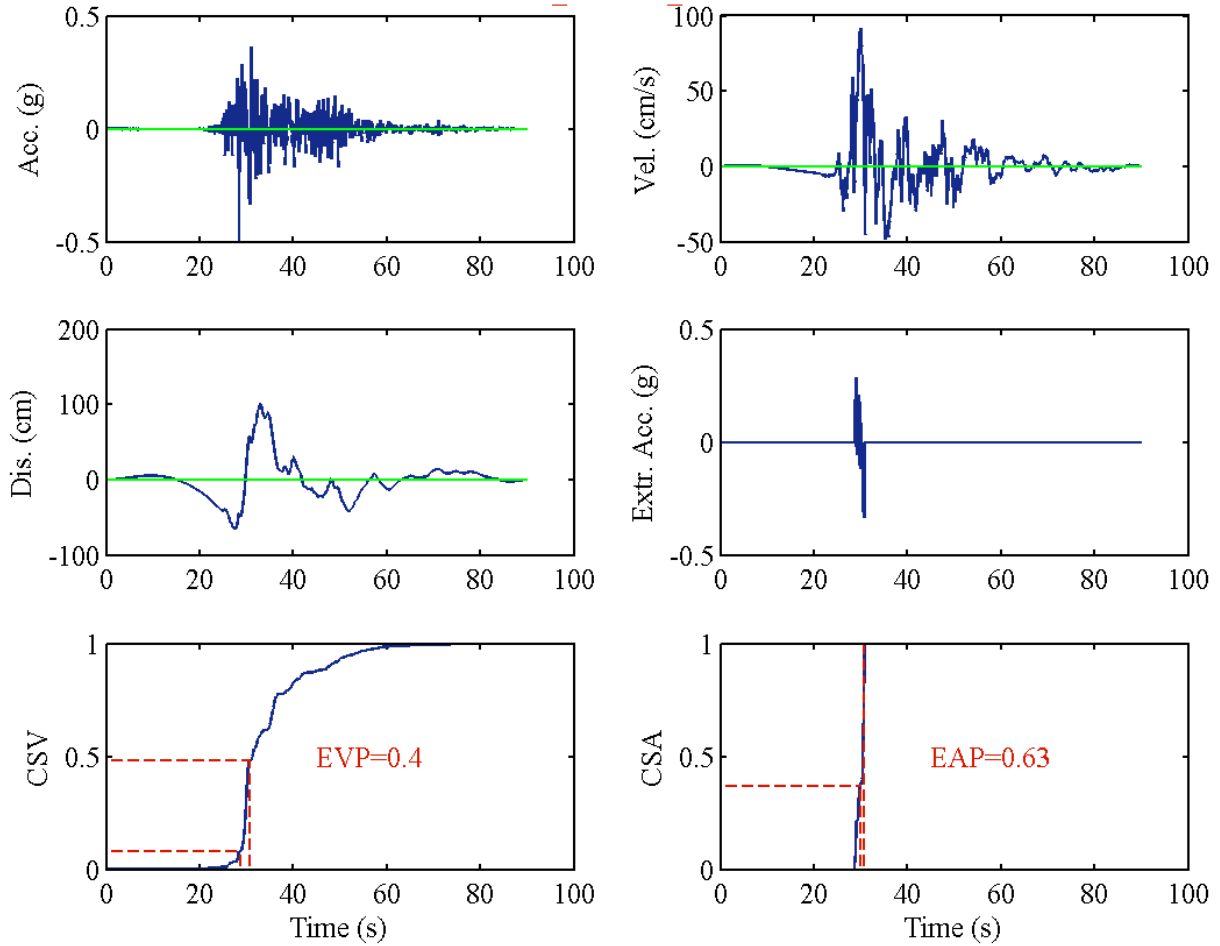
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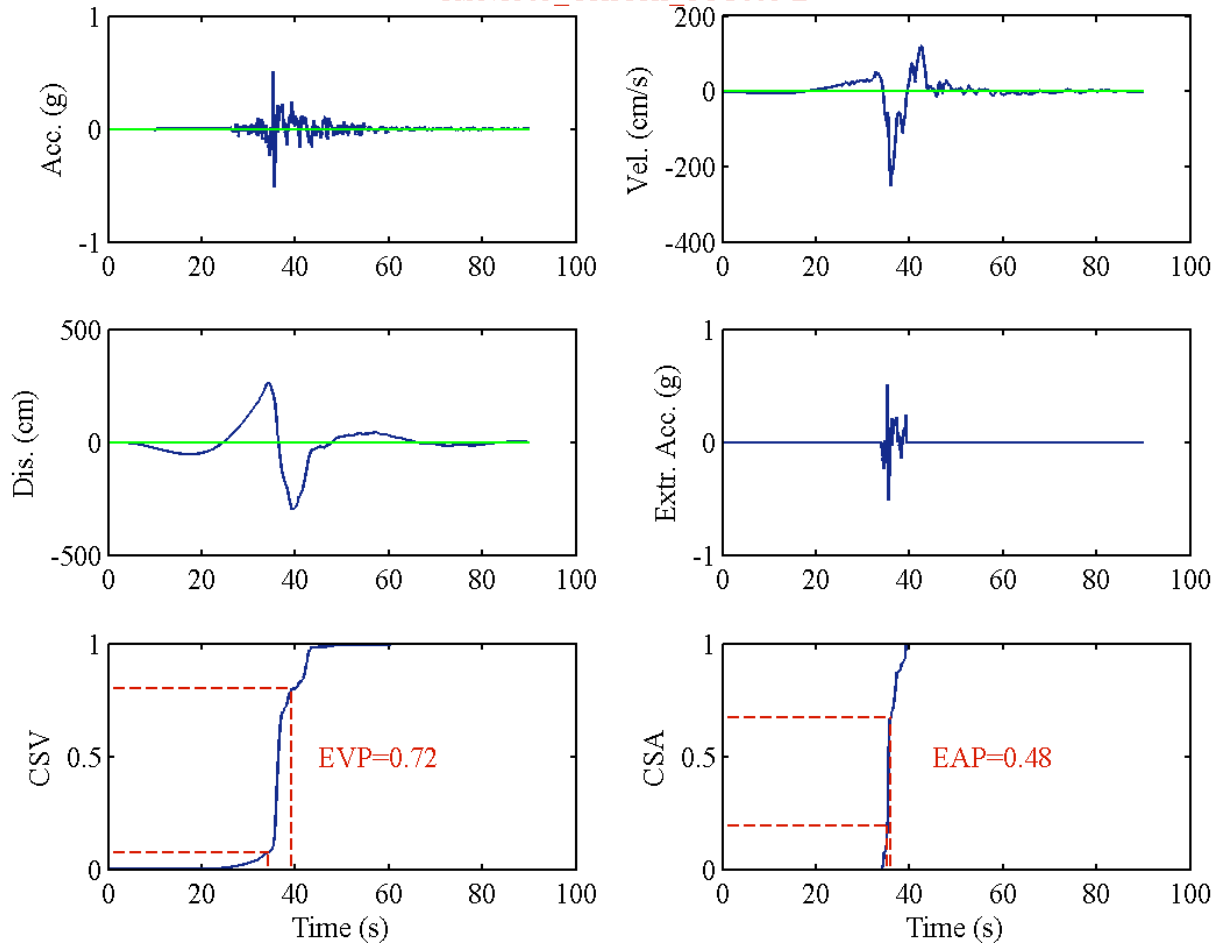
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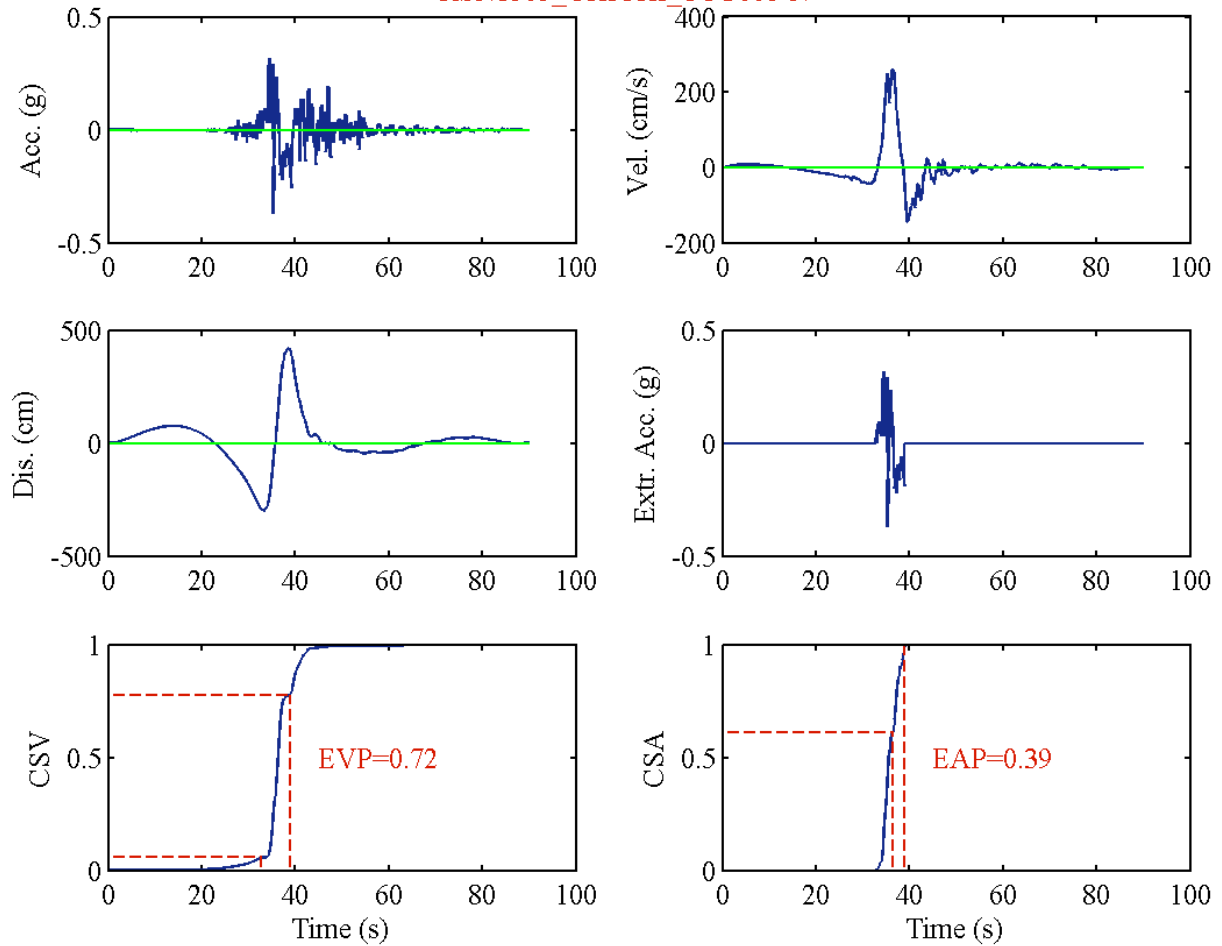
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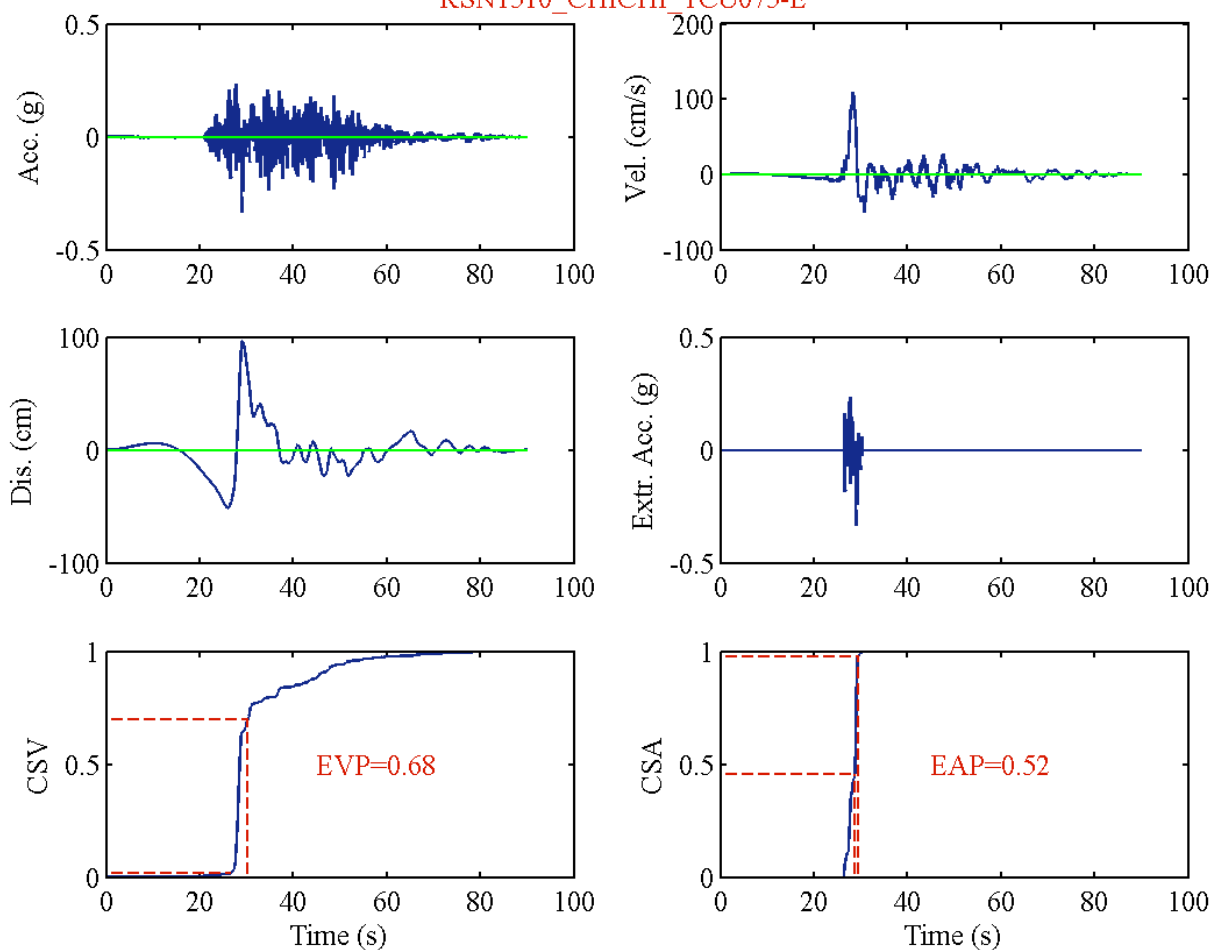
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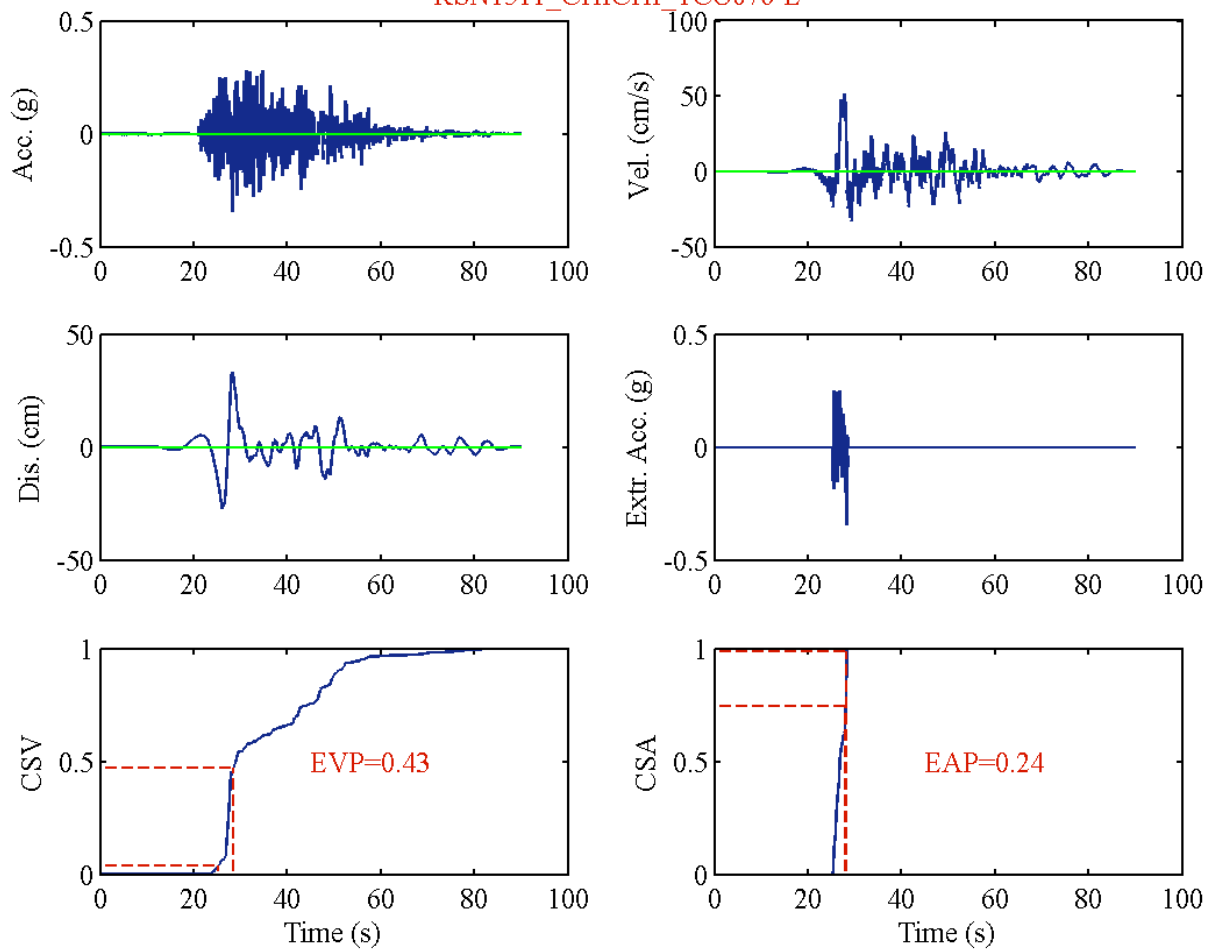
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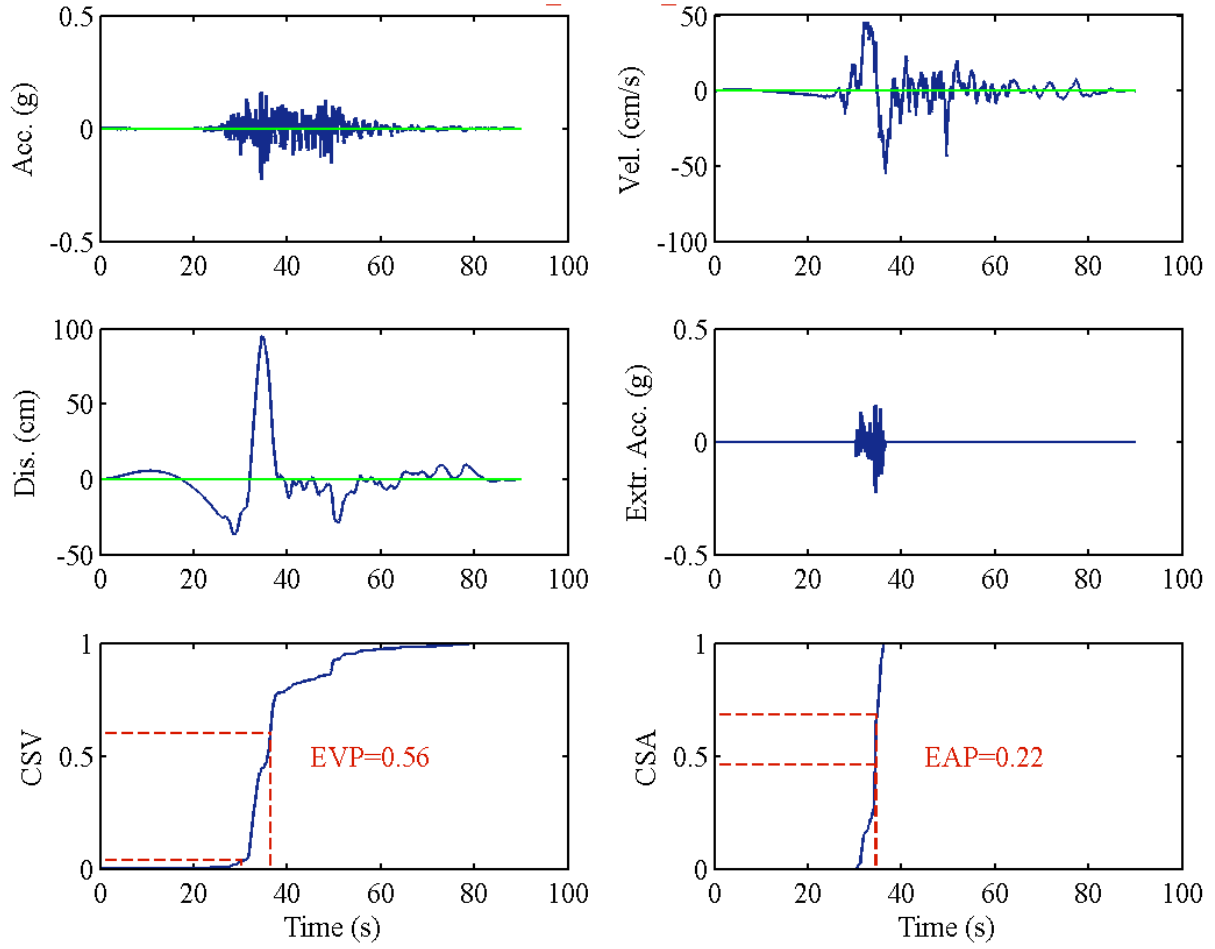
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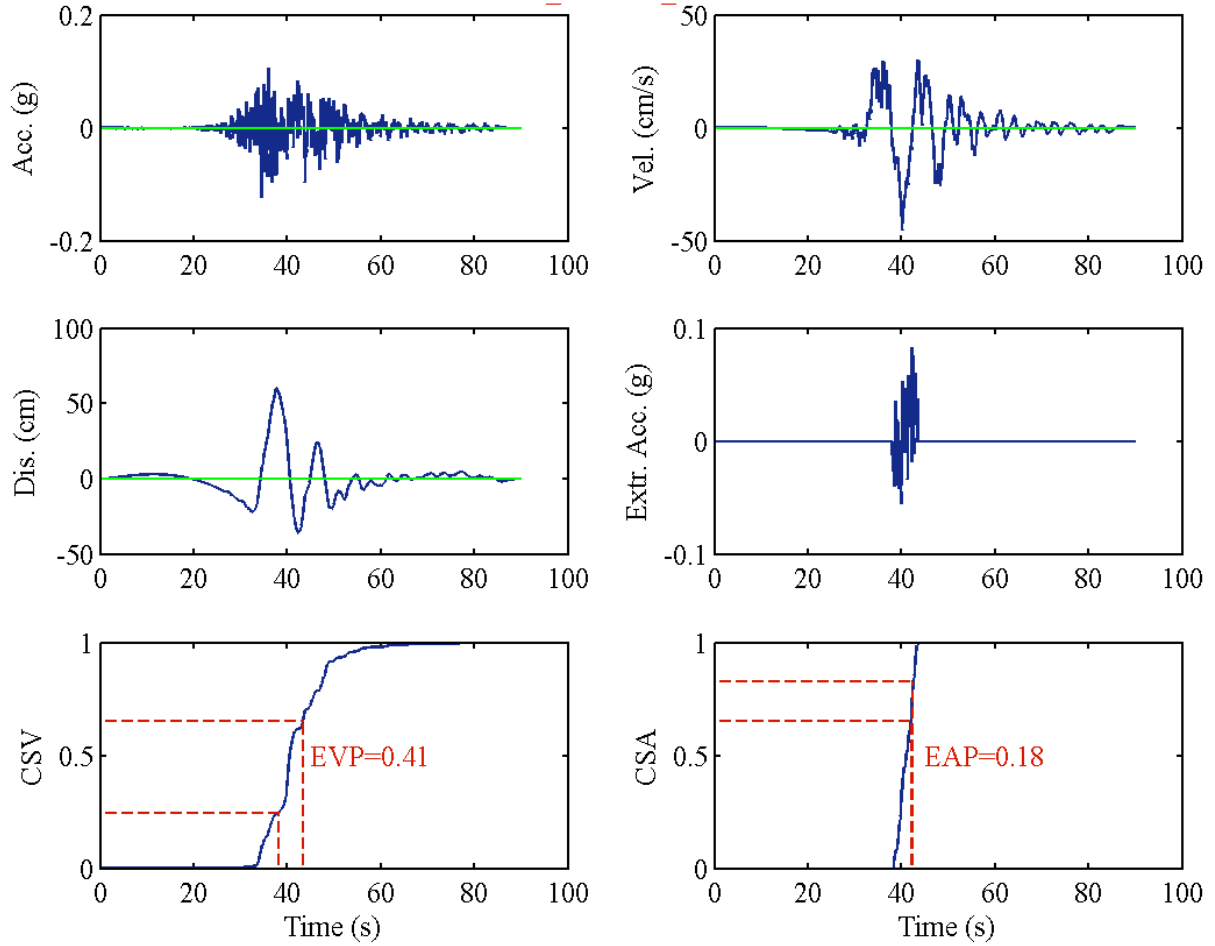
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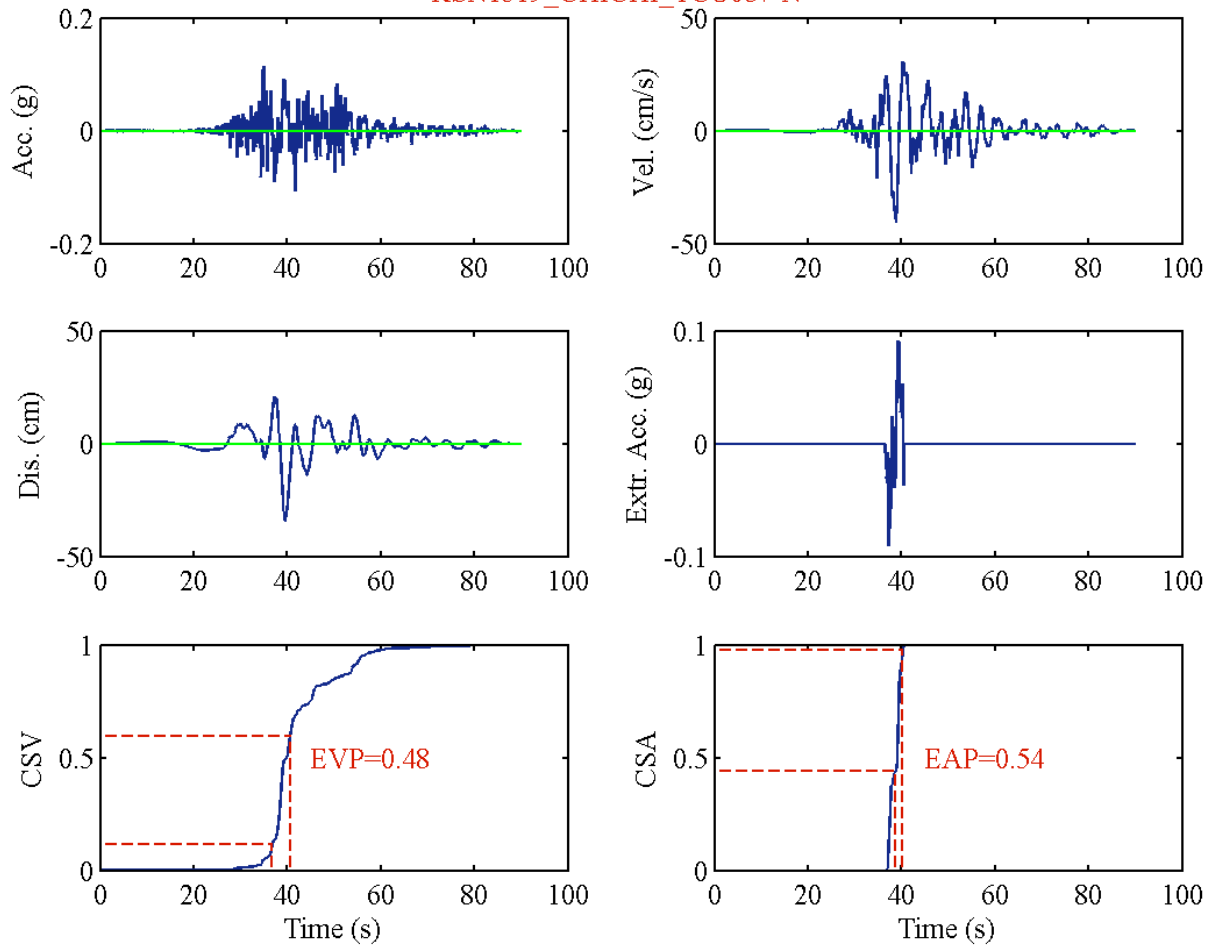
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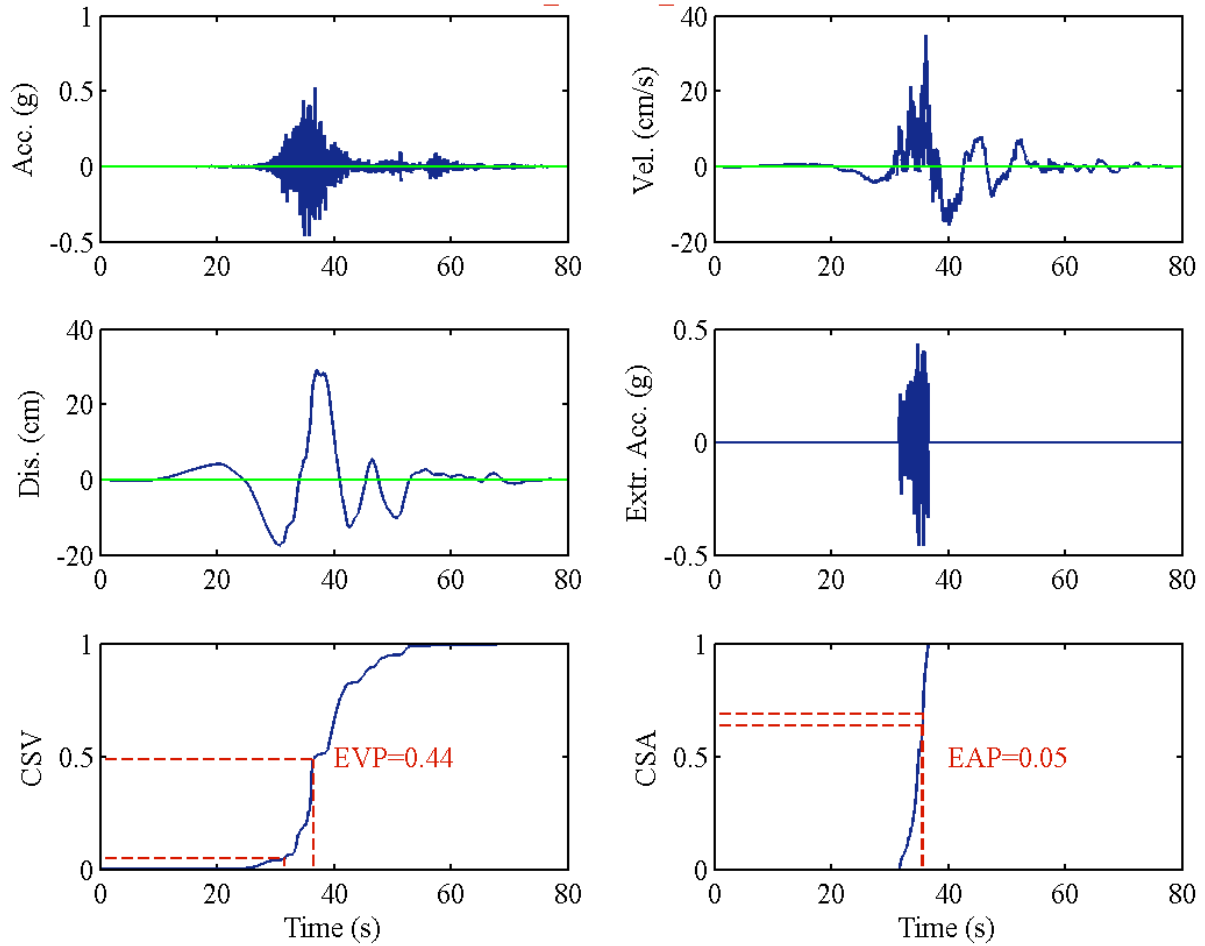
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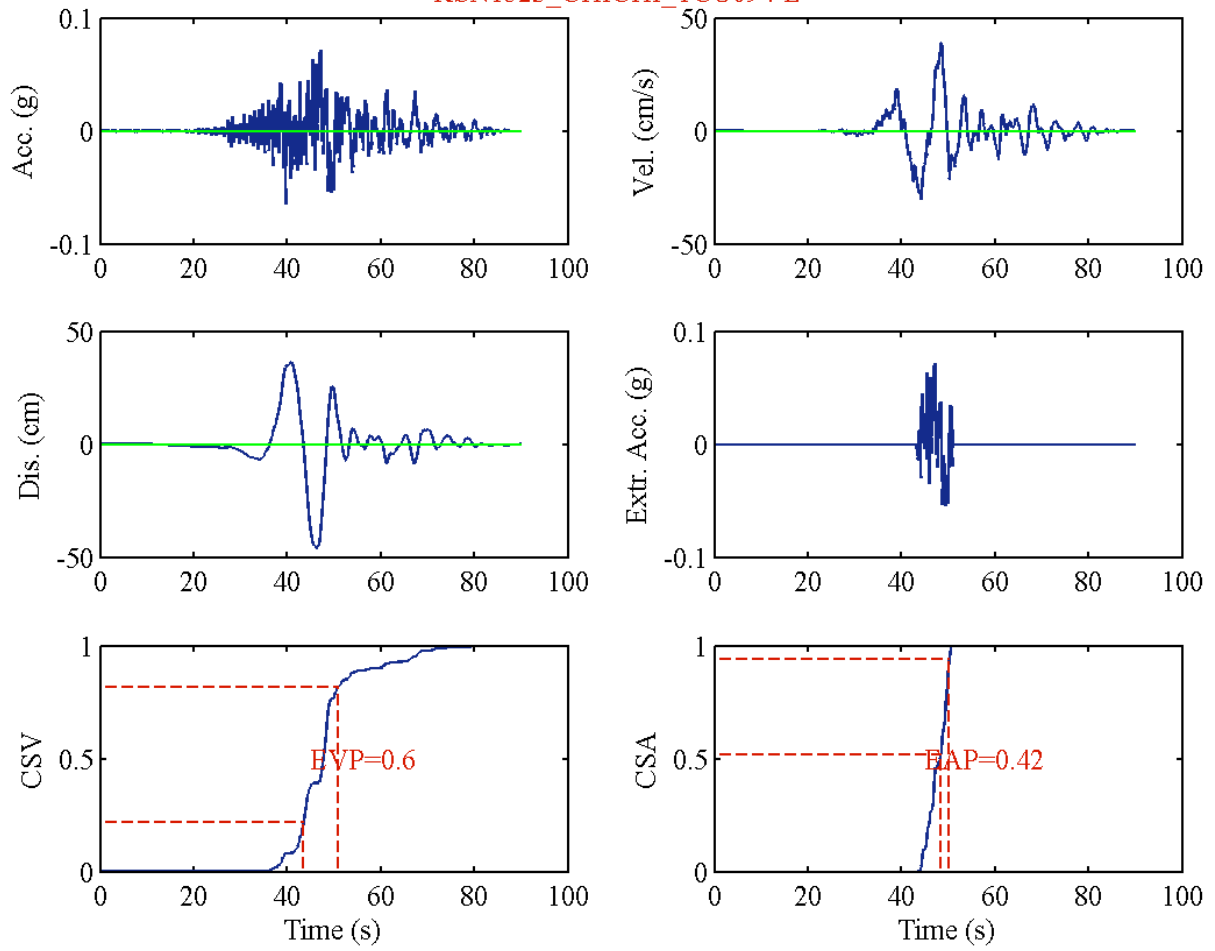
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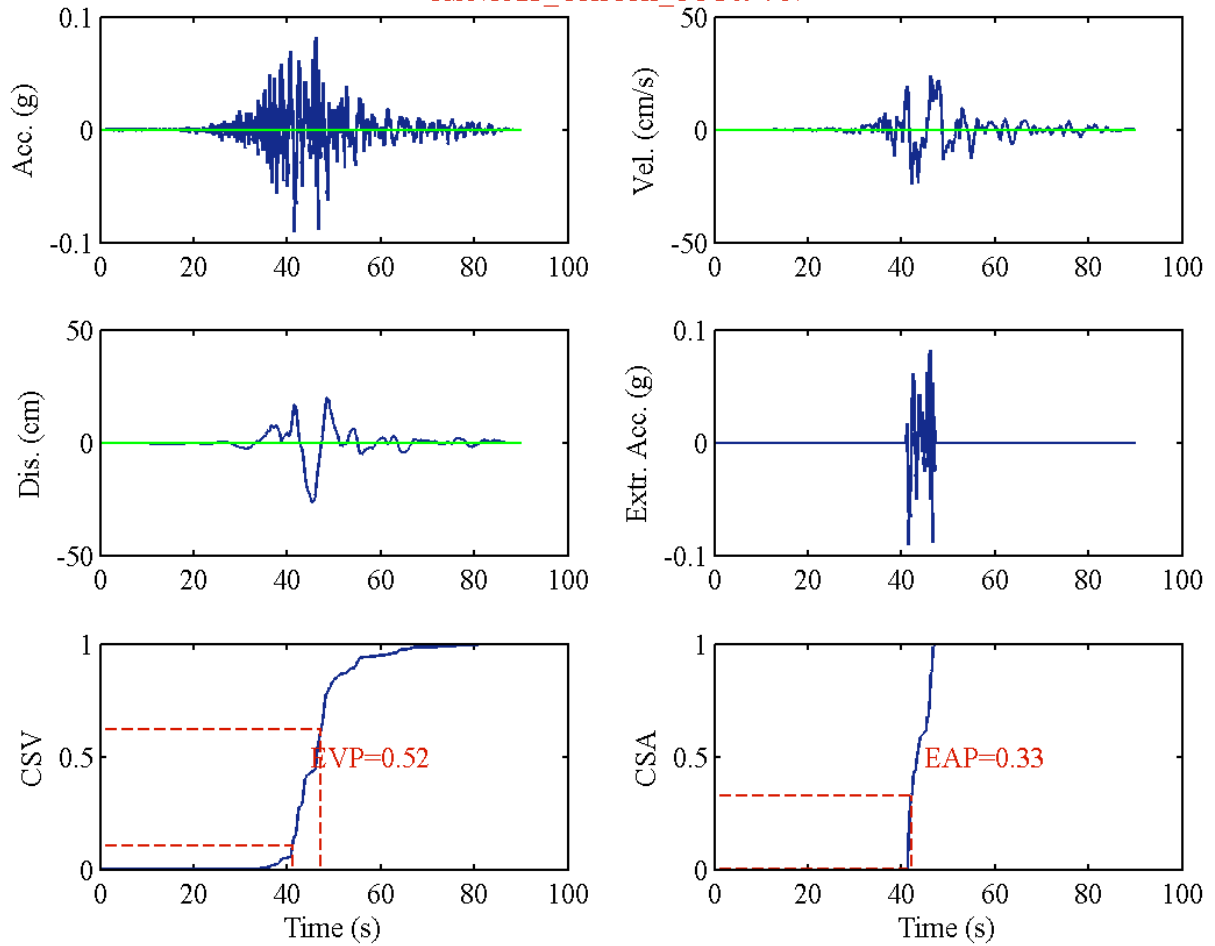
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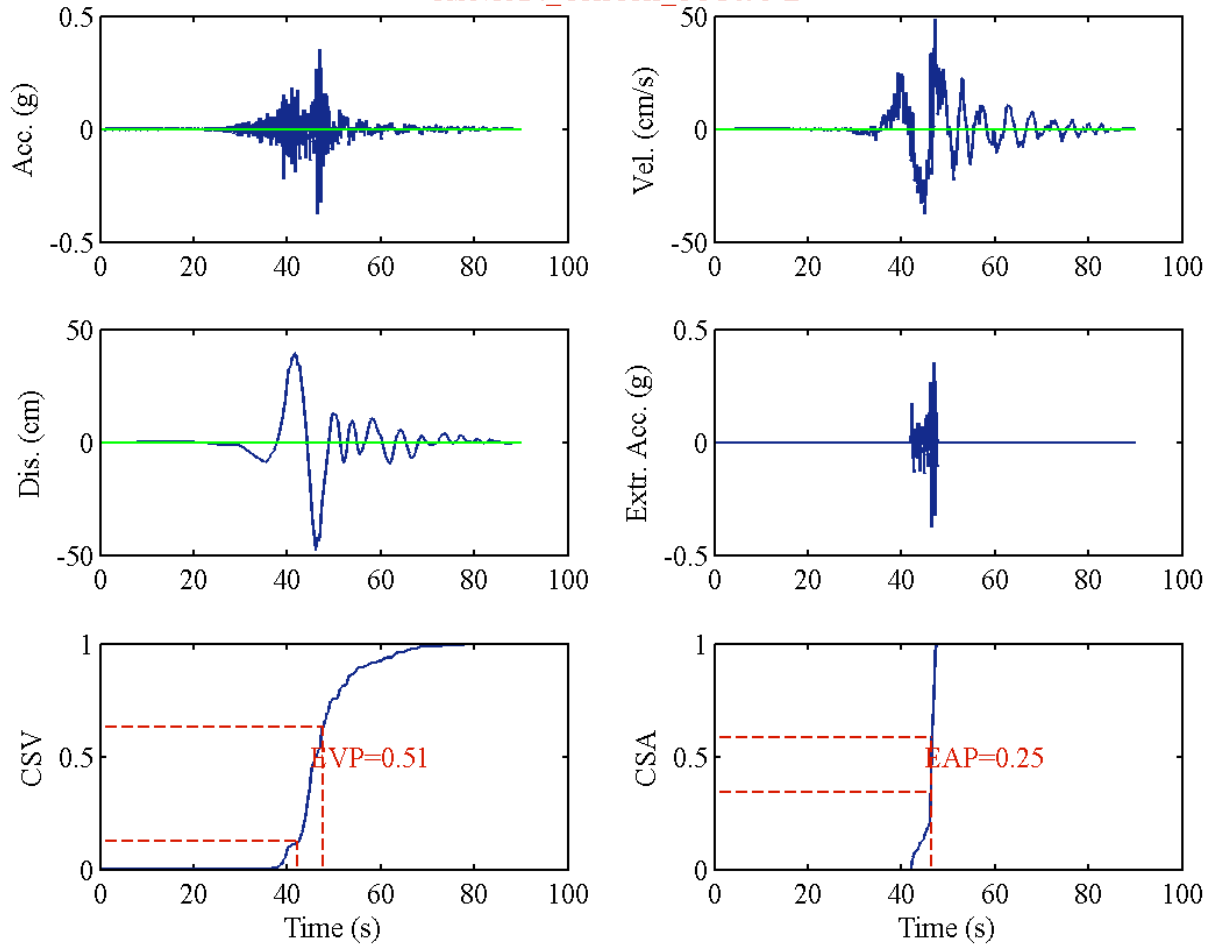
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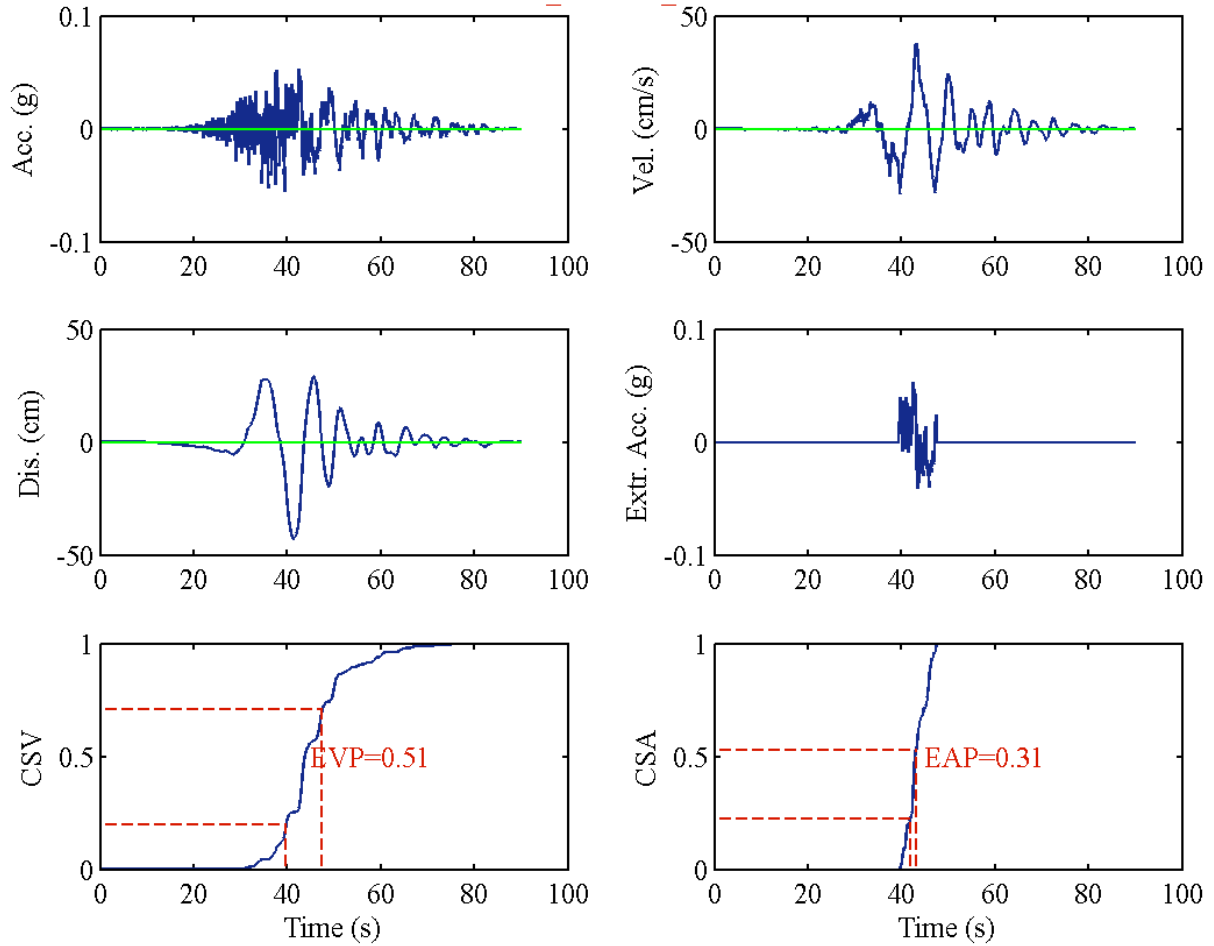
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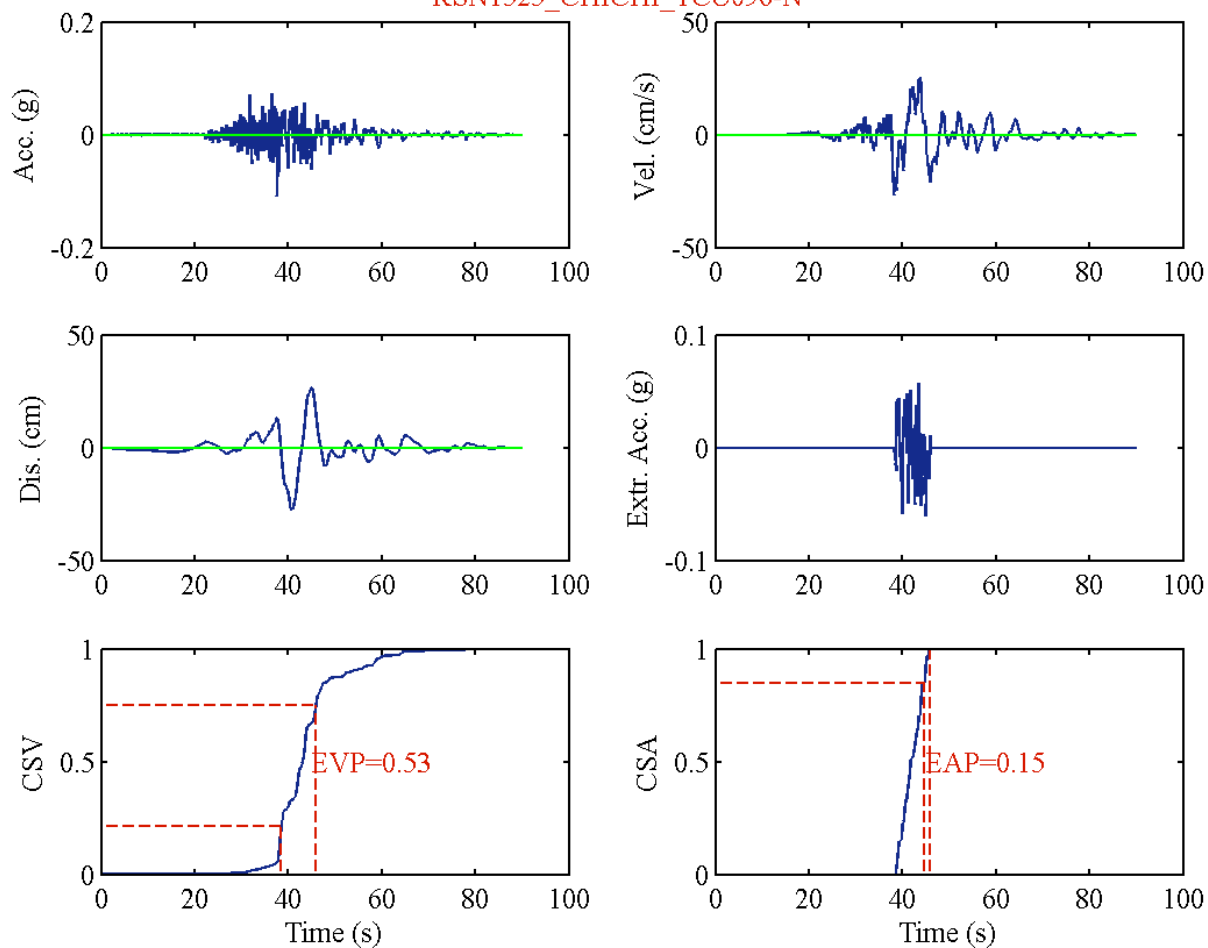


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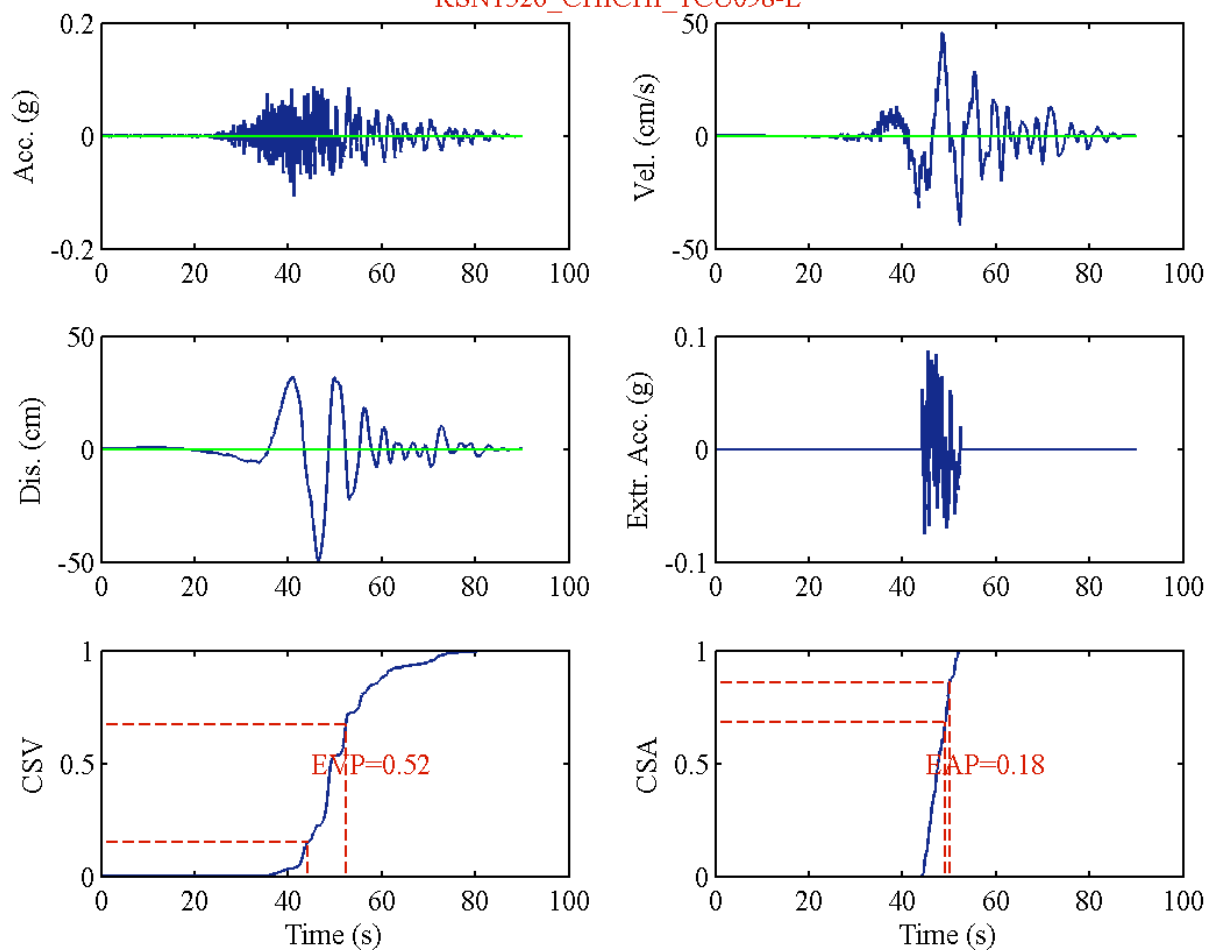




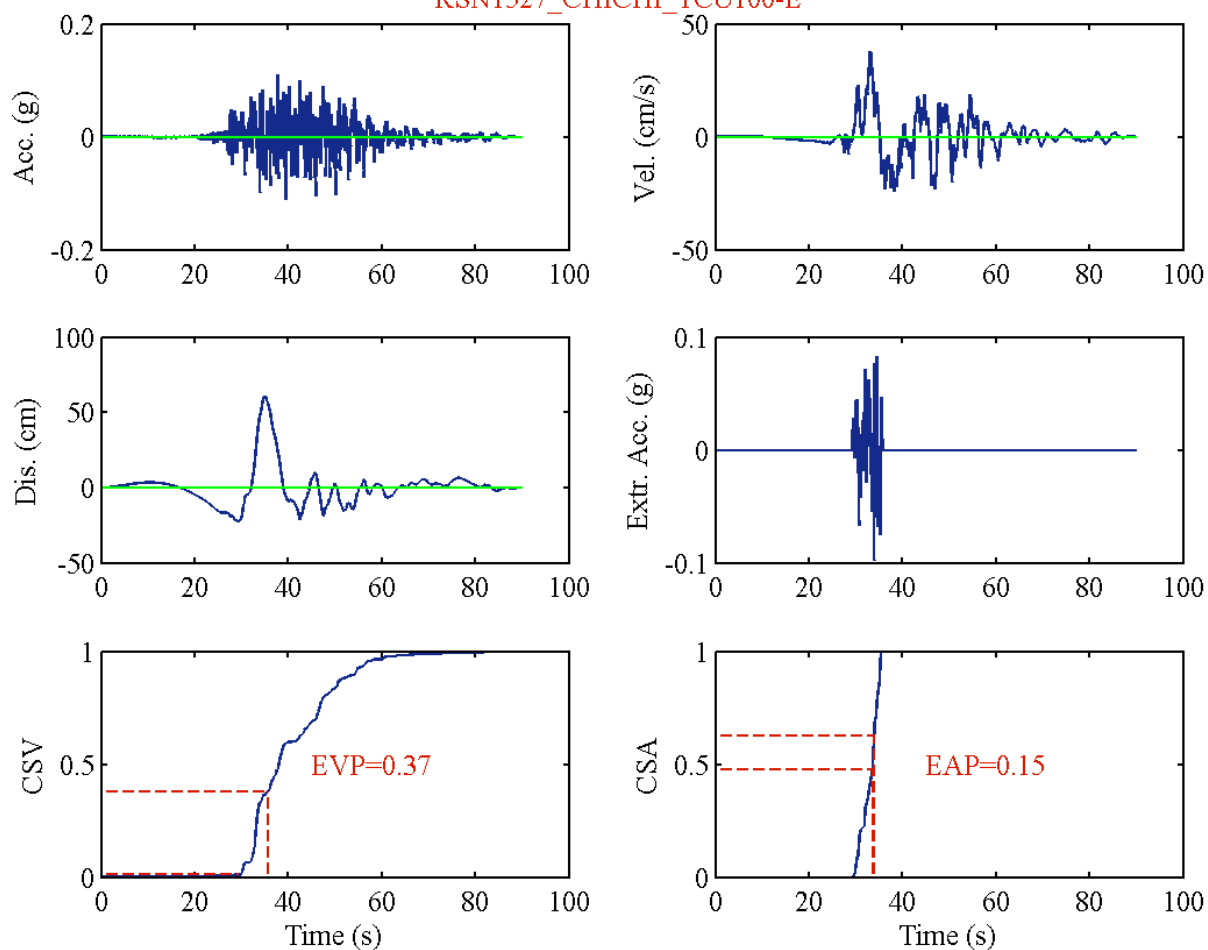
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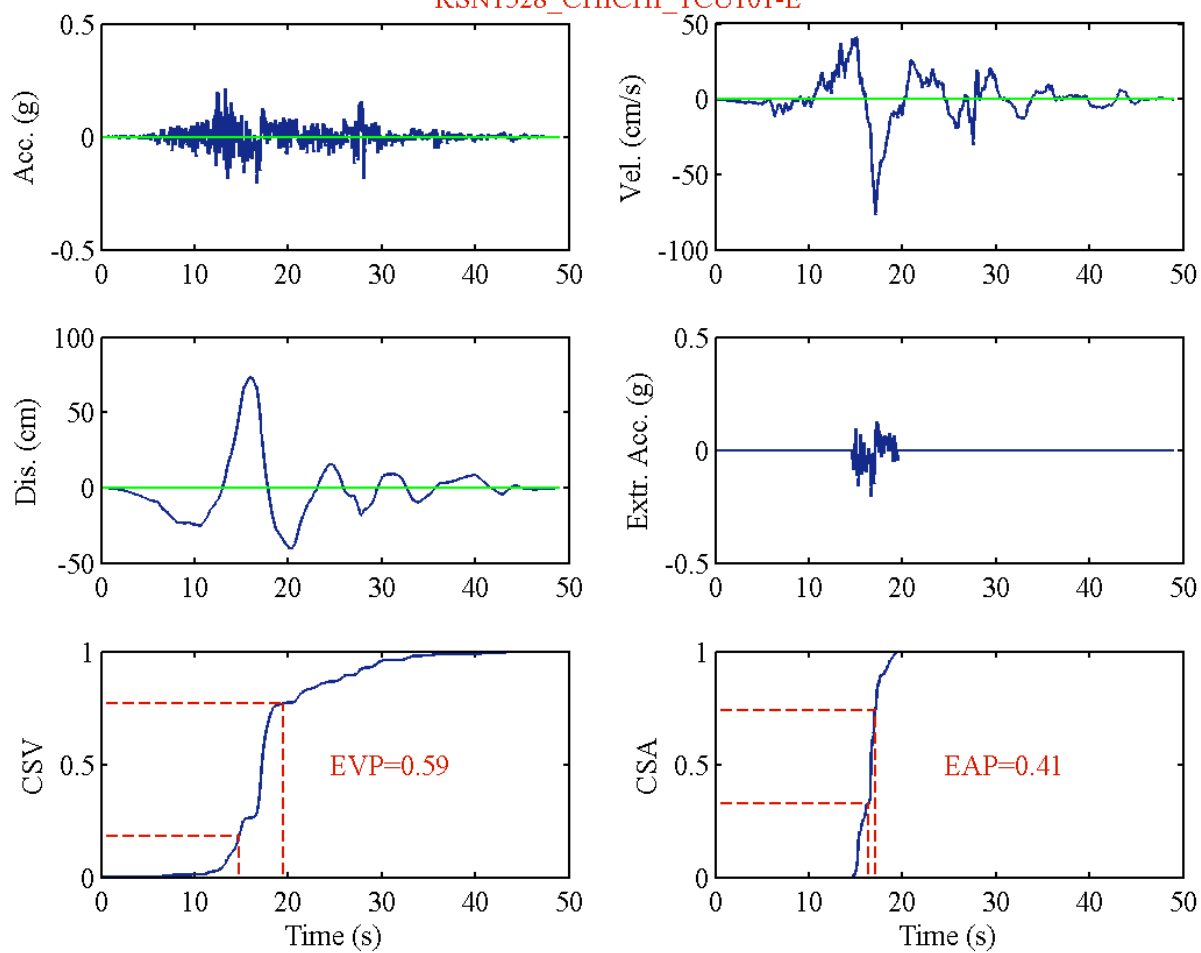
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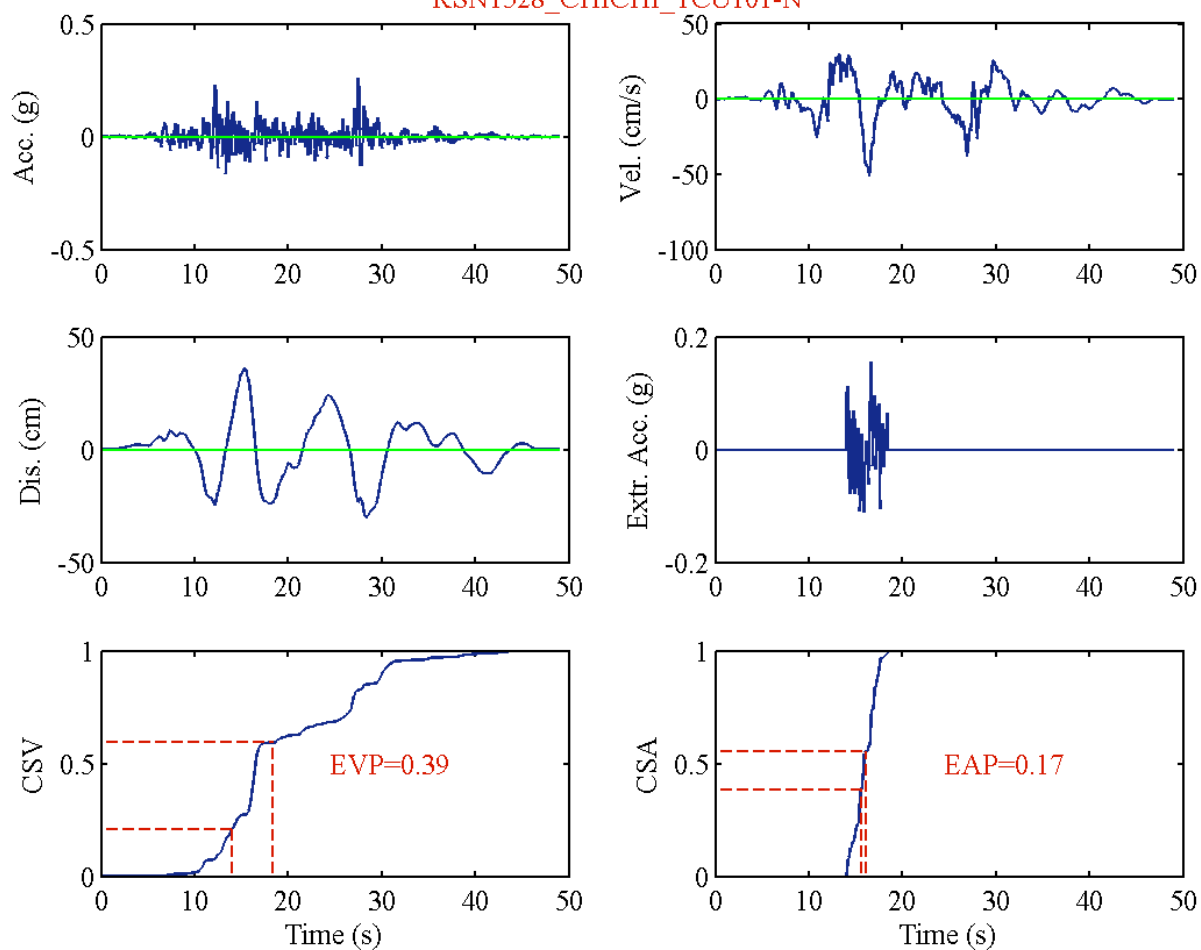
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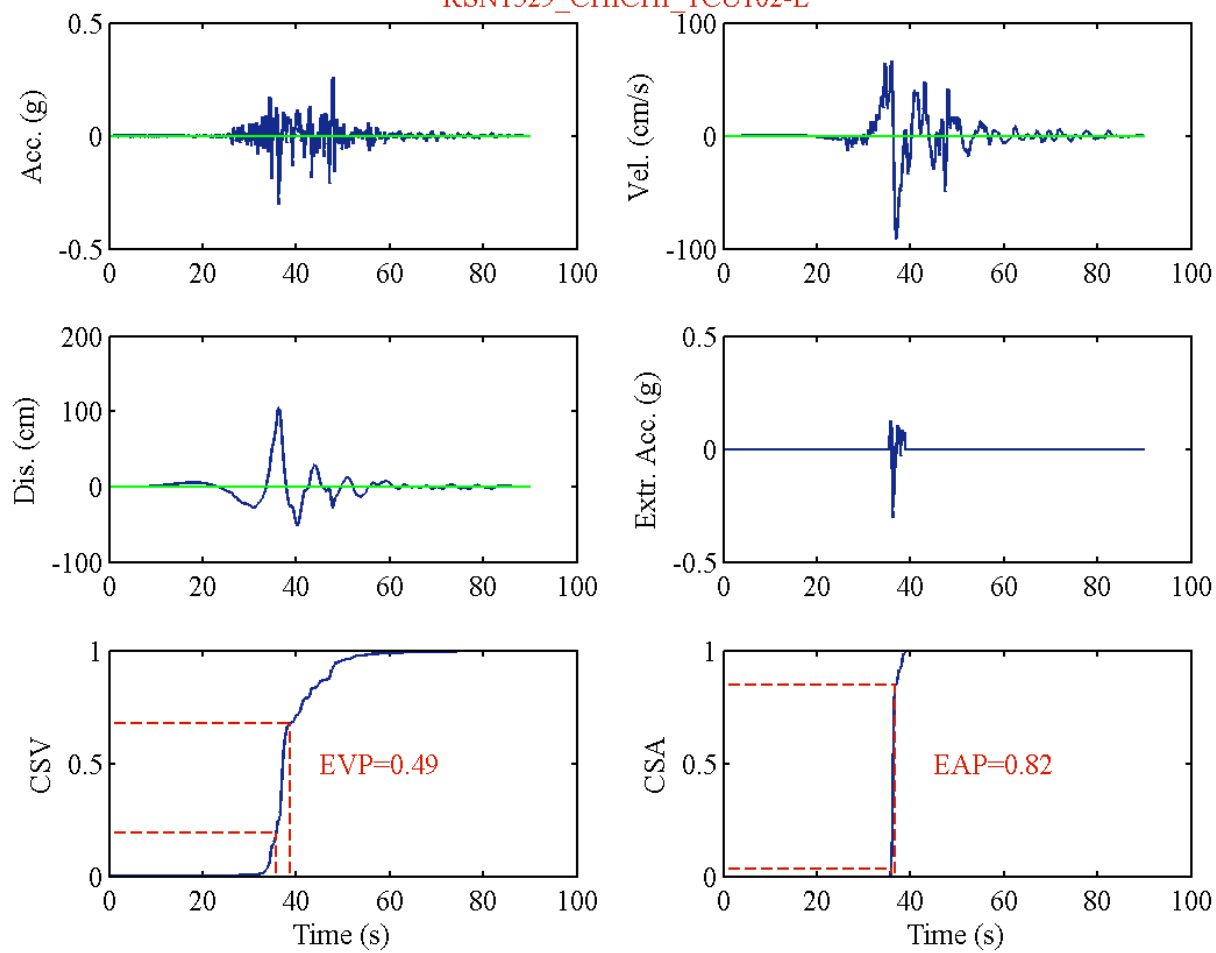
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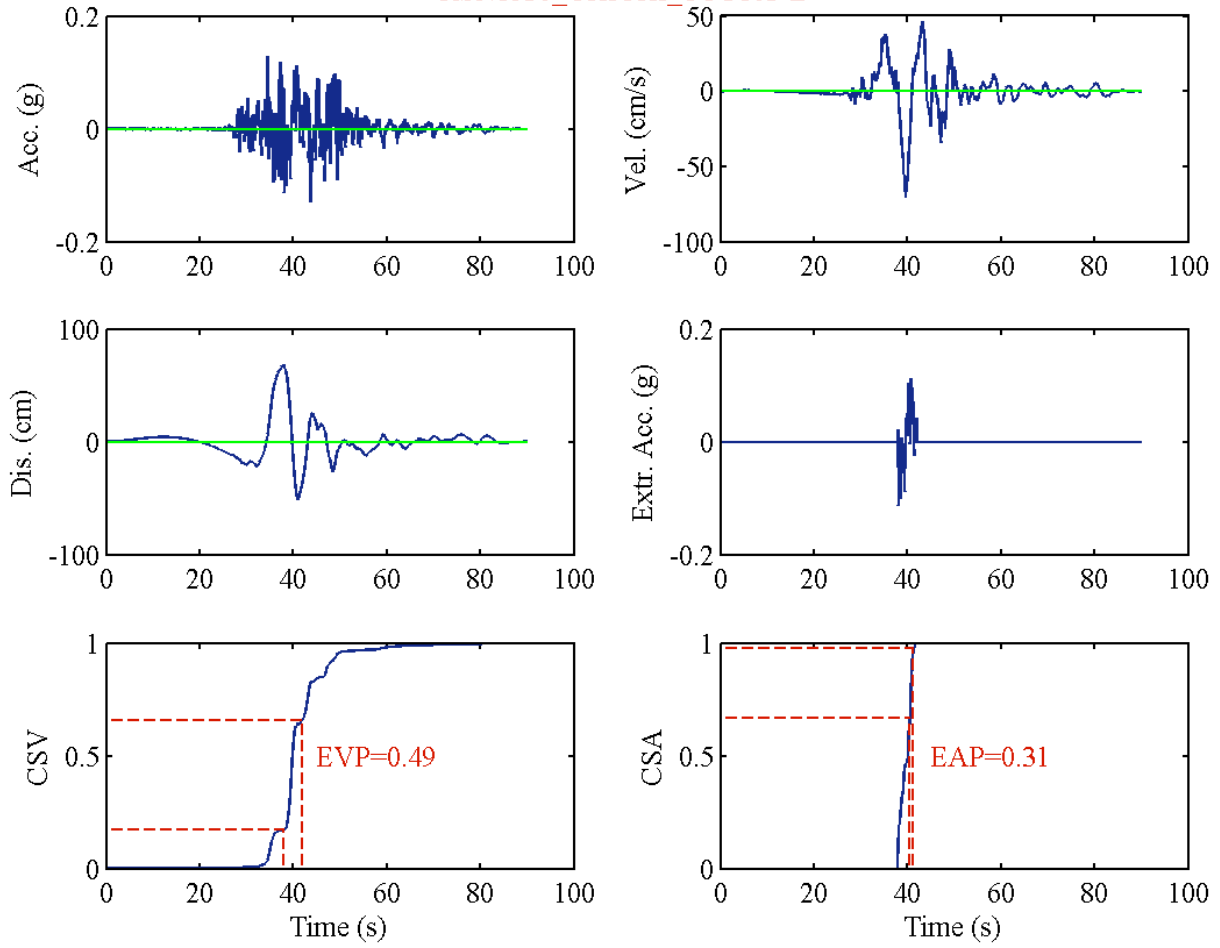
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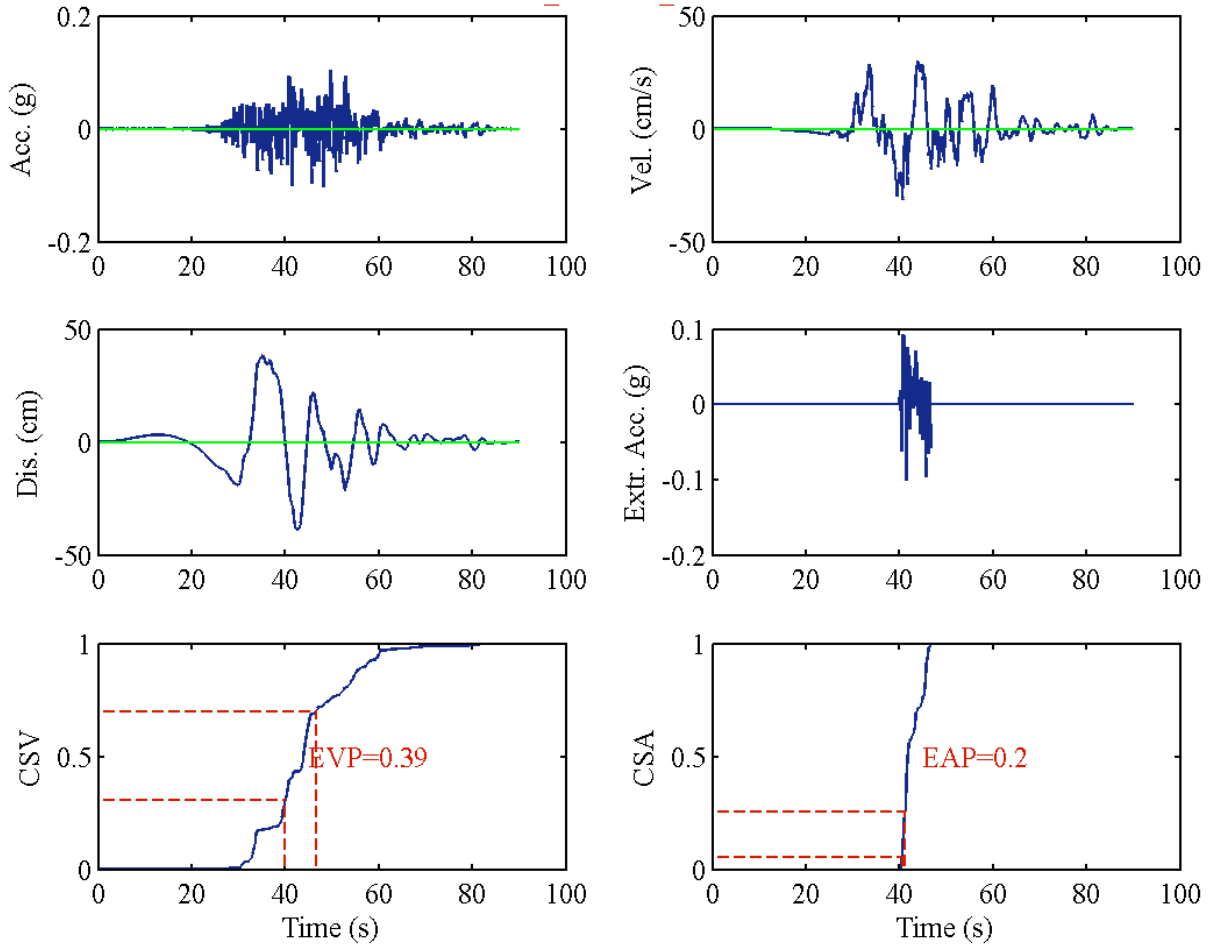
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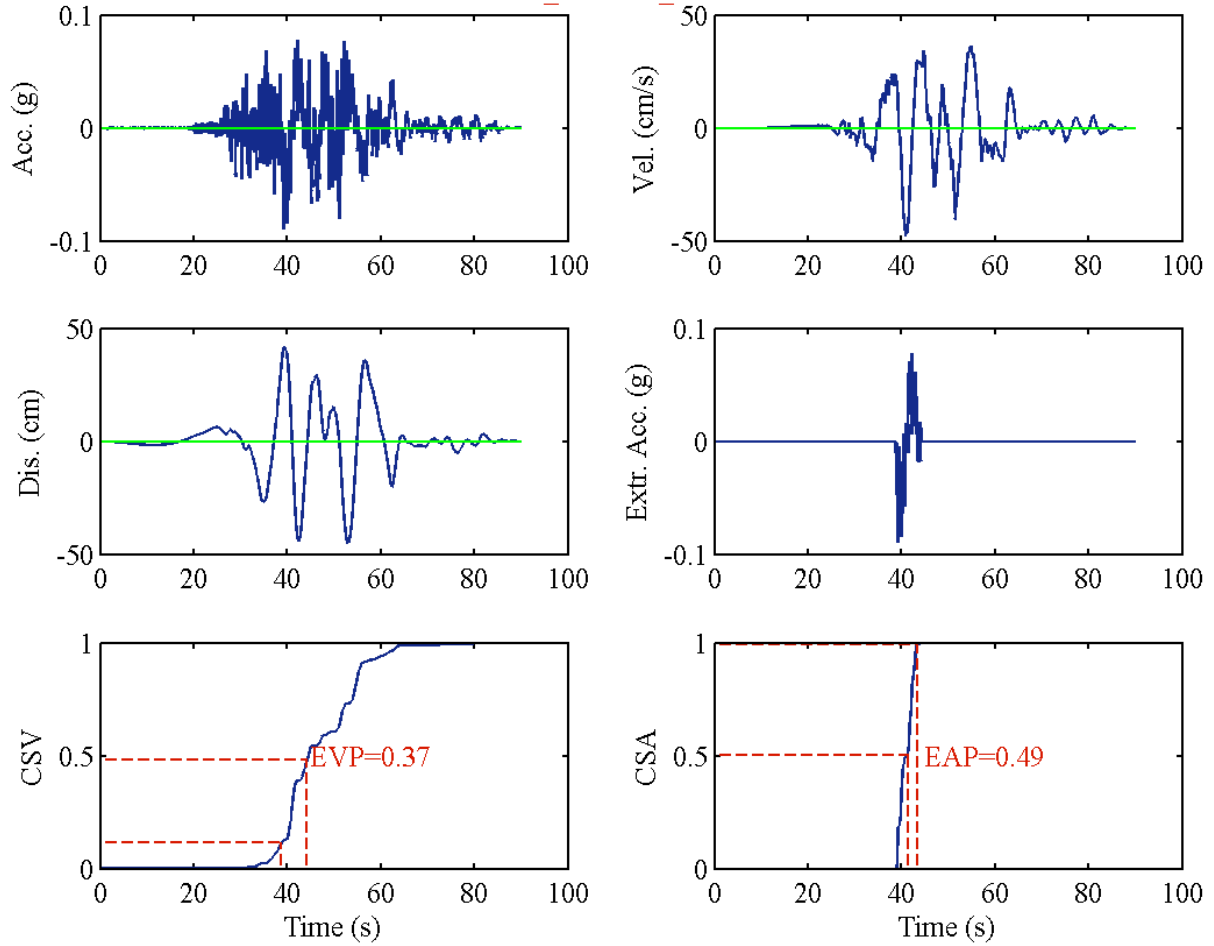
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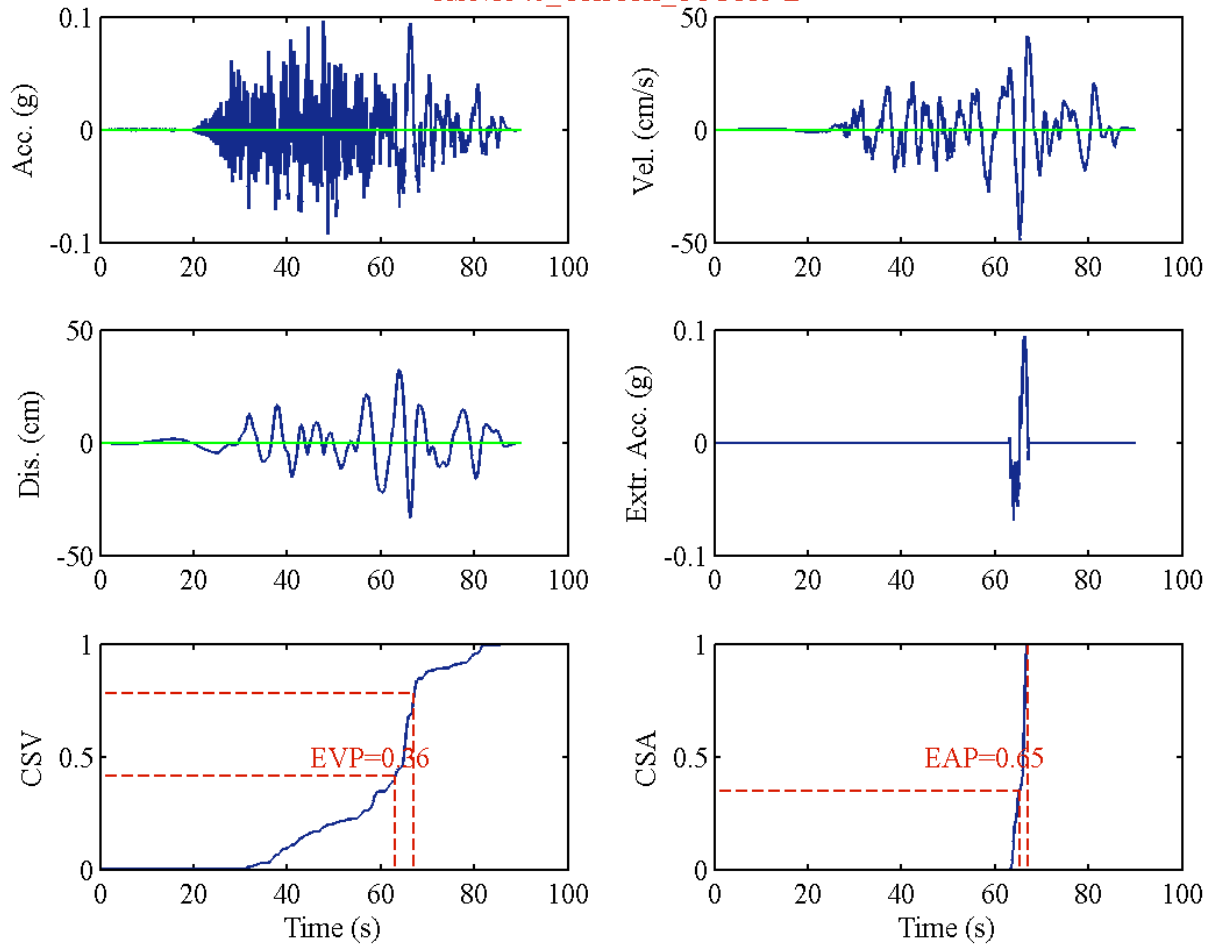
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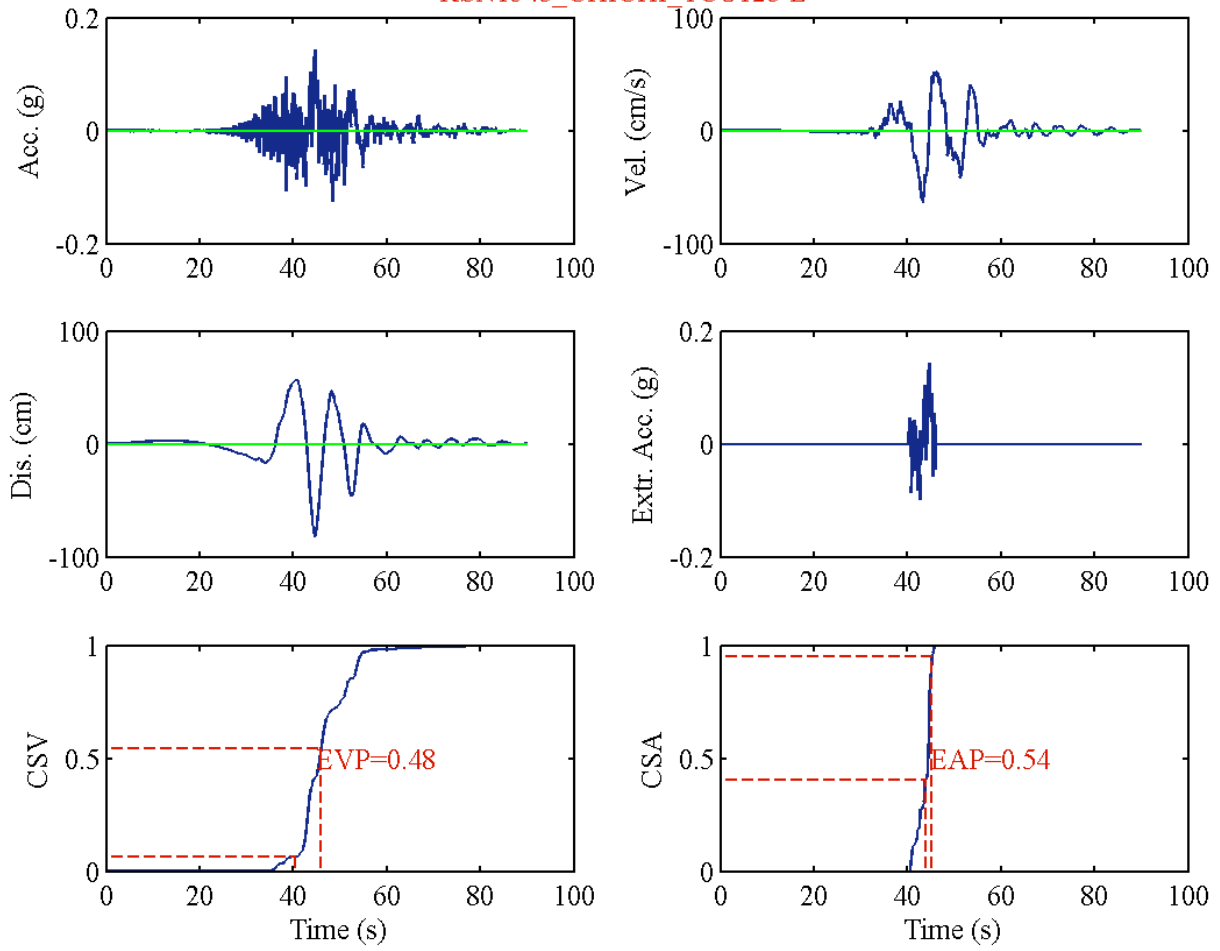
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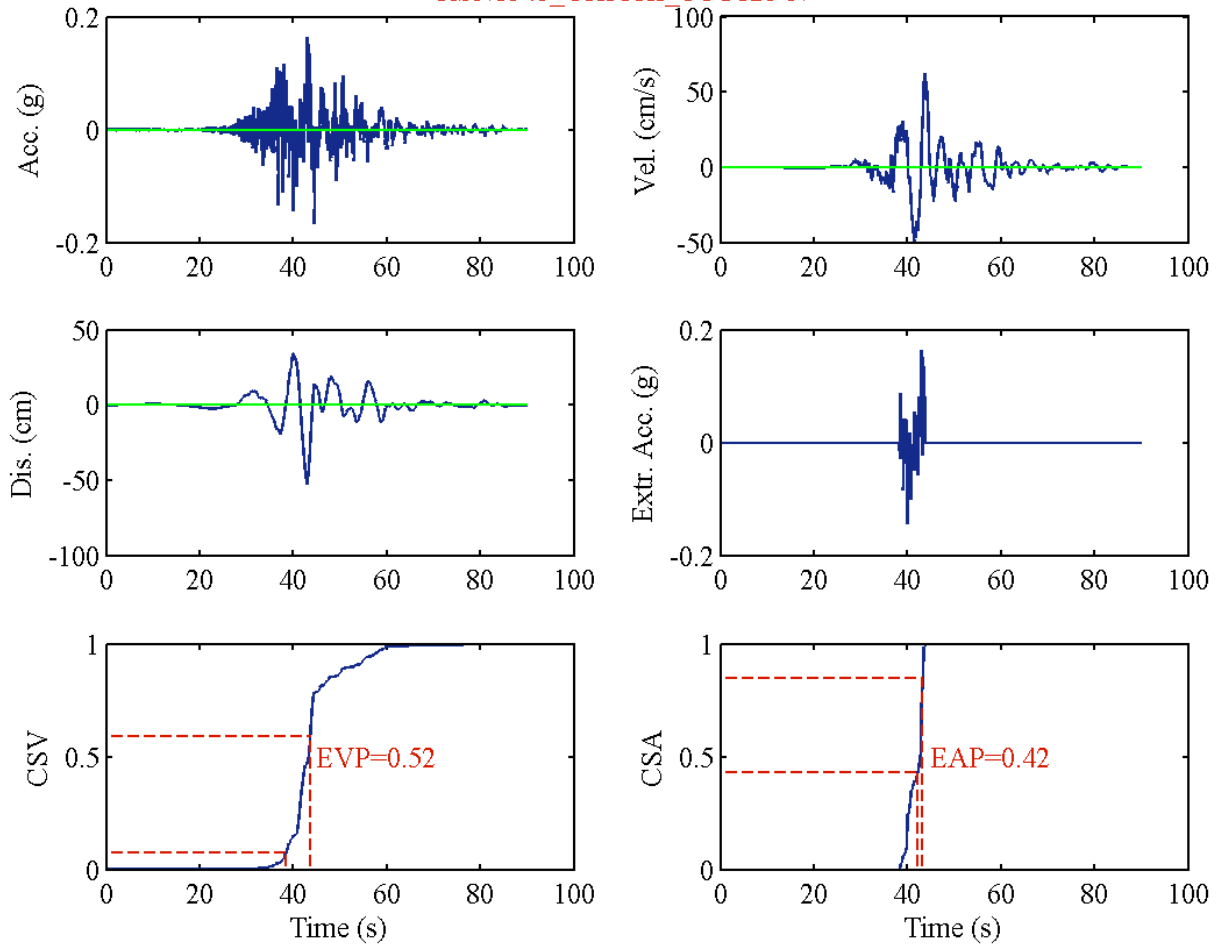
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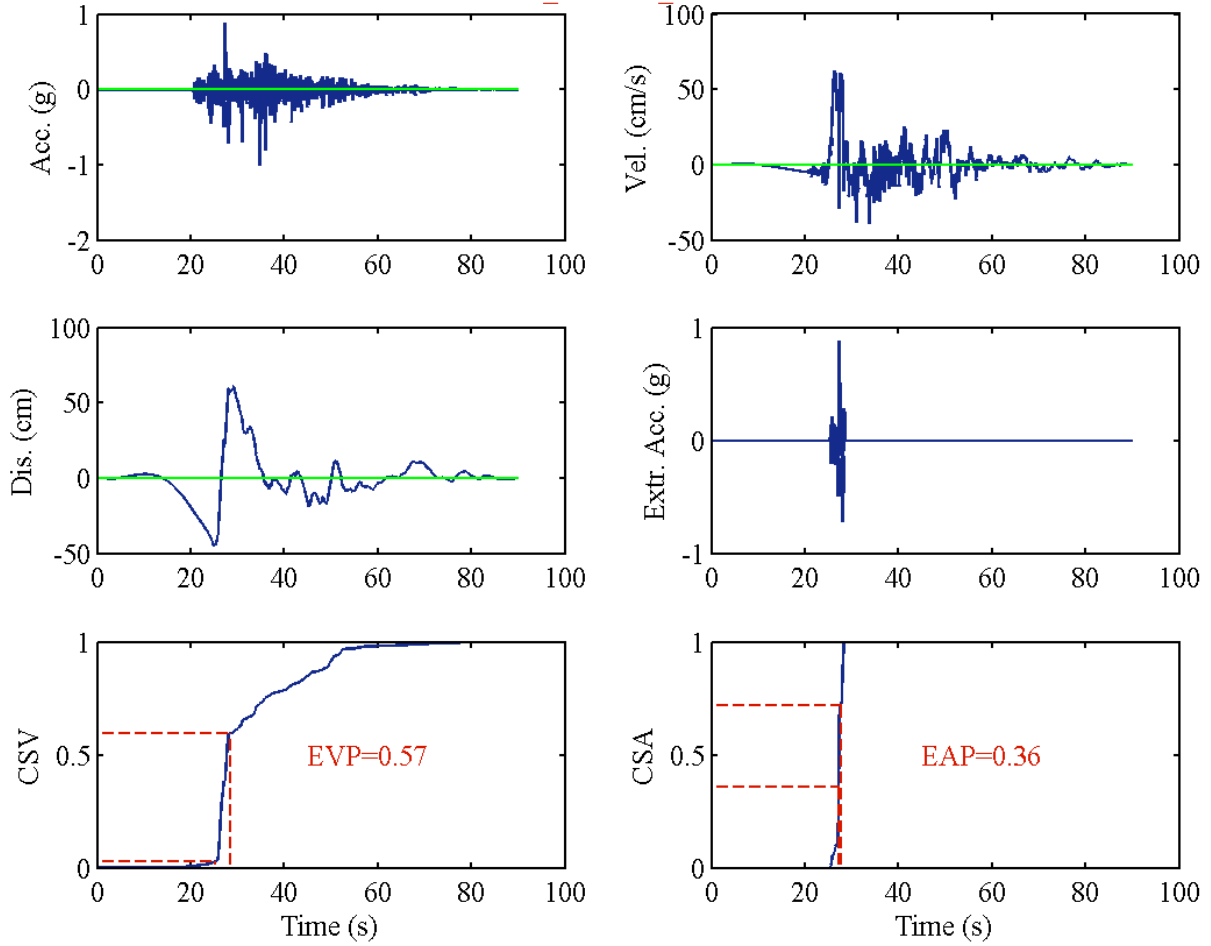
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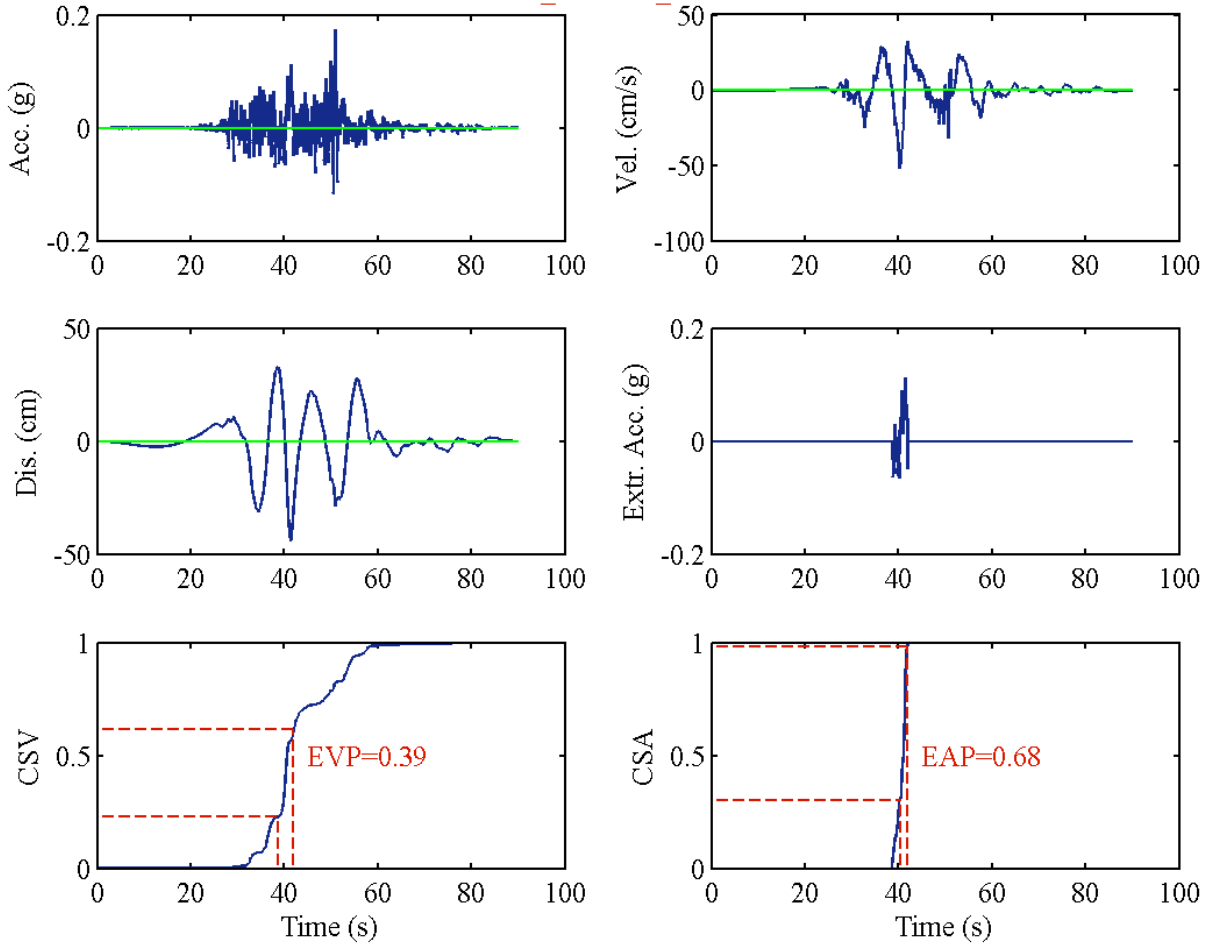
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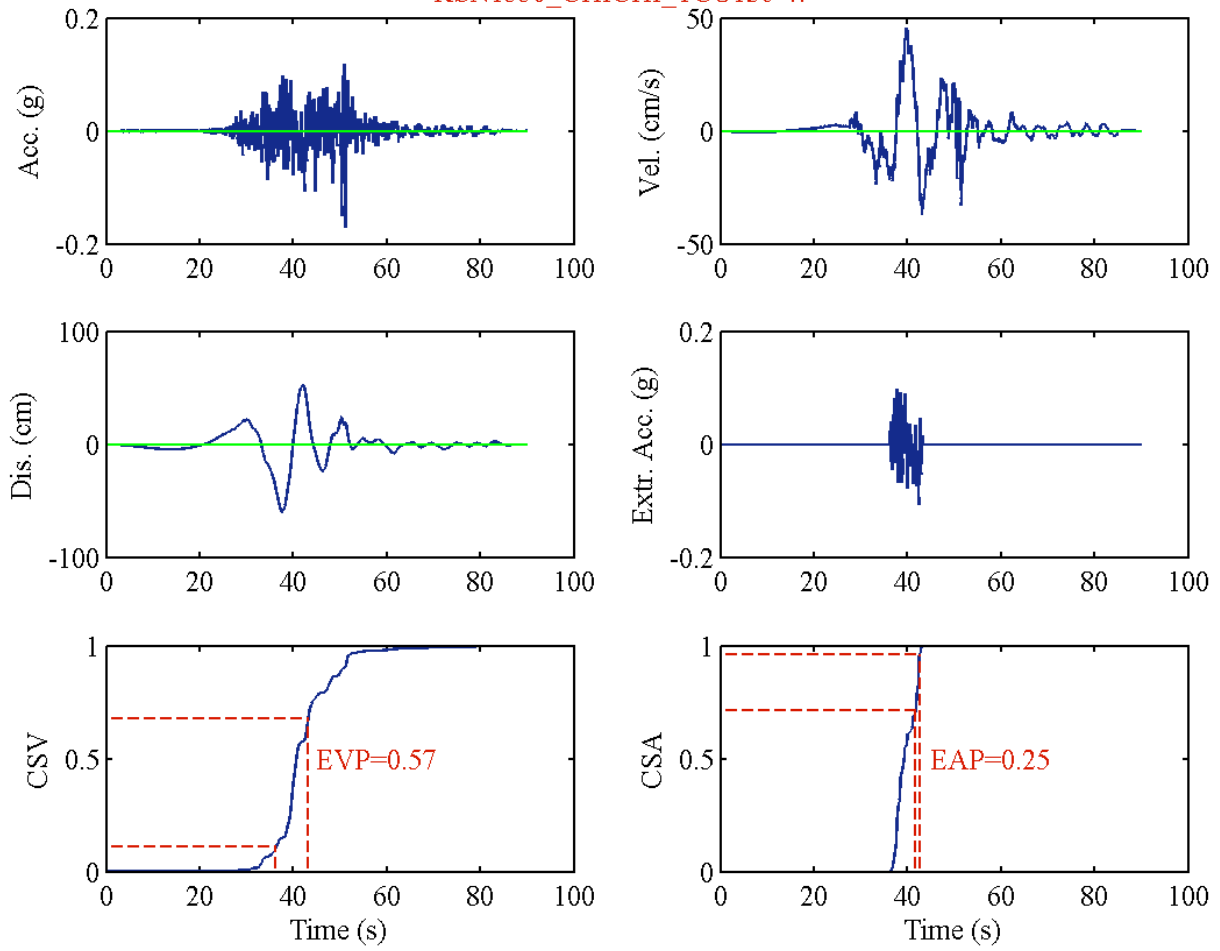
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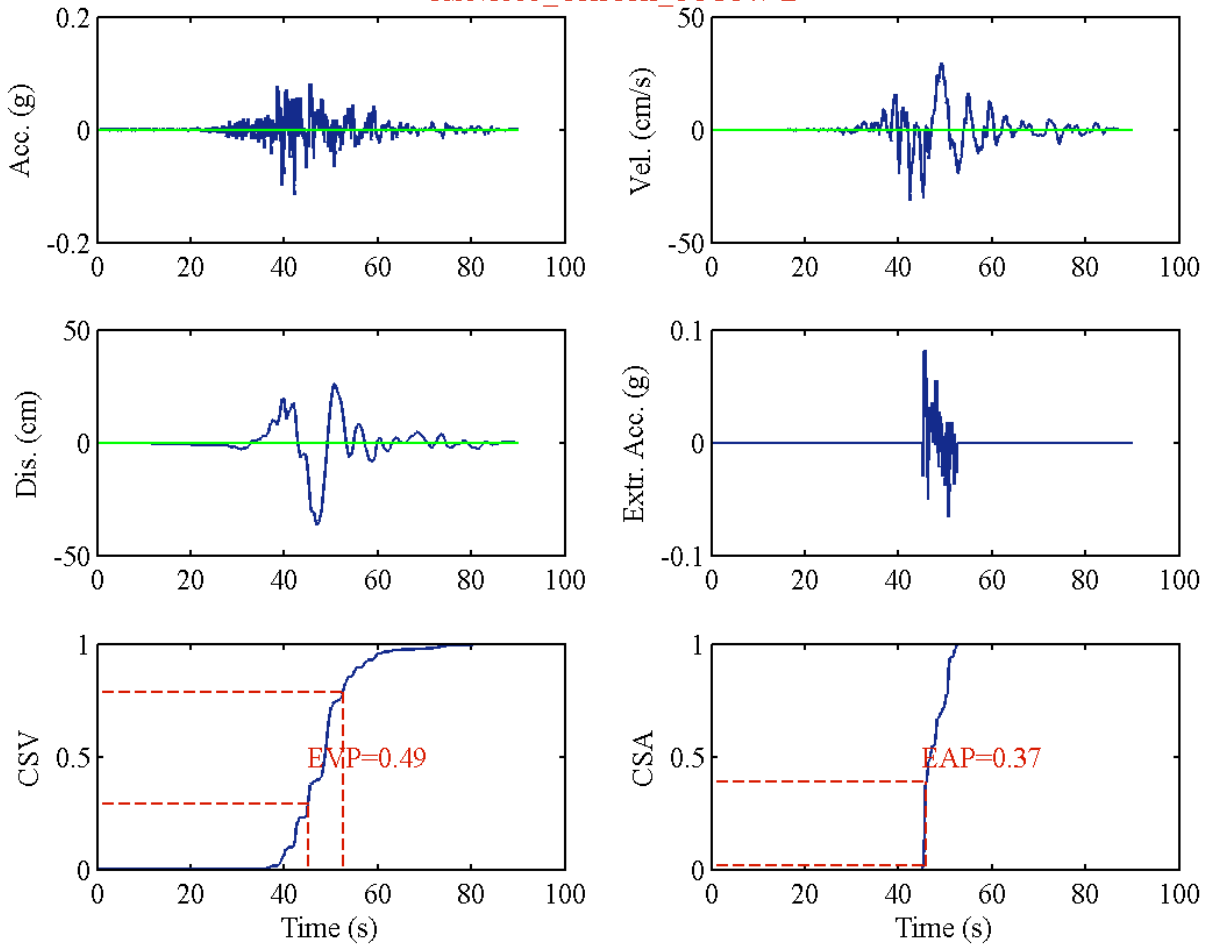
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RSN1550\_CHICHI\_TCU136-W

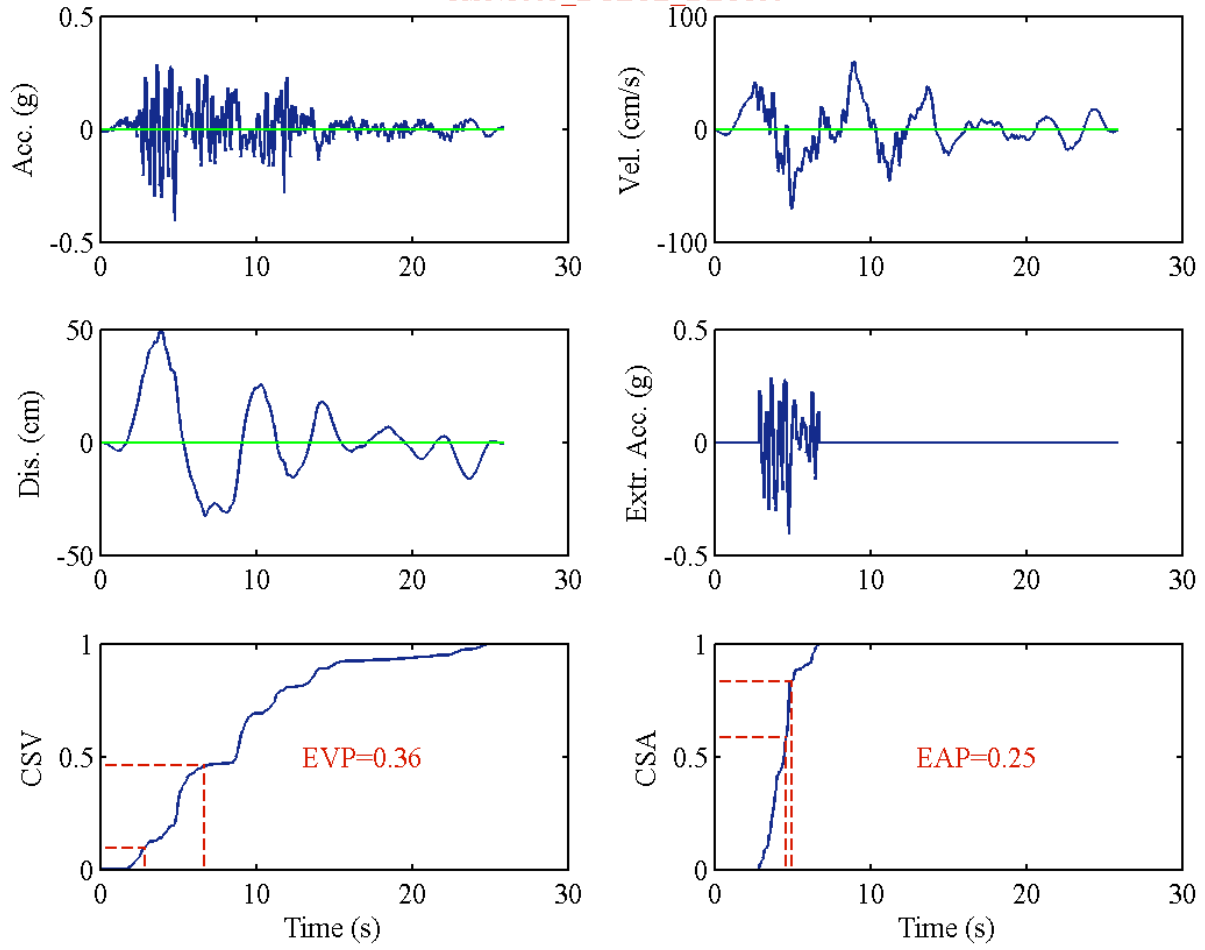


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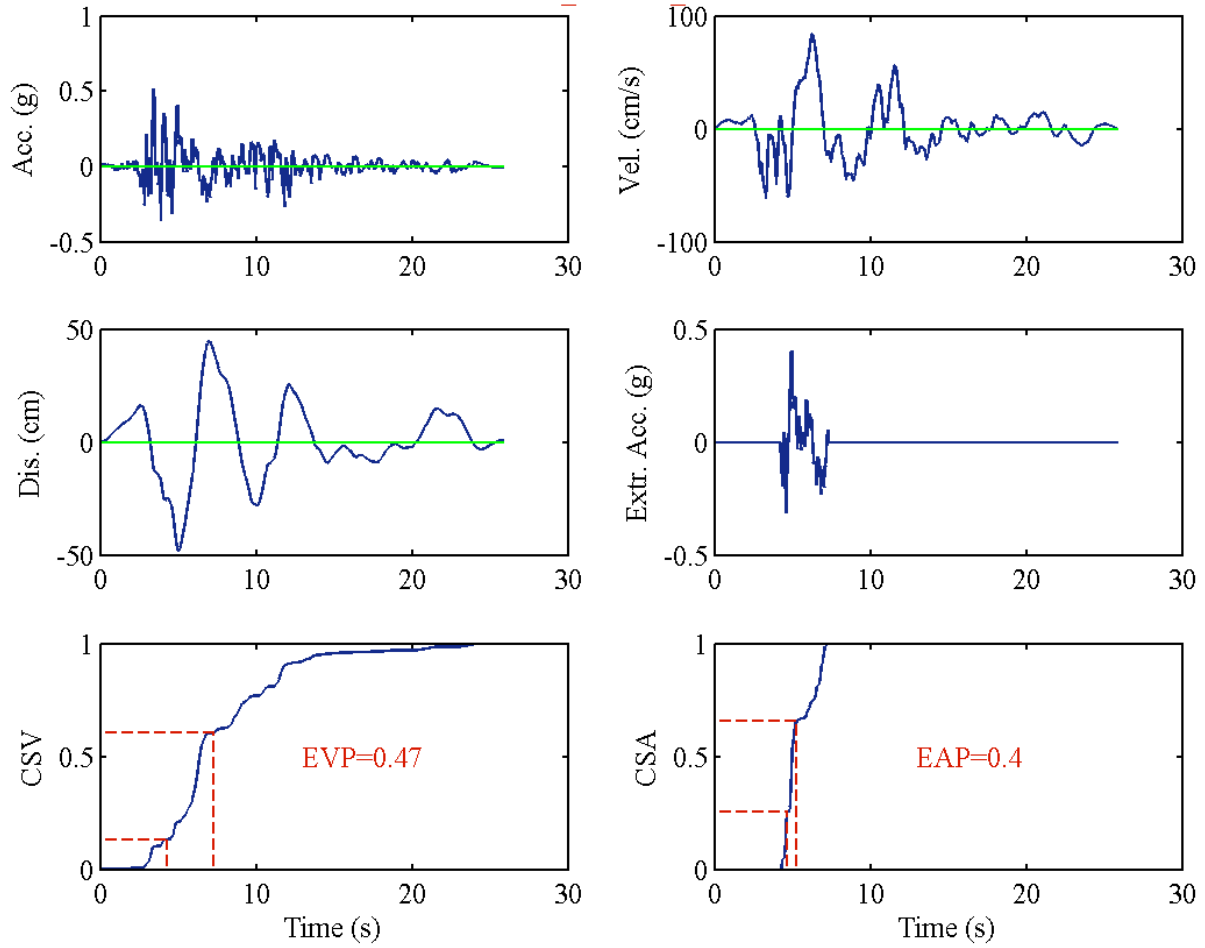




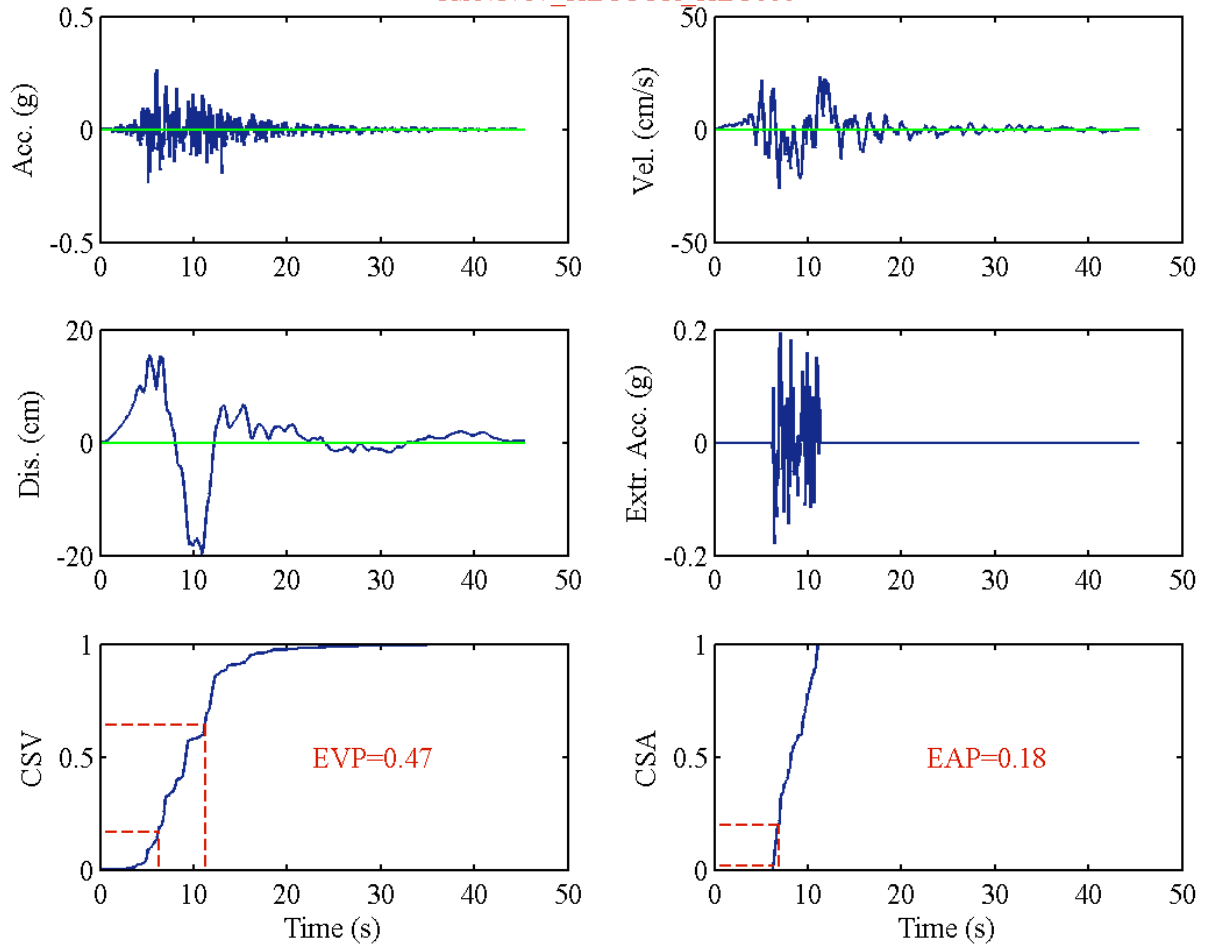
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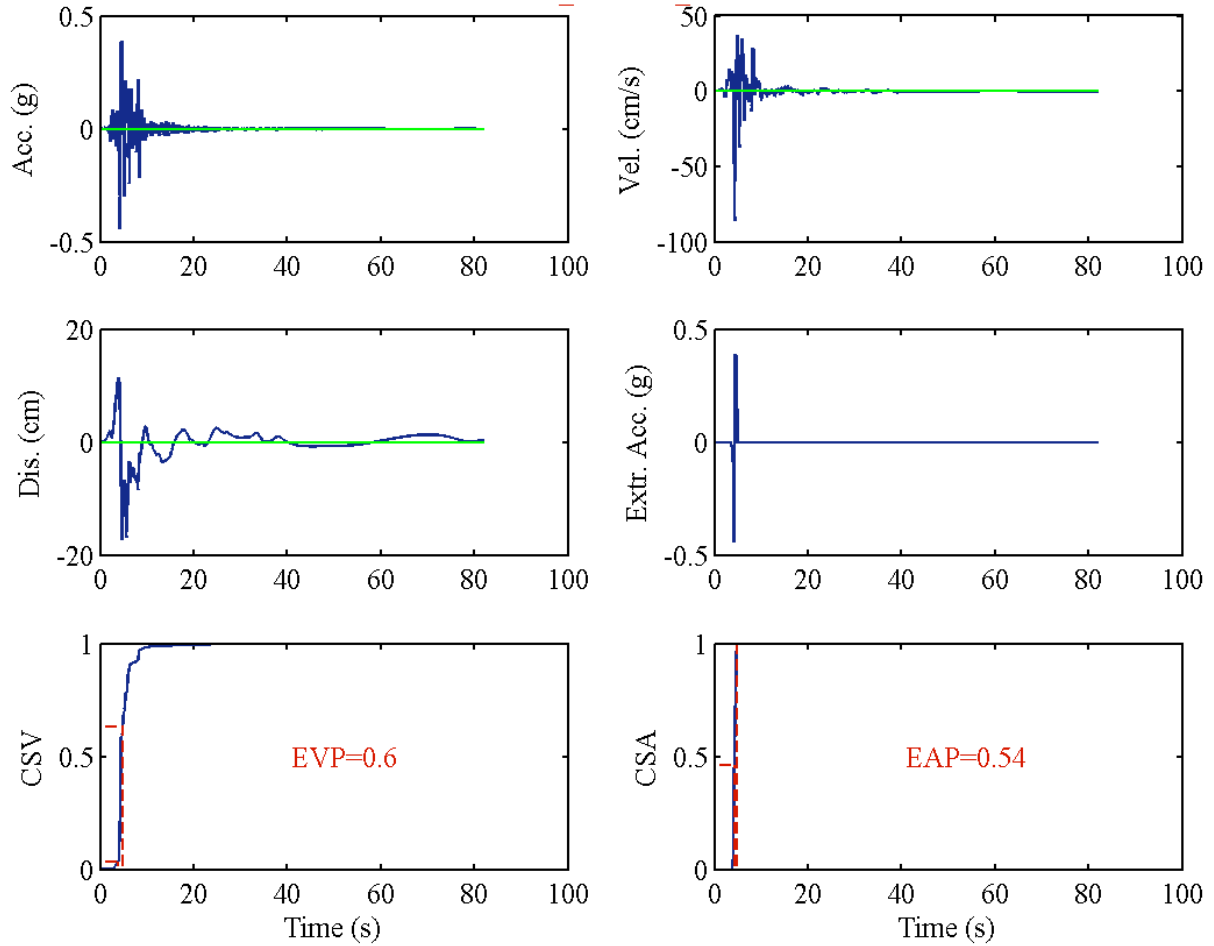
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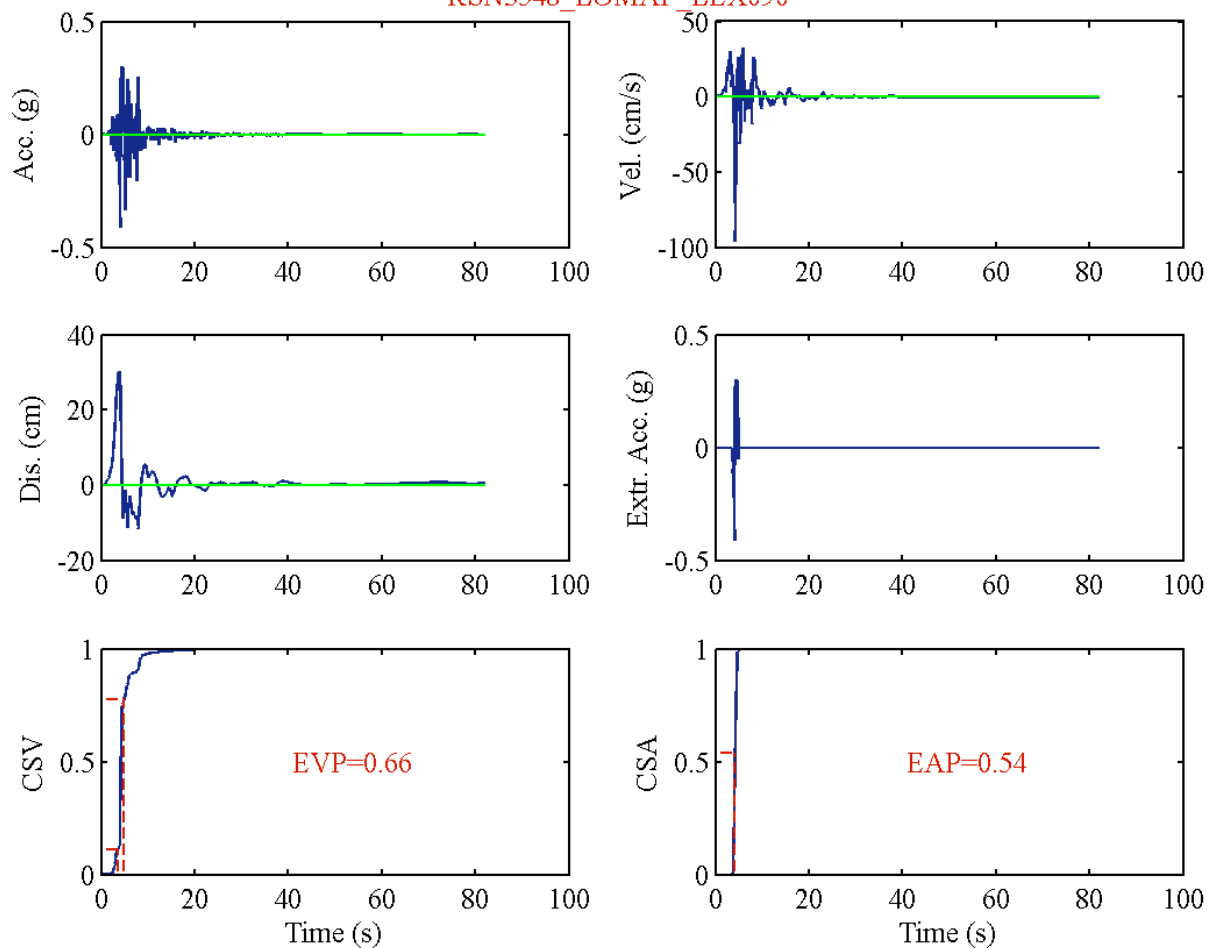
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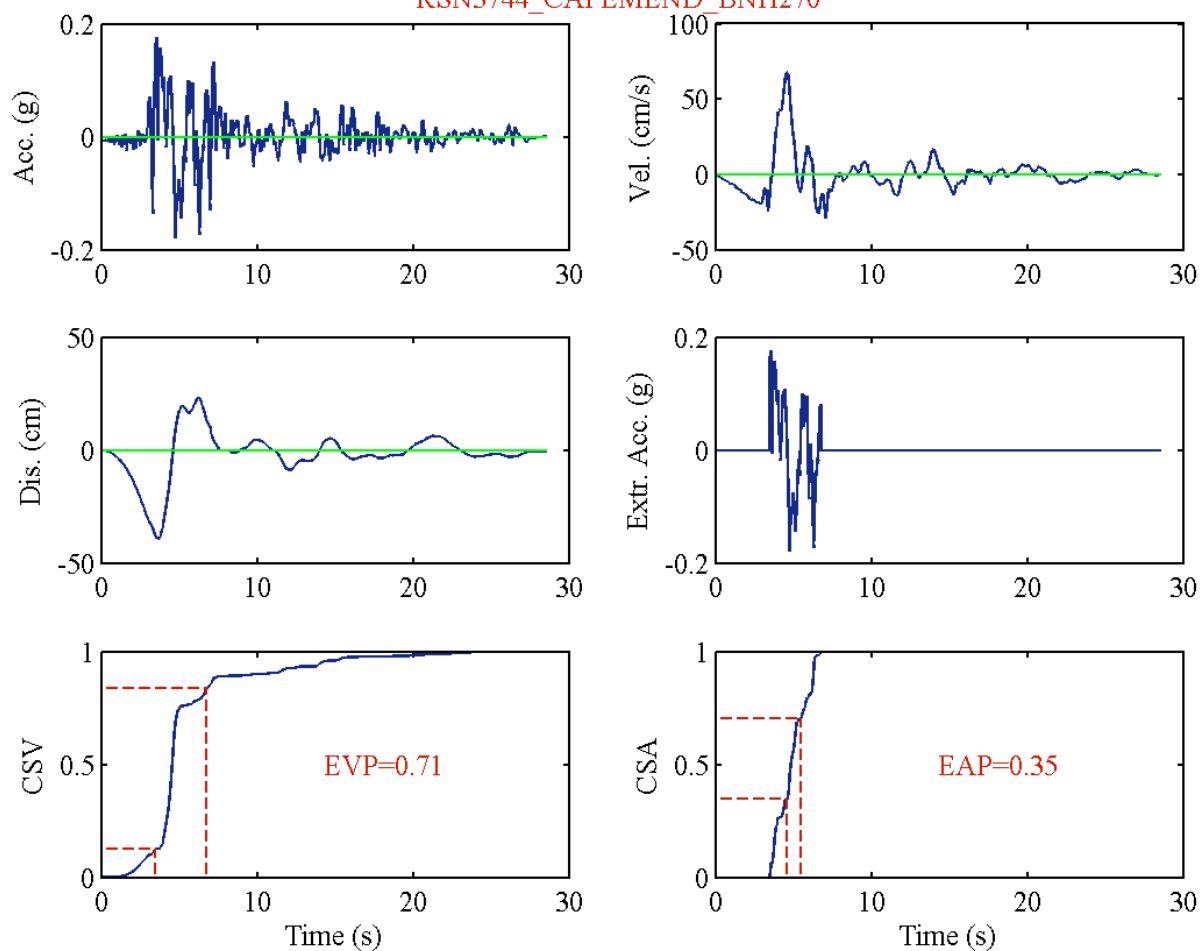
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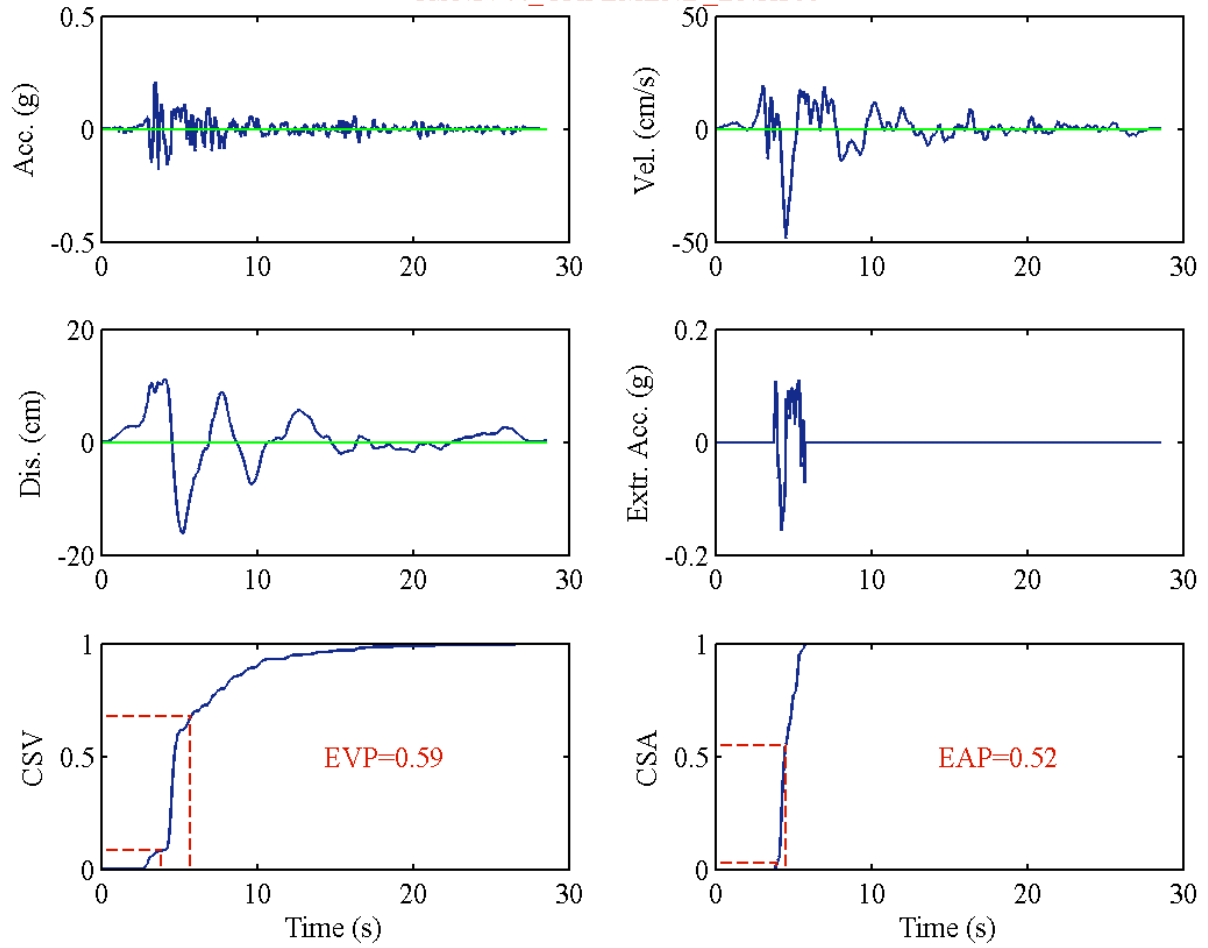
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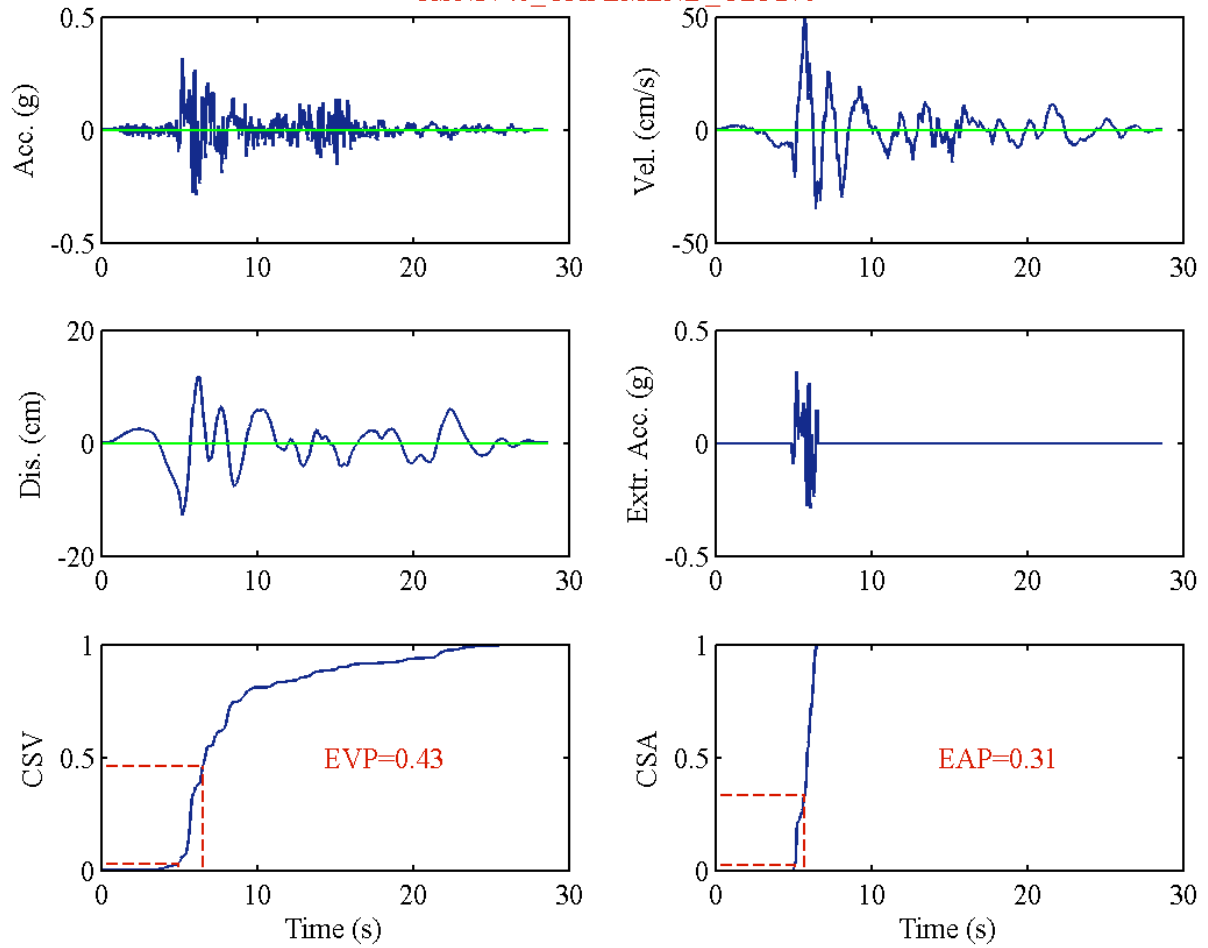
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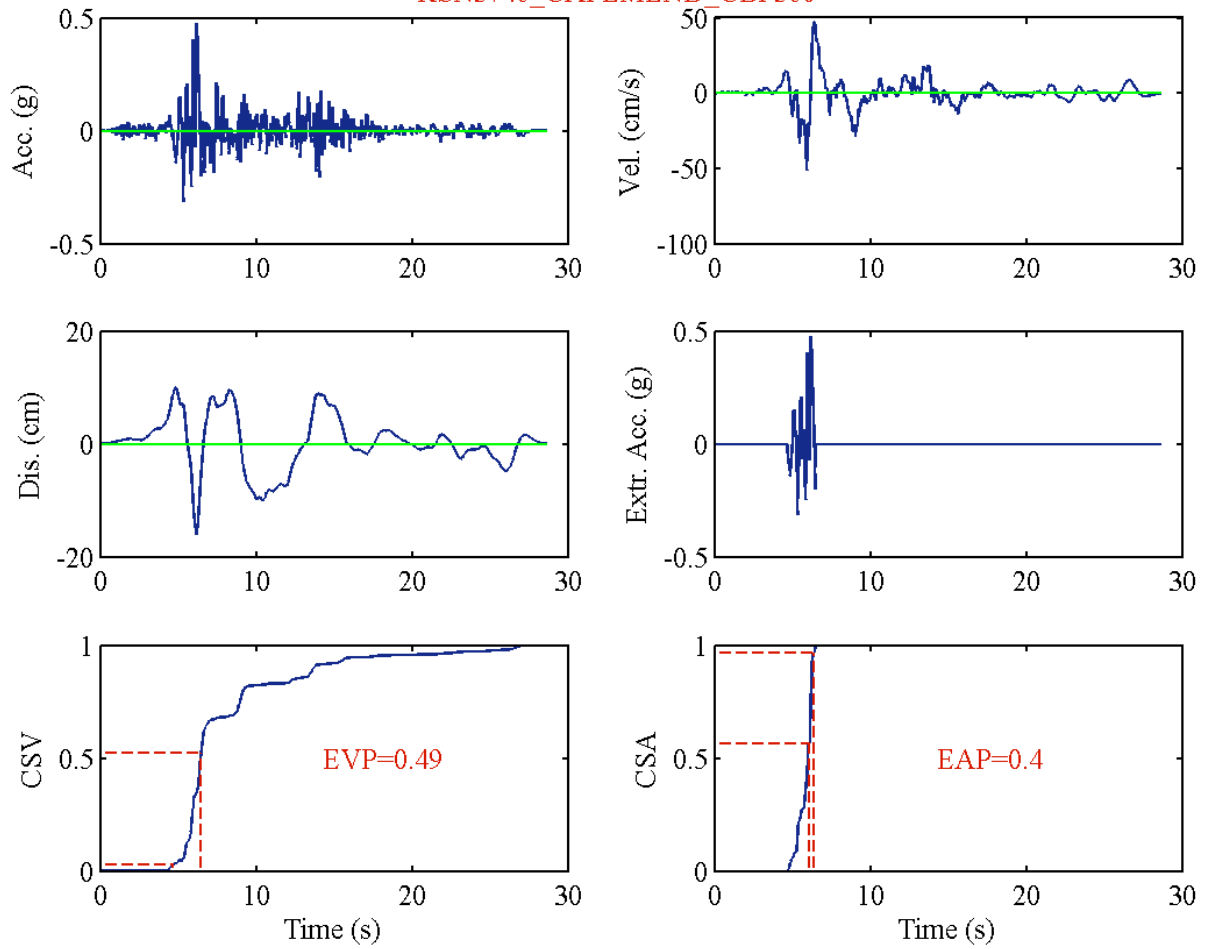
RSN3744\_CAPEMEND\_BNH360



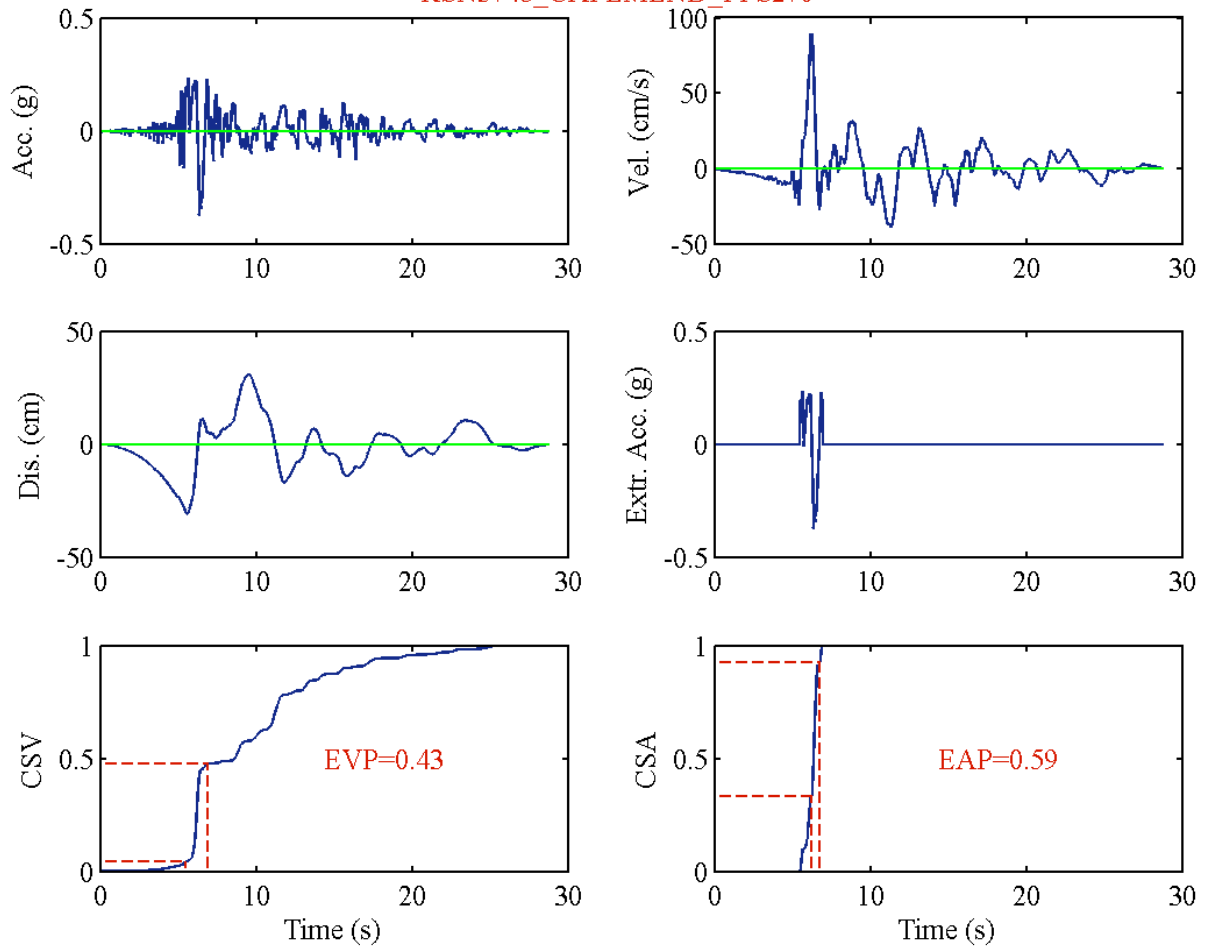
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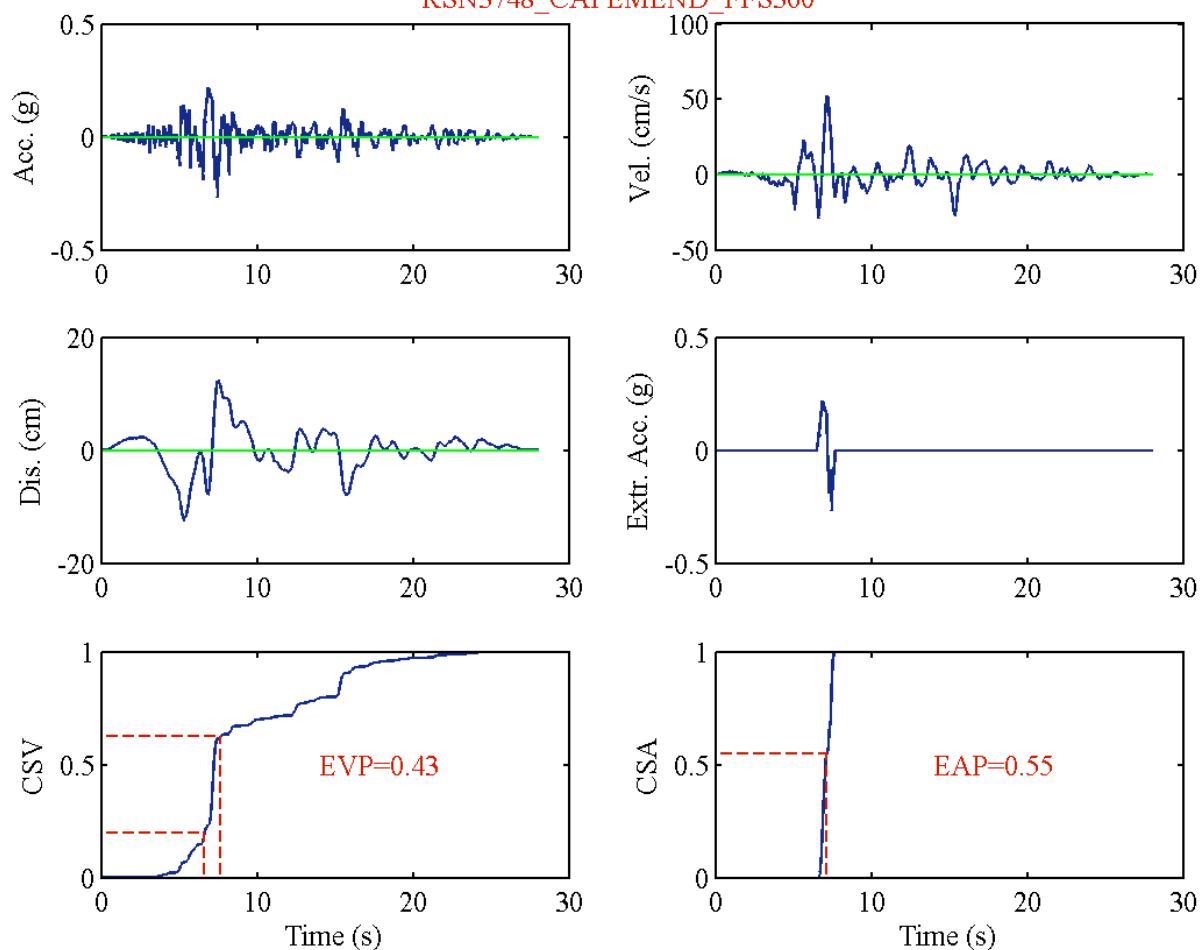
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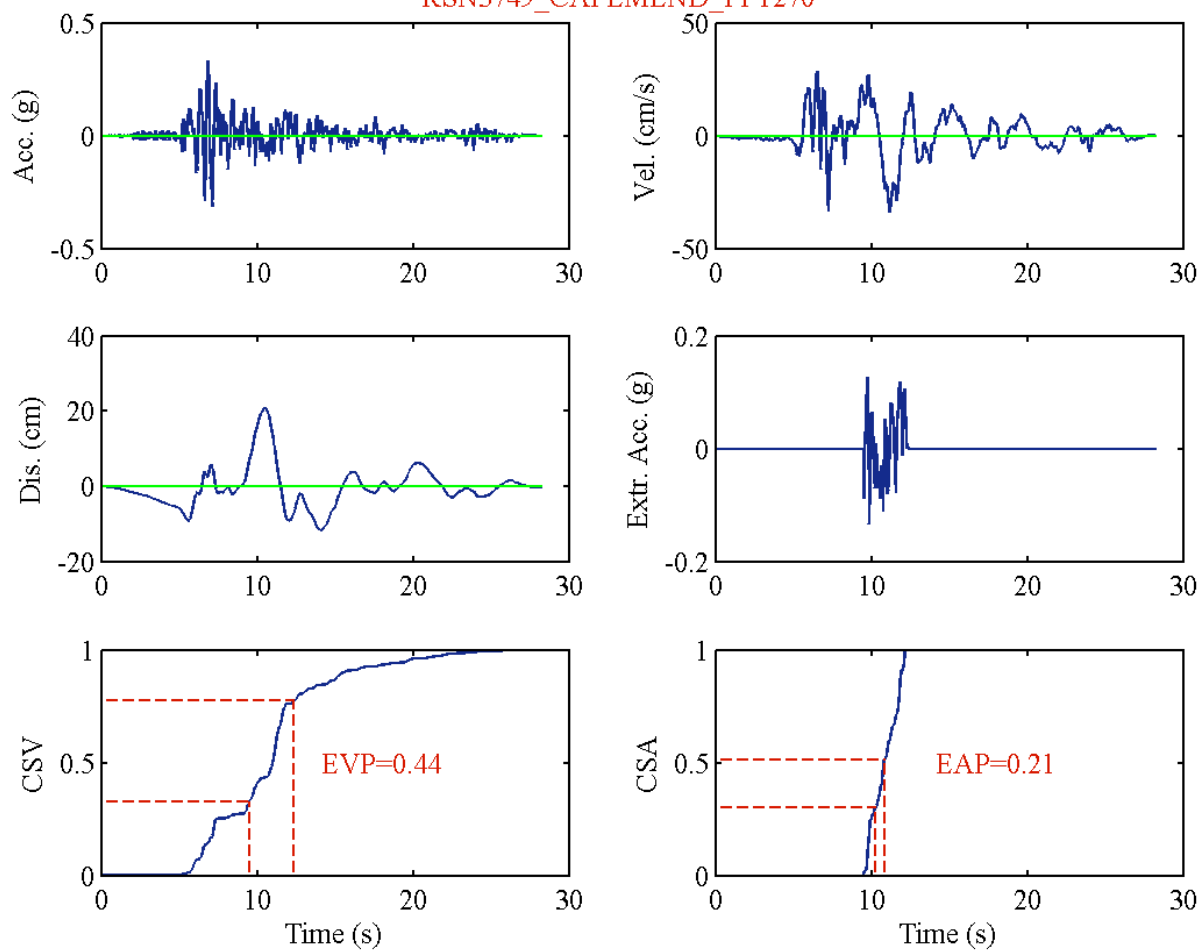
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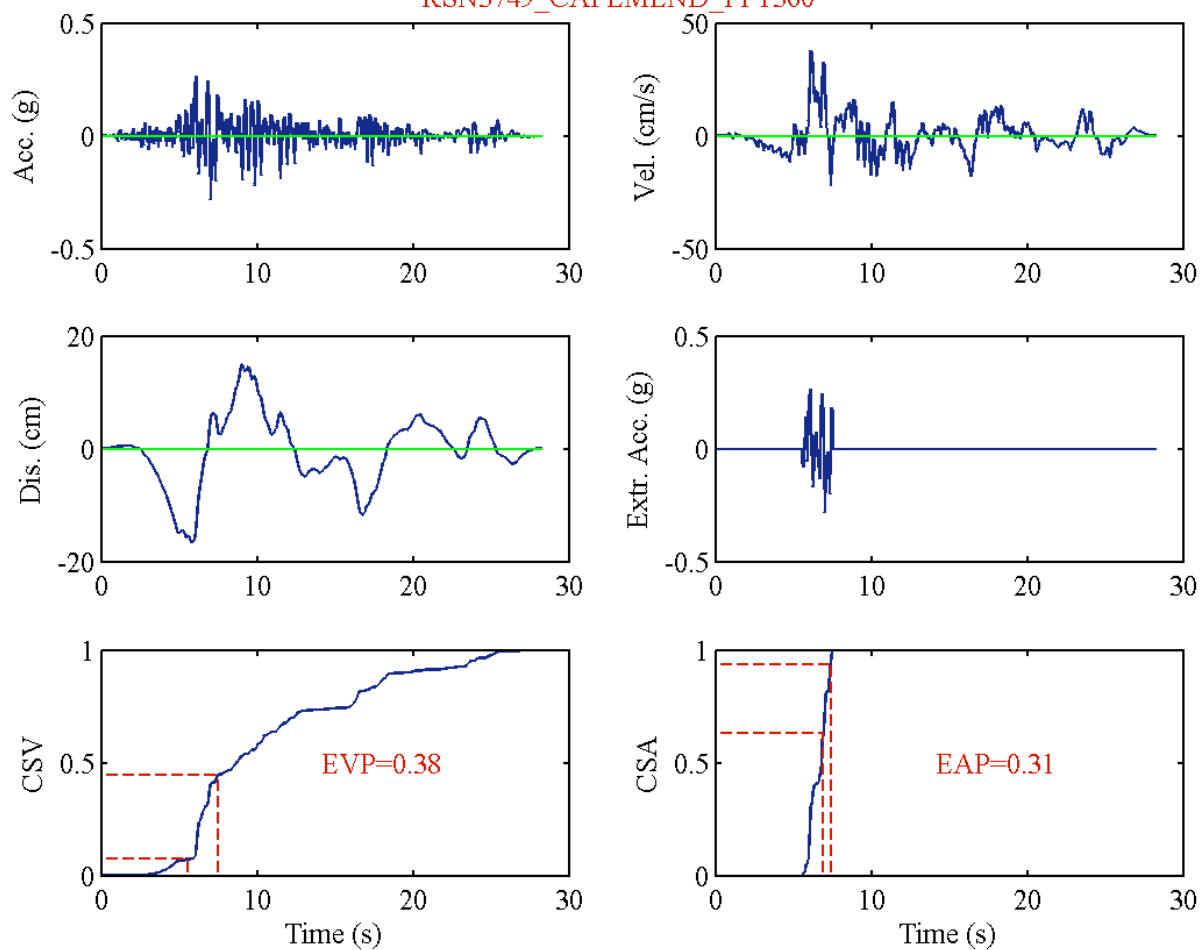
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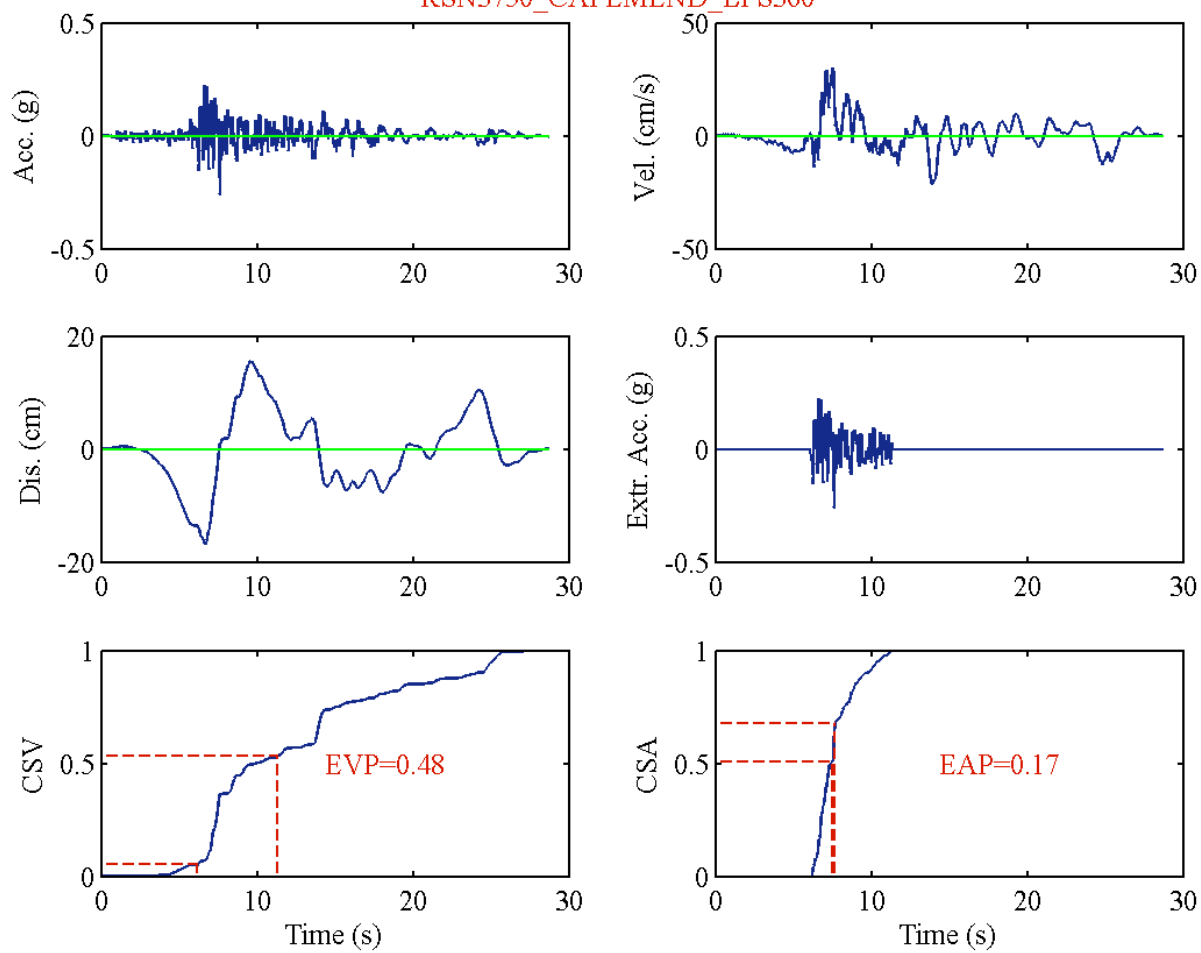
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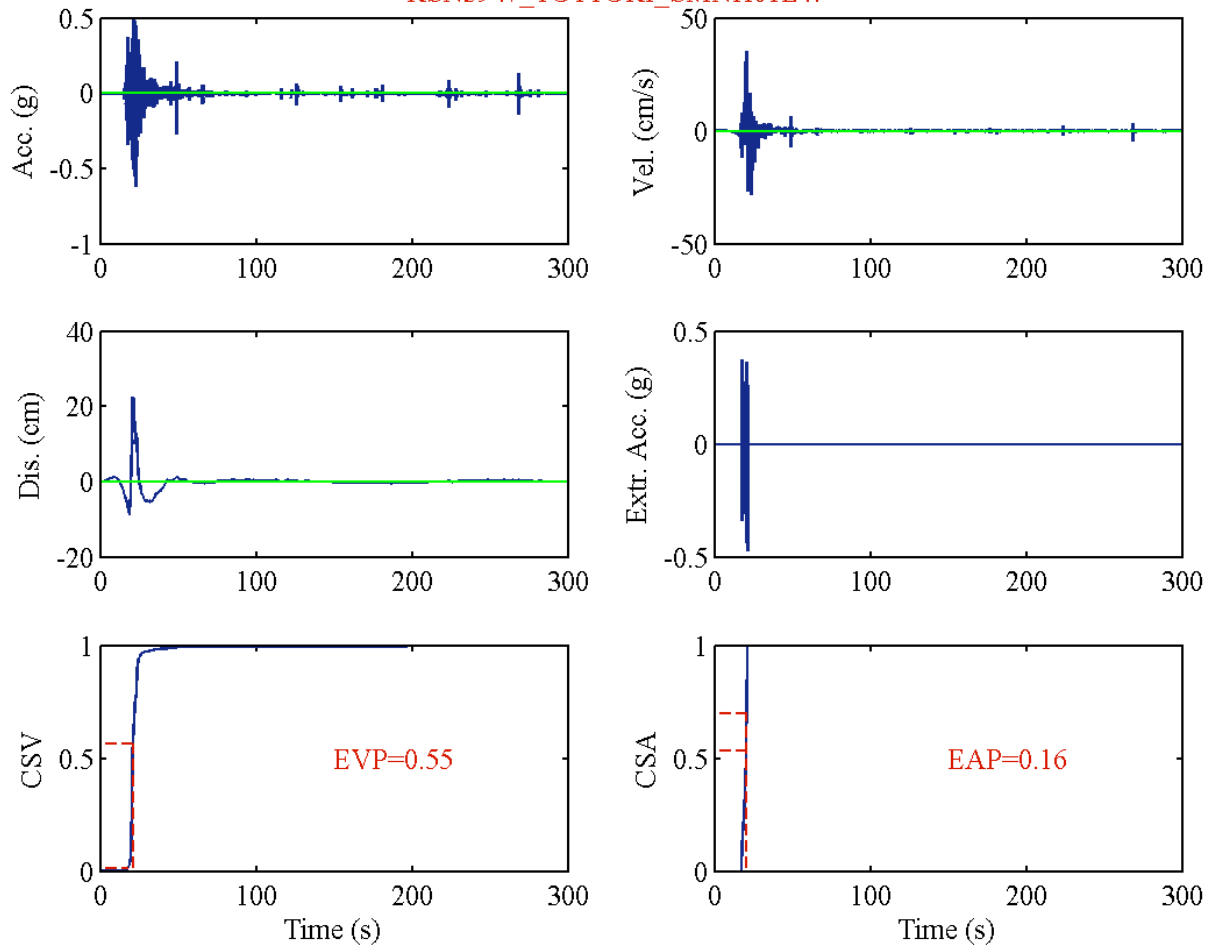
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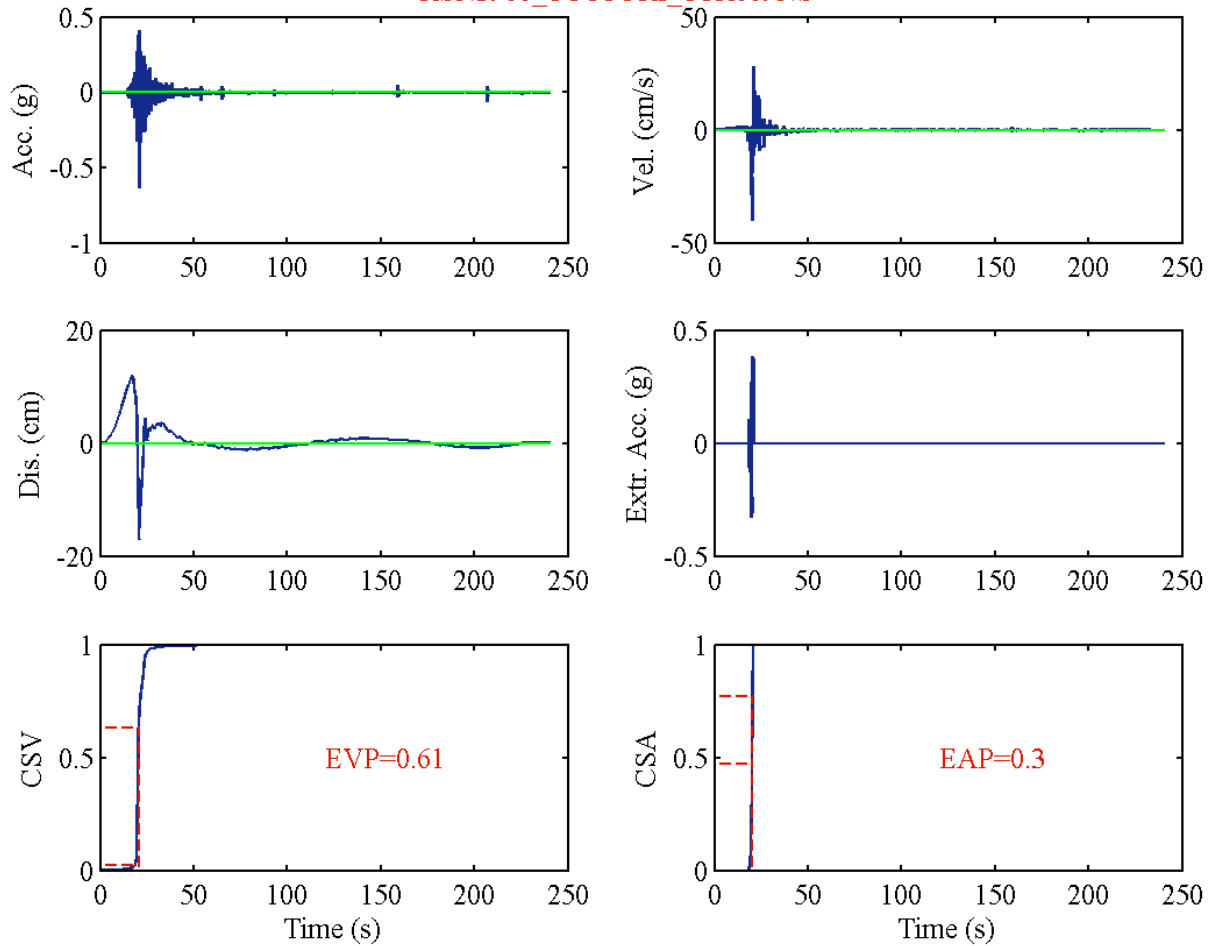
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RSN3947\_TOTTORI\_SMNH01EW

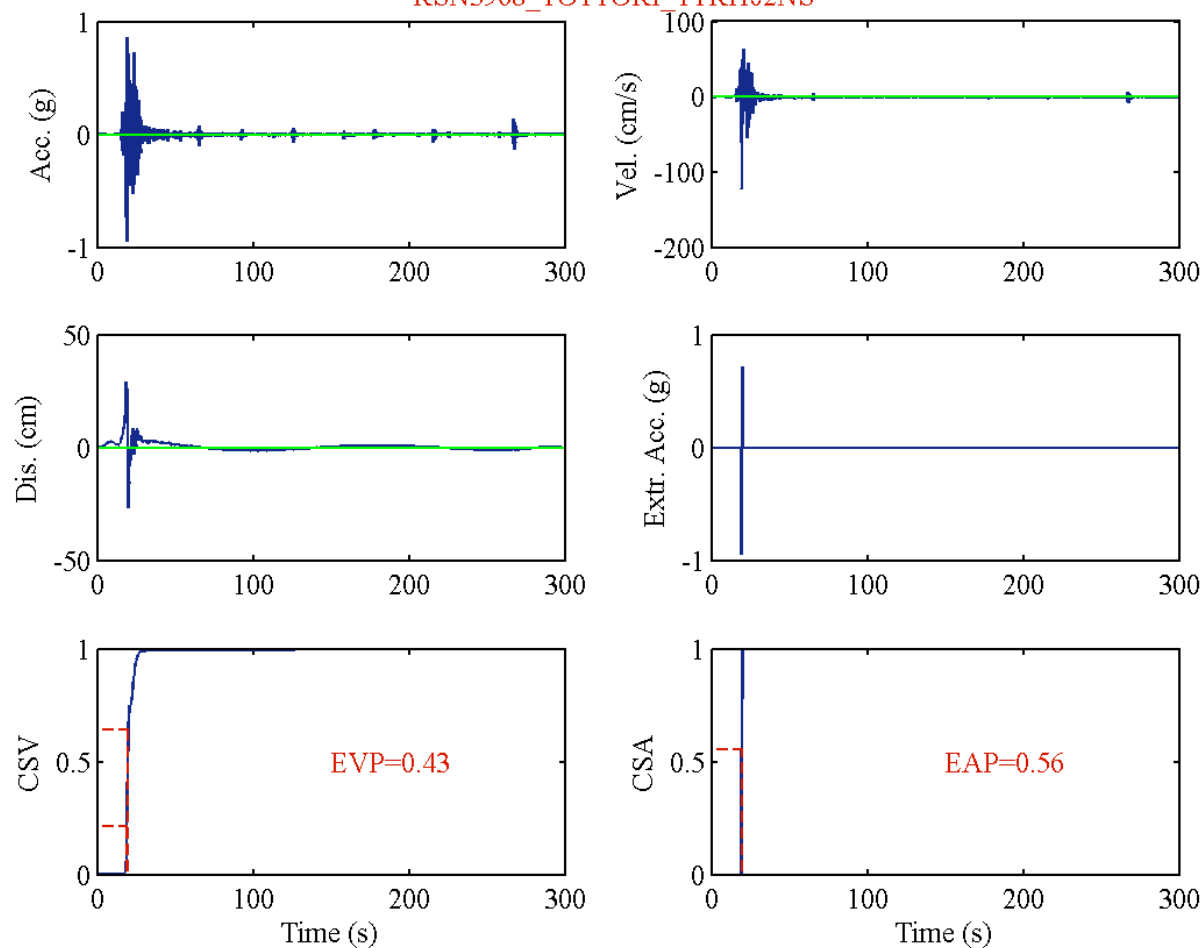


RSN3966\_TOTTORI\_TTR009NS

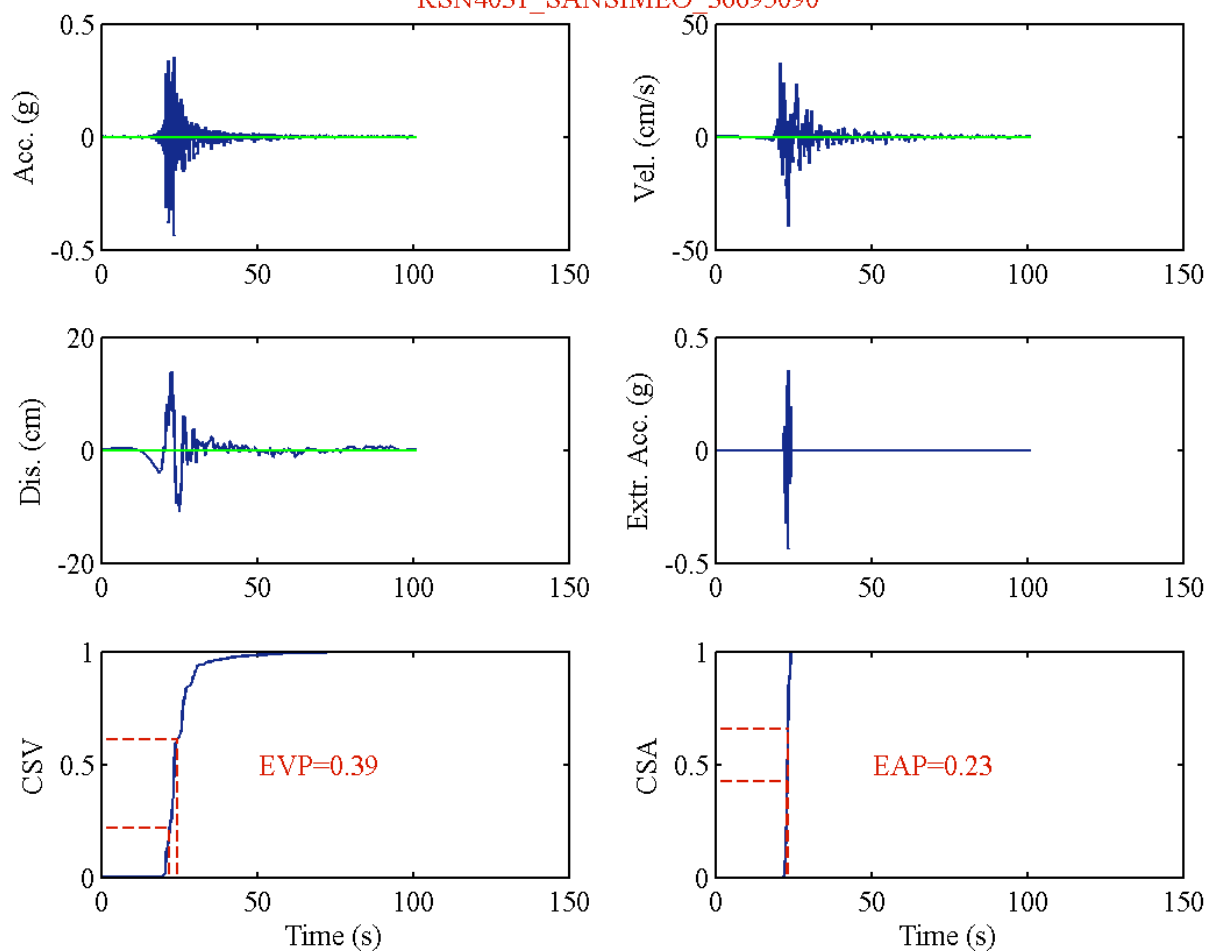


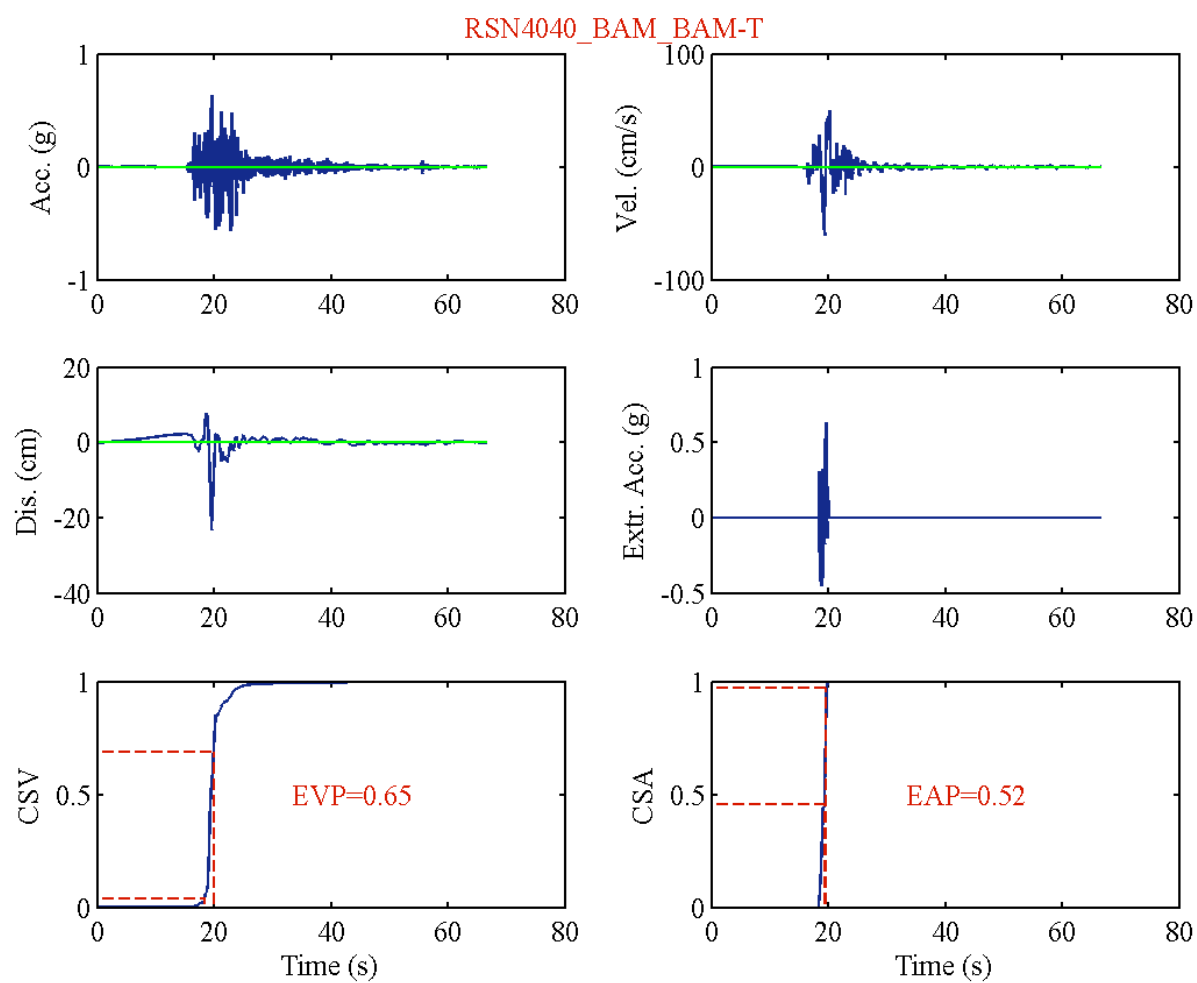
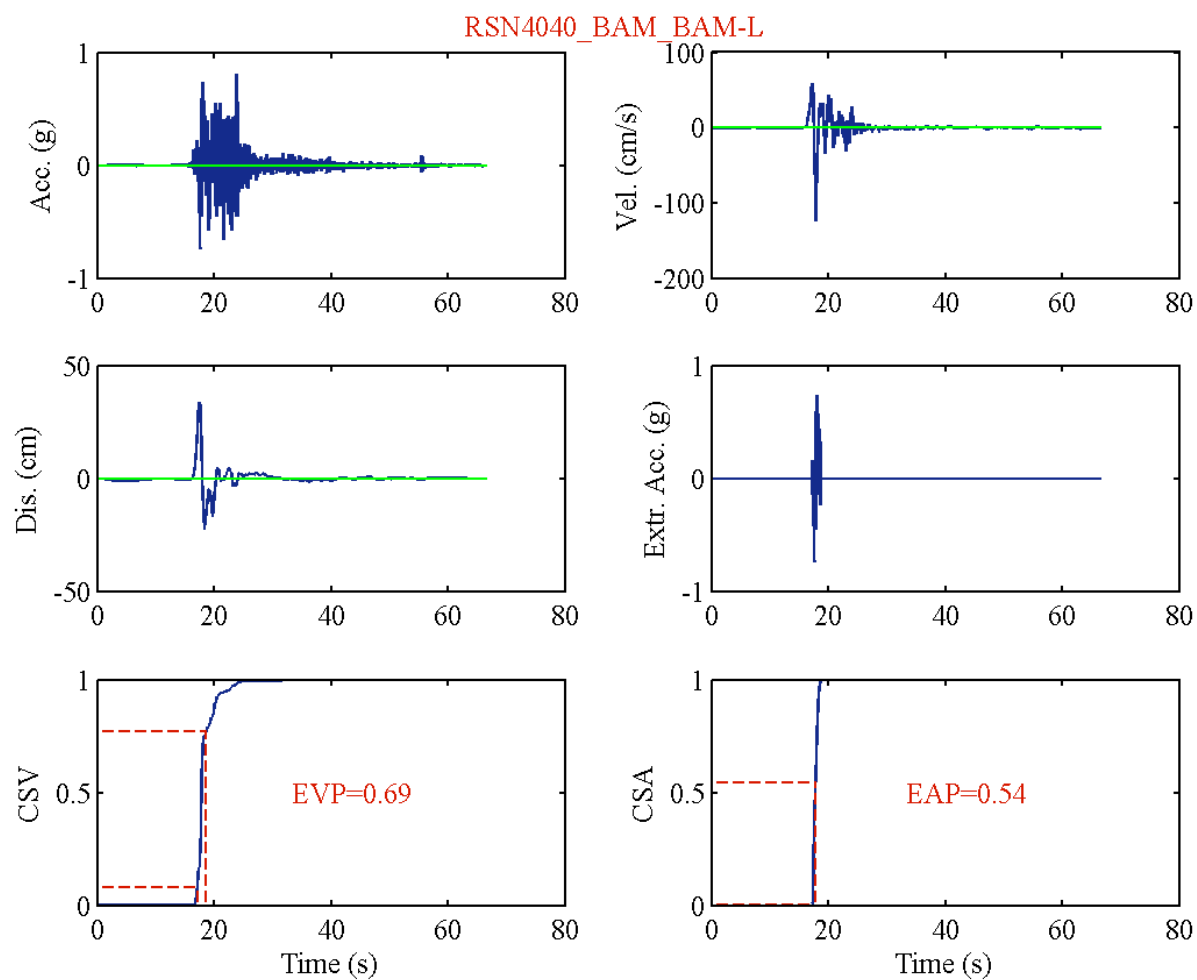


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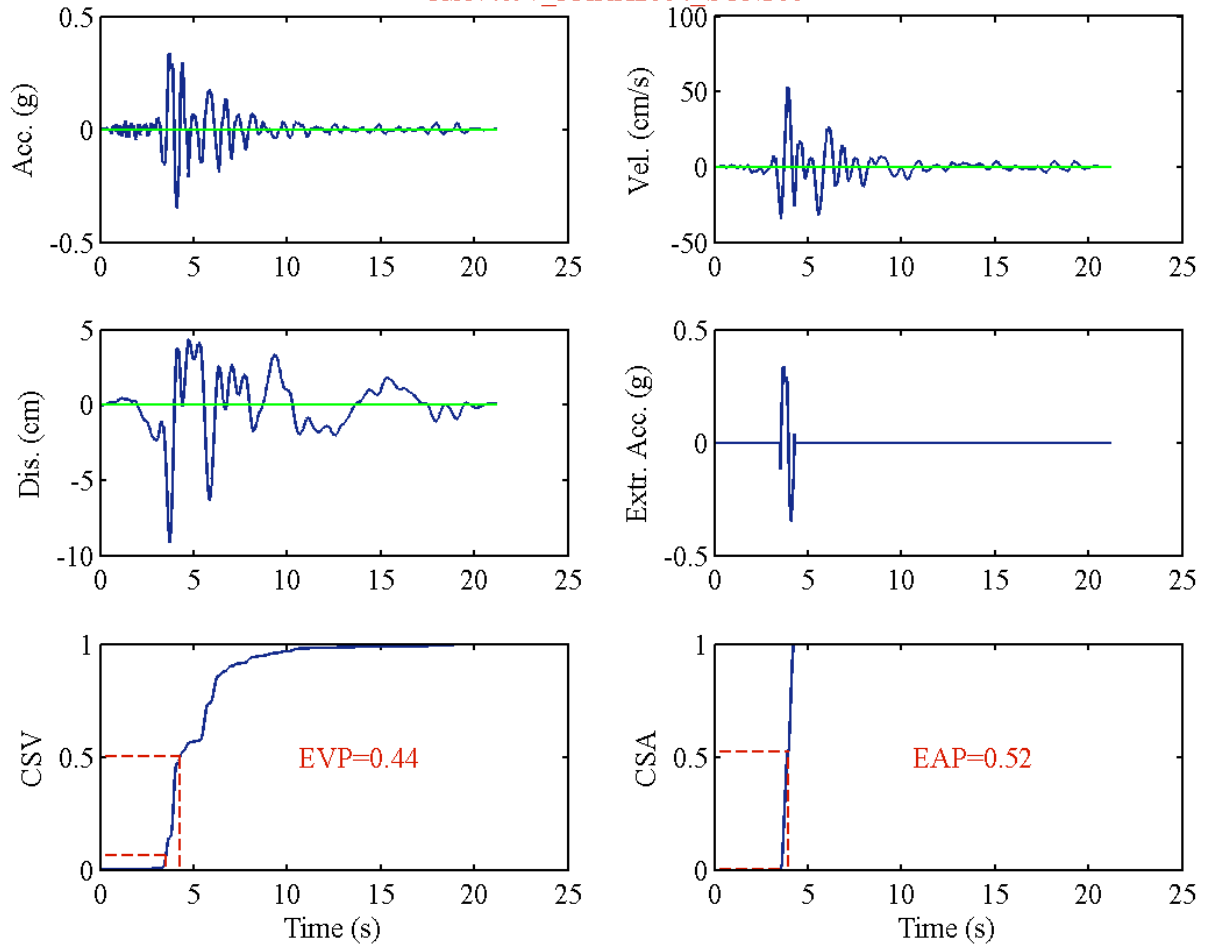


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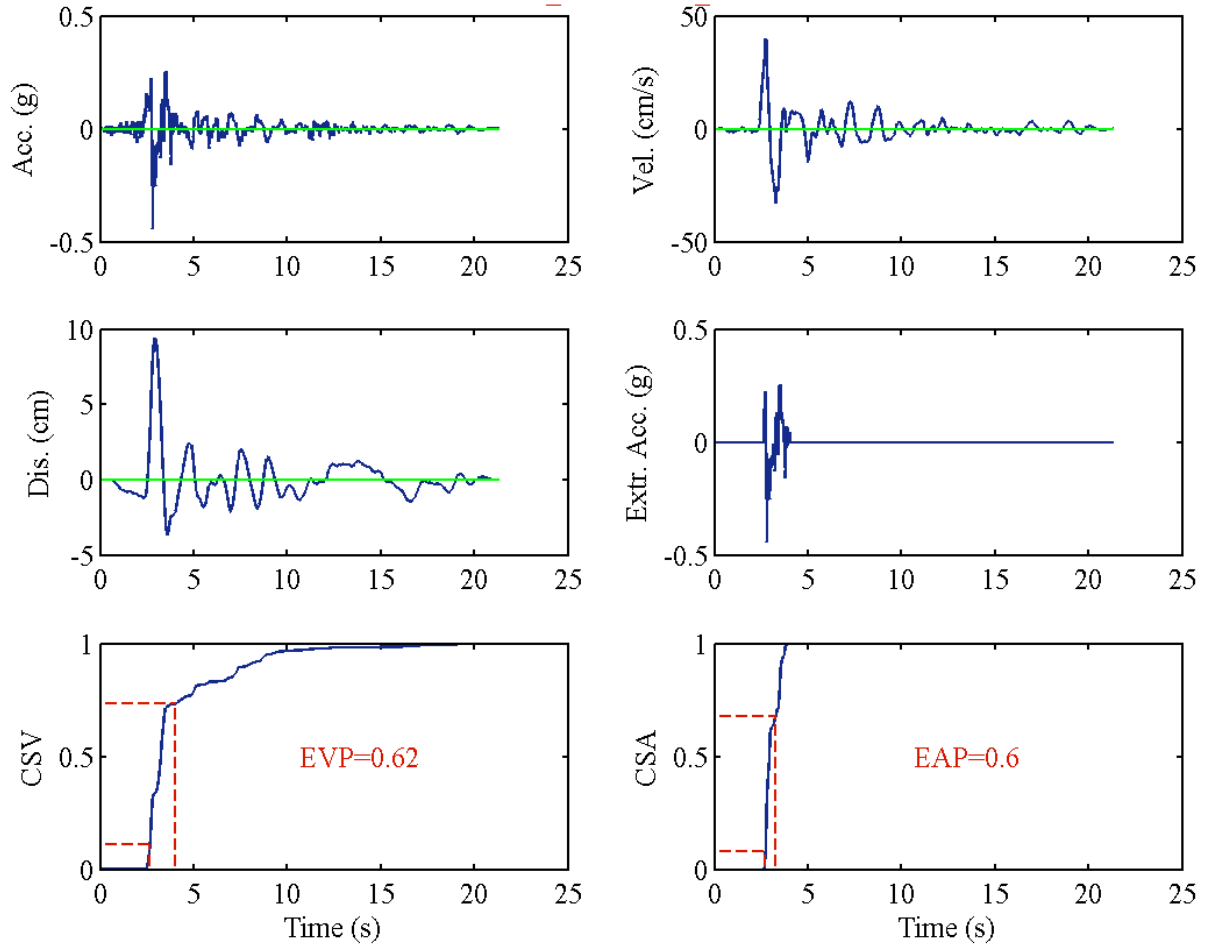




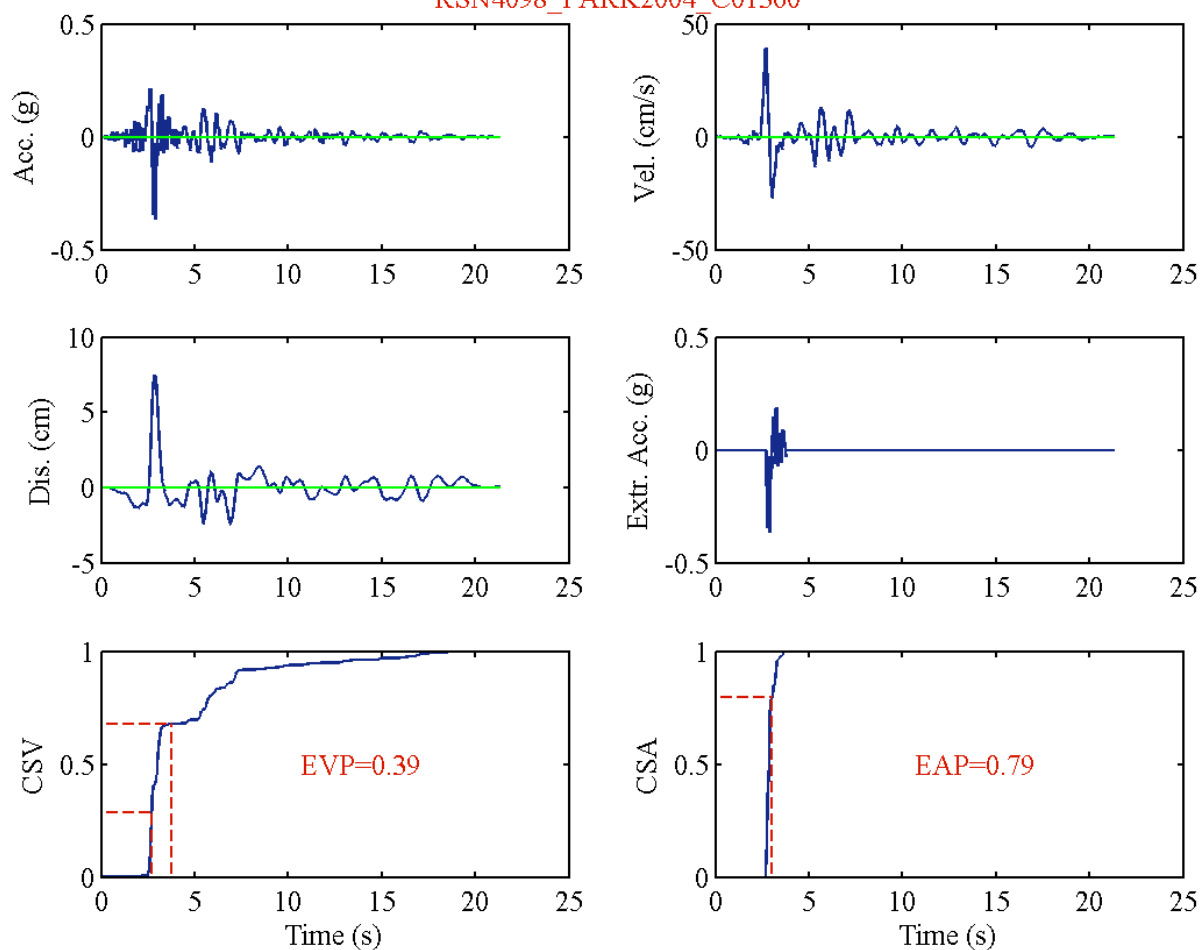
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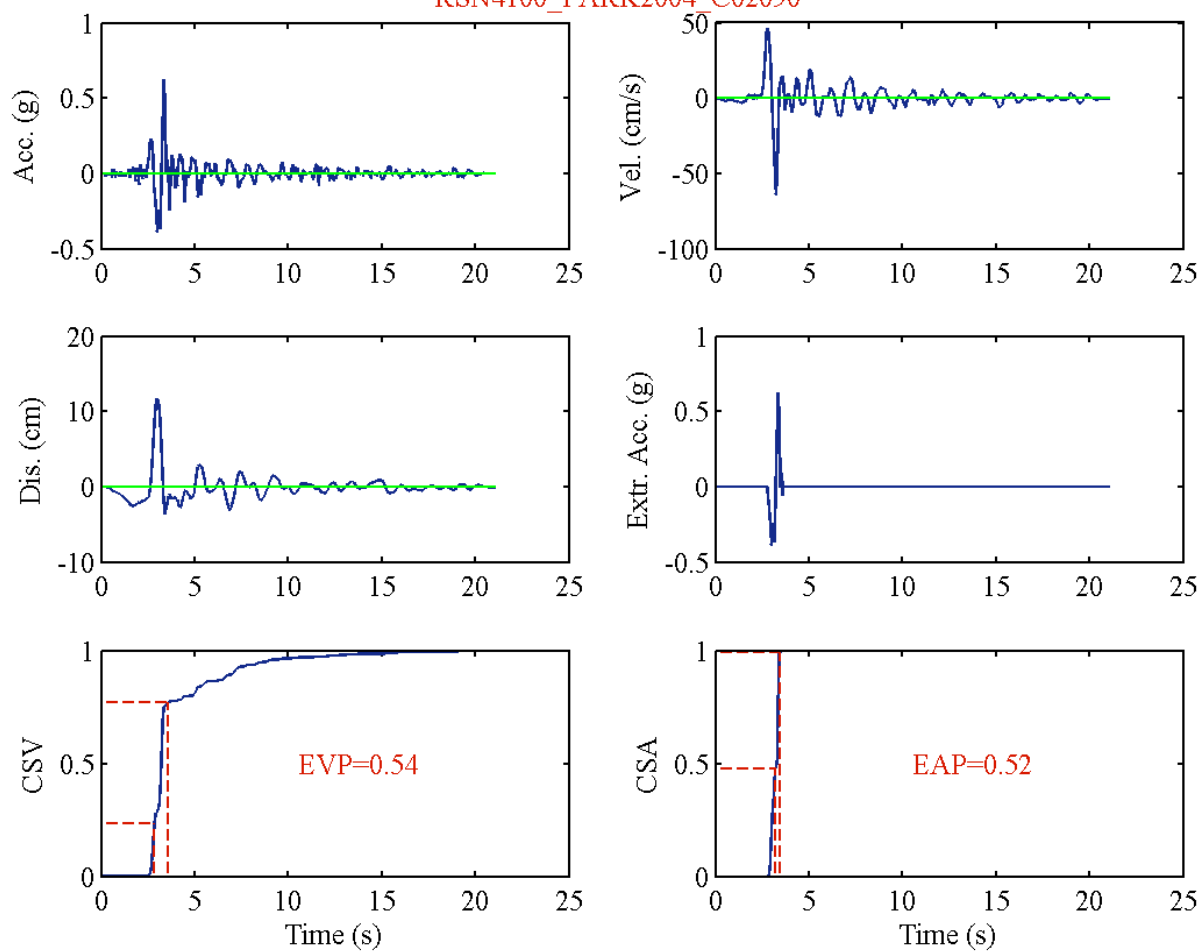
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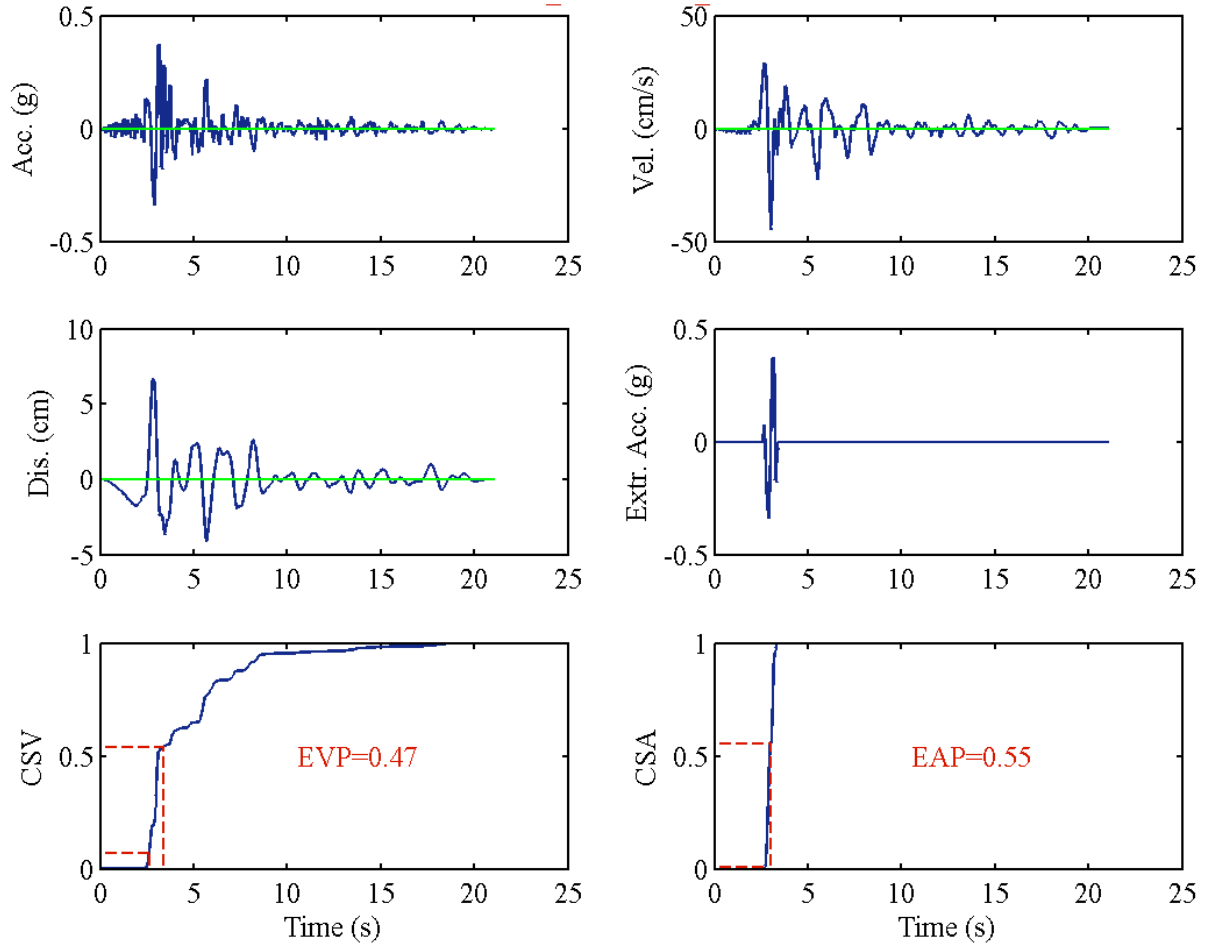
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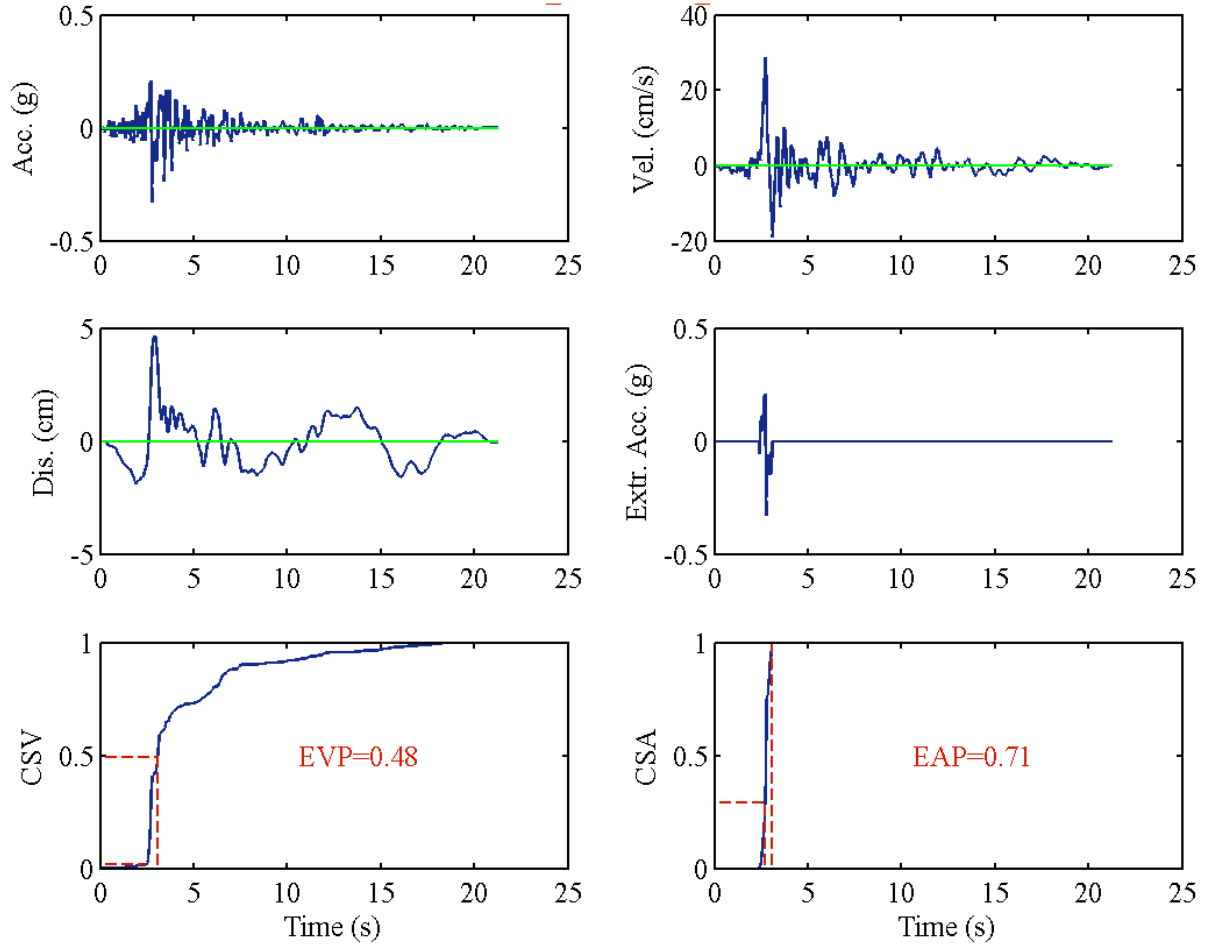
RSN4100\_PARK2004\_C02090



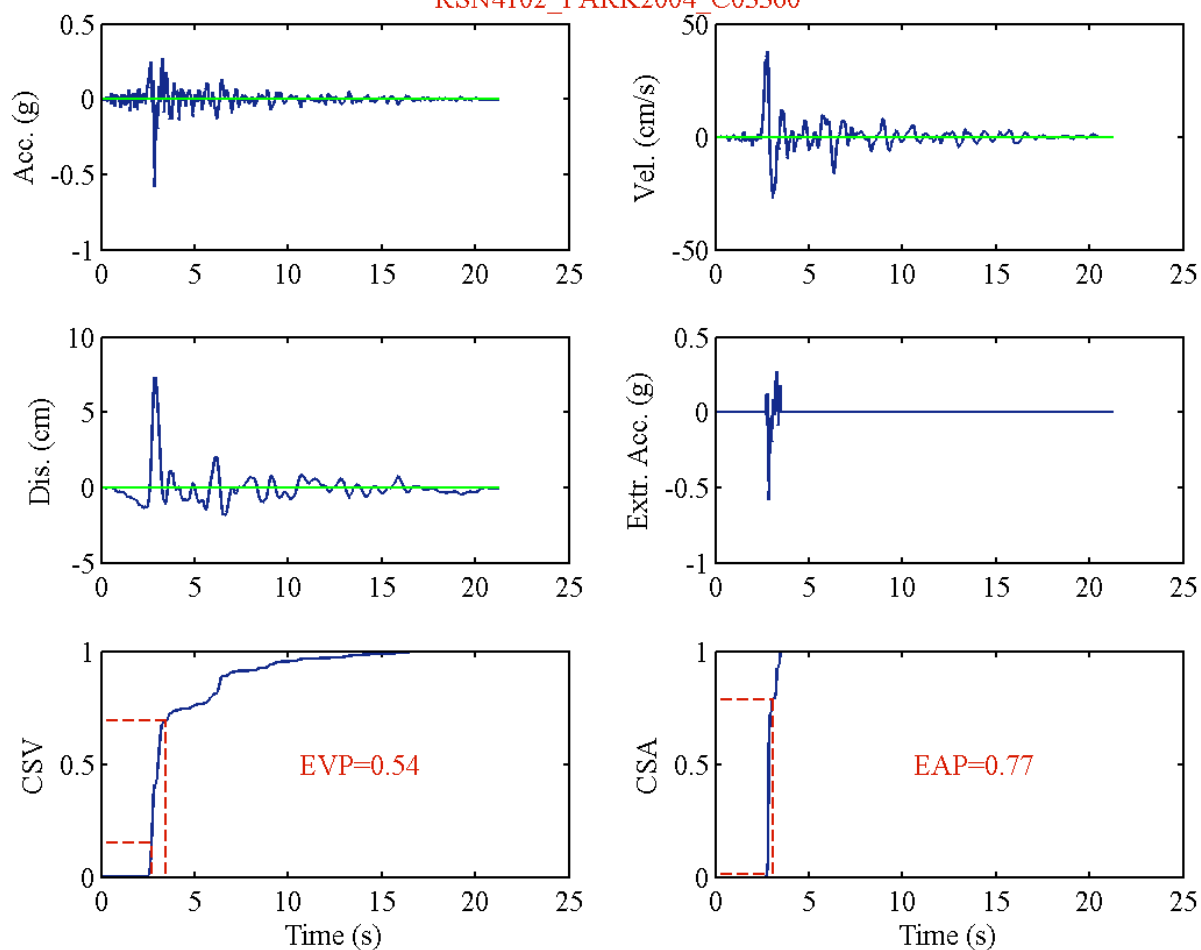
RSN4100\_PARK2004\_C02360



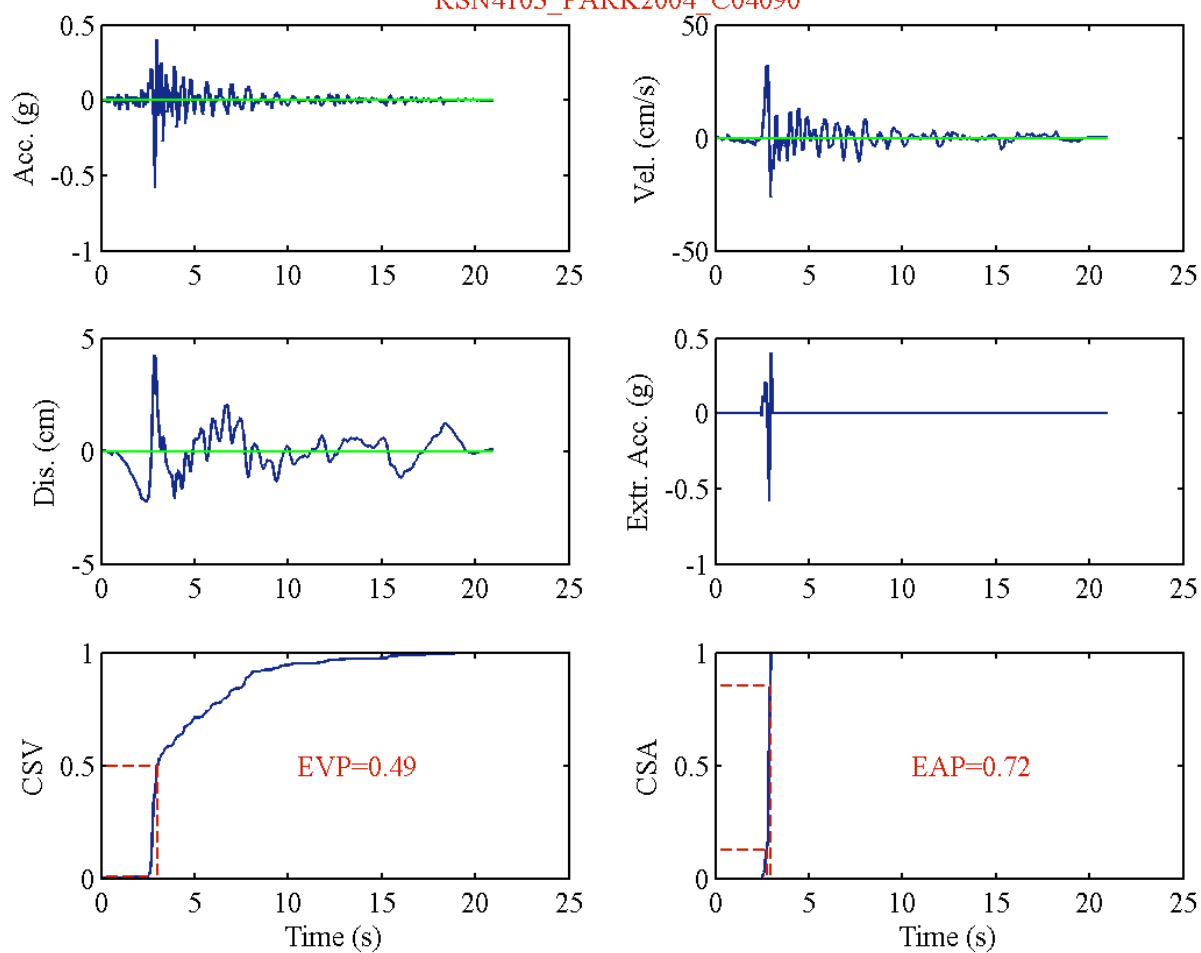
RSN4102\_PARK2004\_C03090



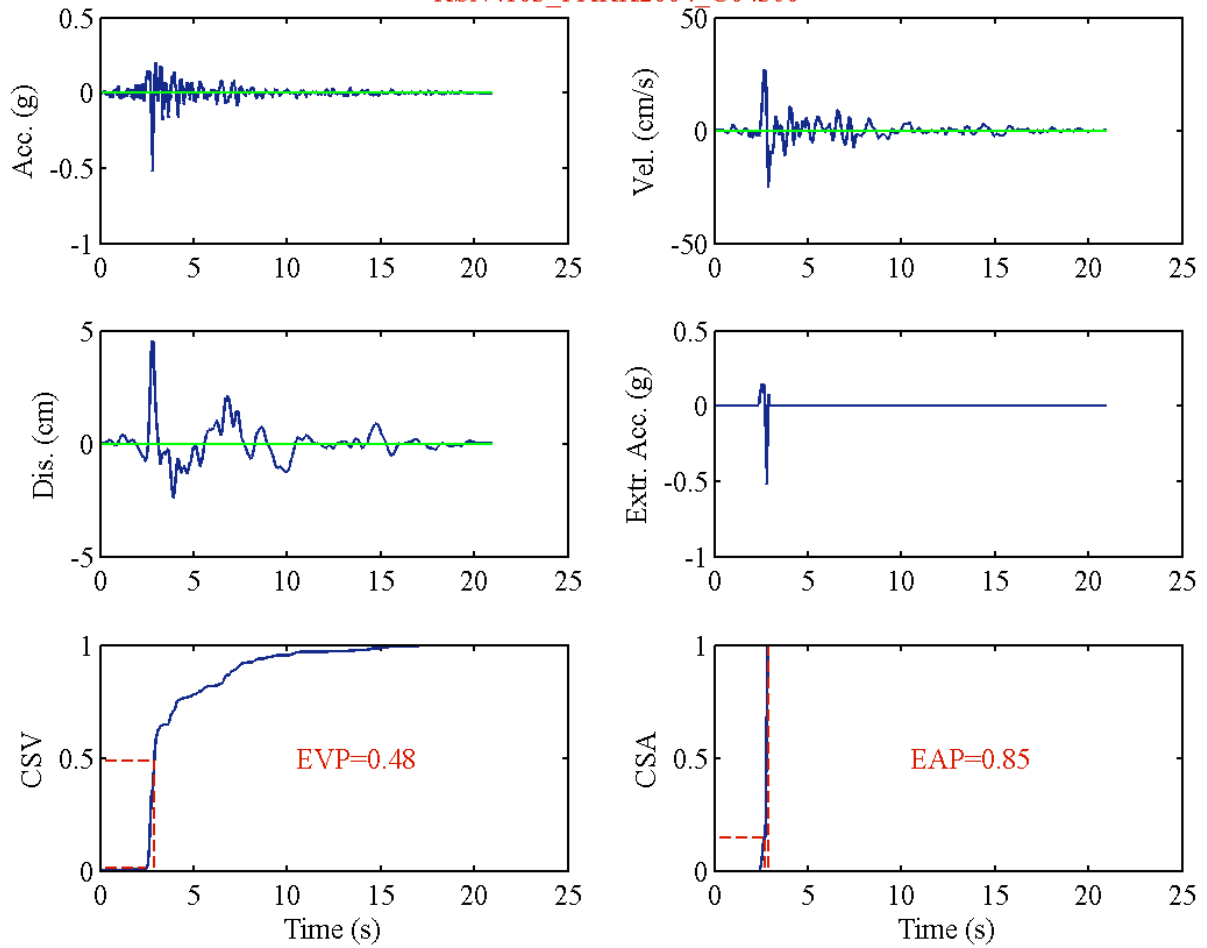
RSN4102\_PARK2004\_C03360



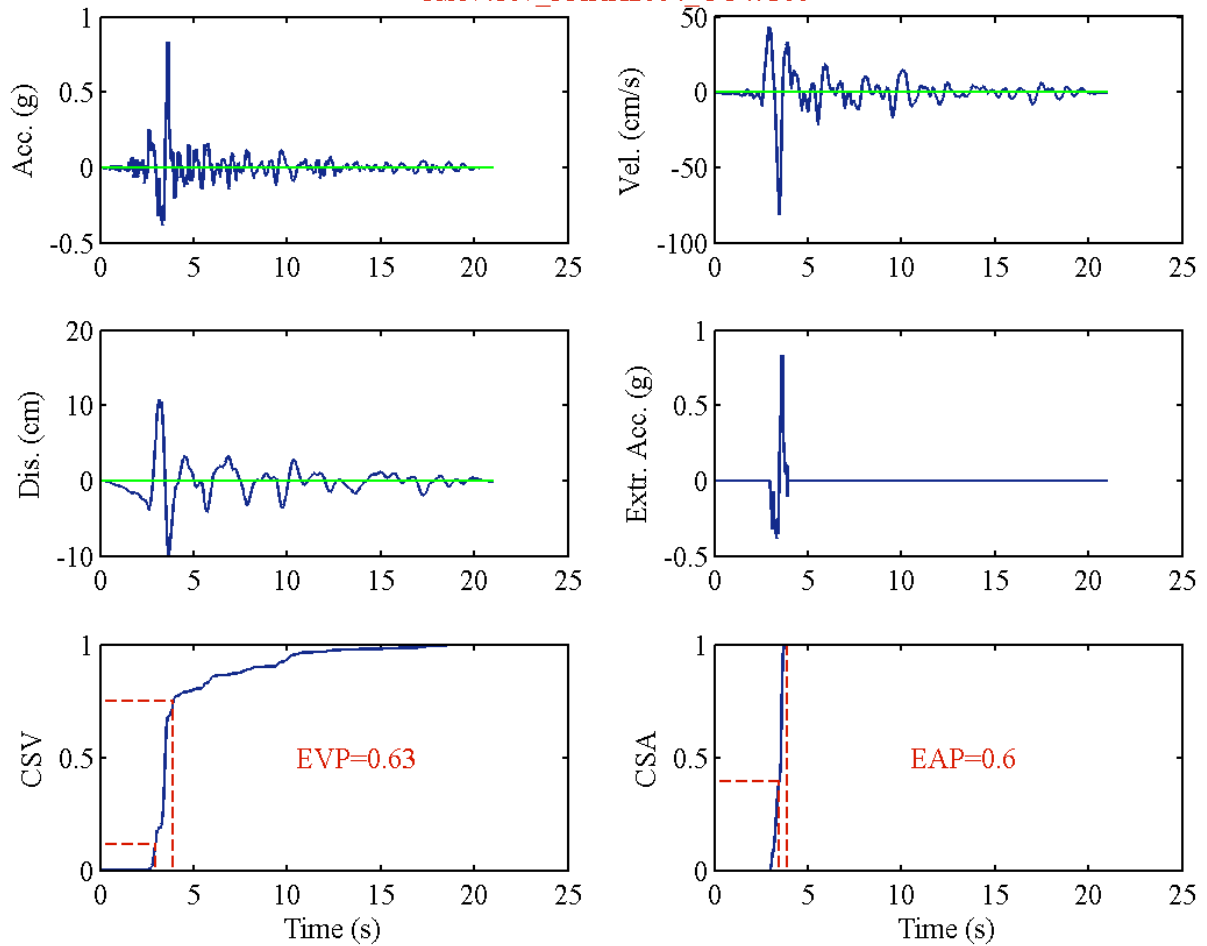
RSN4103\_PARK2004\_C04090



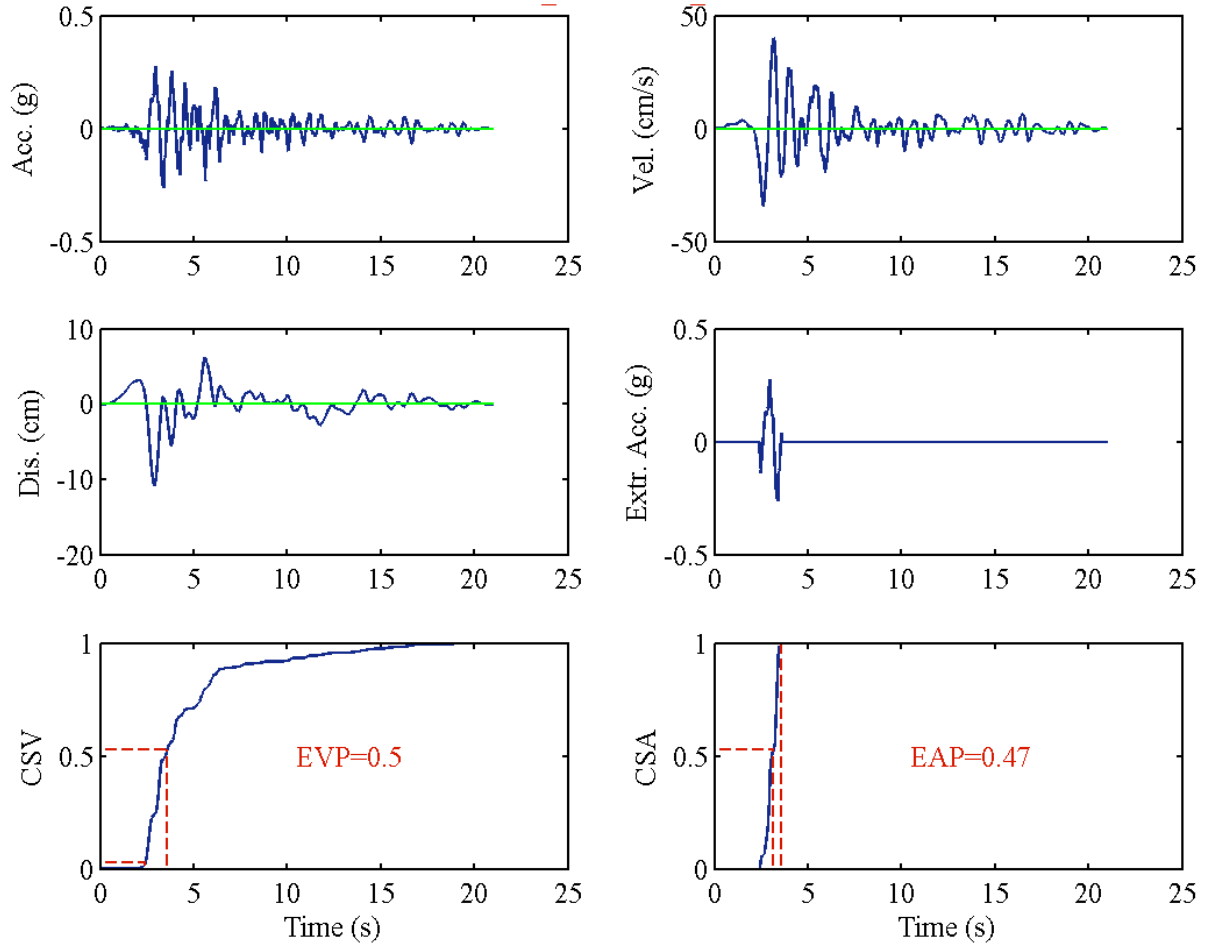
RSN4103\_PARK2004\_C04360



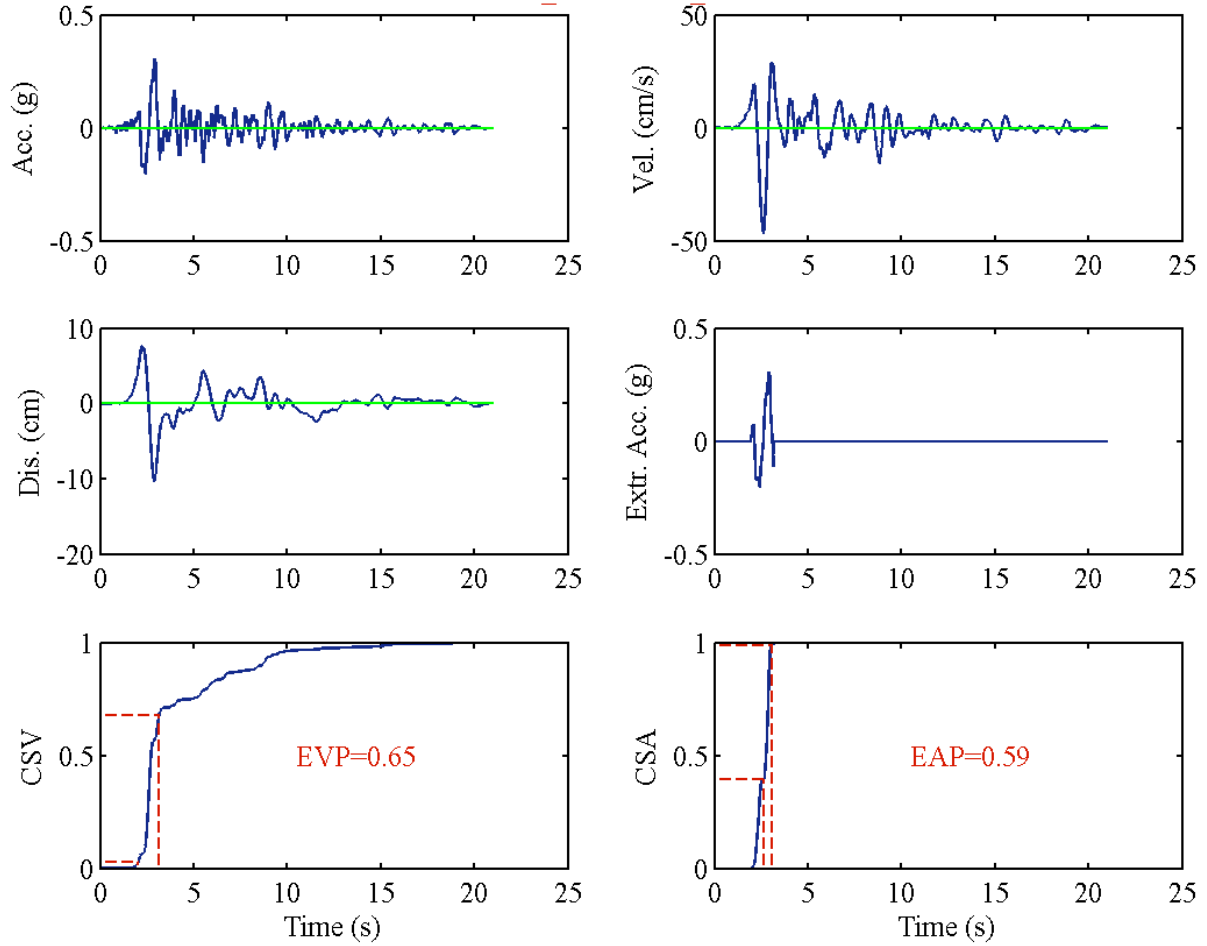
RSN4107\_PARK2004\_COW360



RSN4115\_PARK2004 PRK090

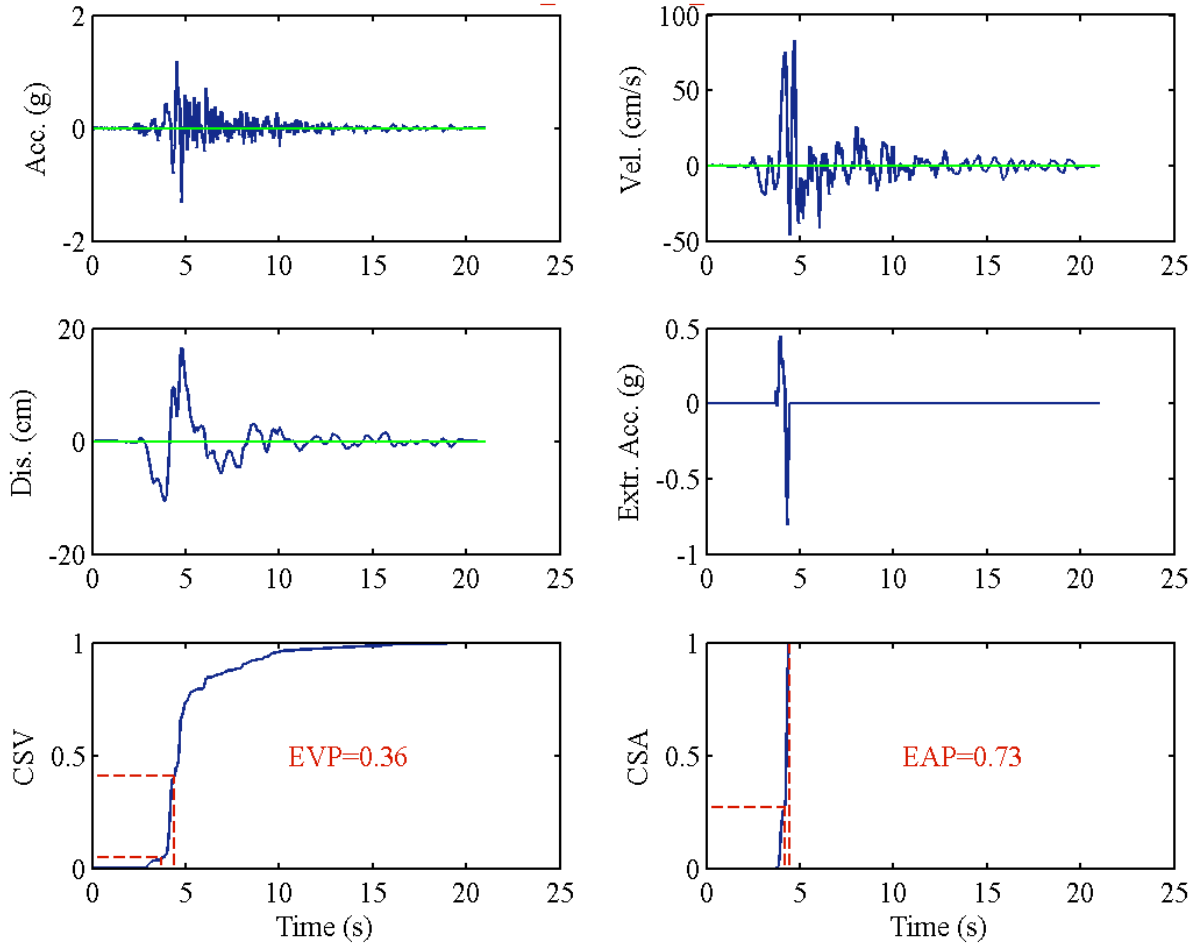


RSN4115\_PARK2004 PRK360

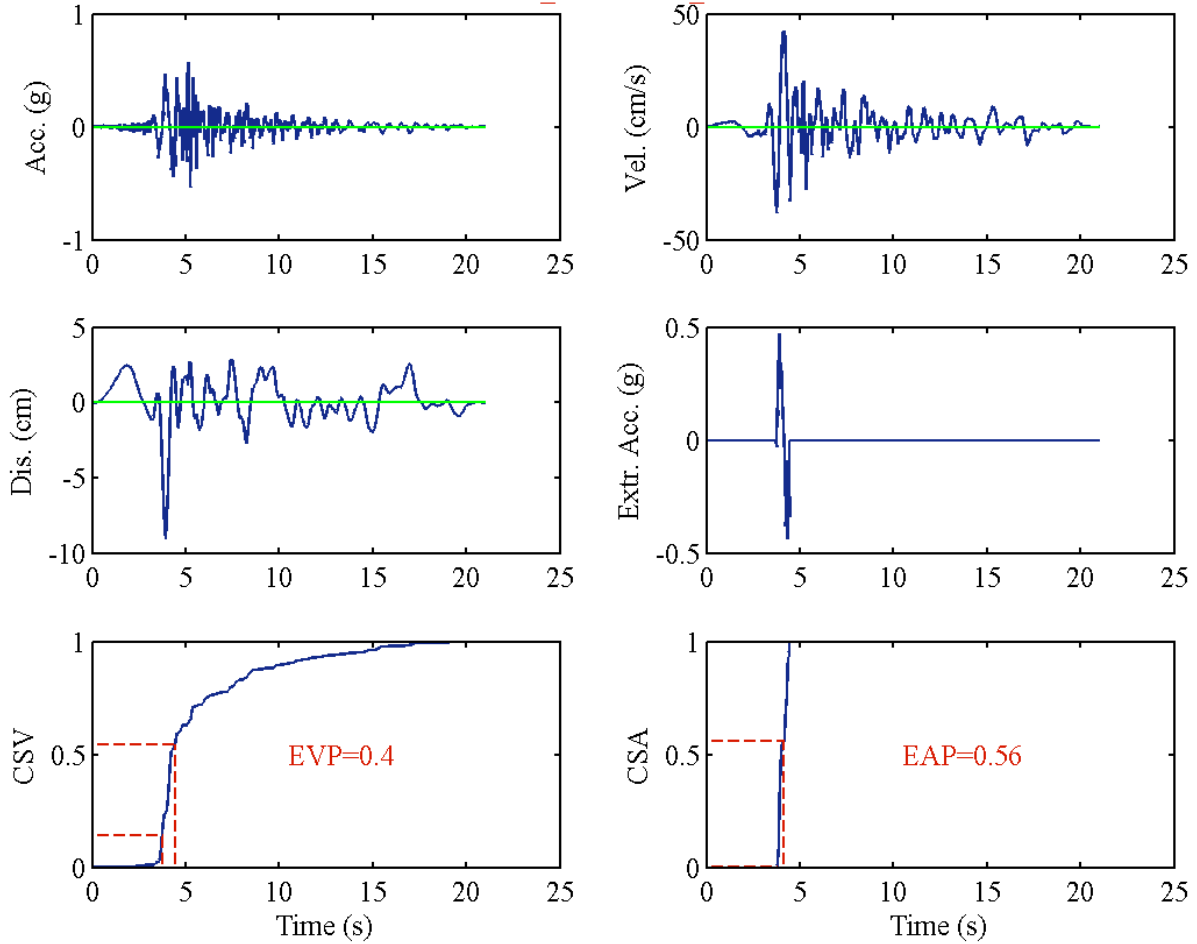




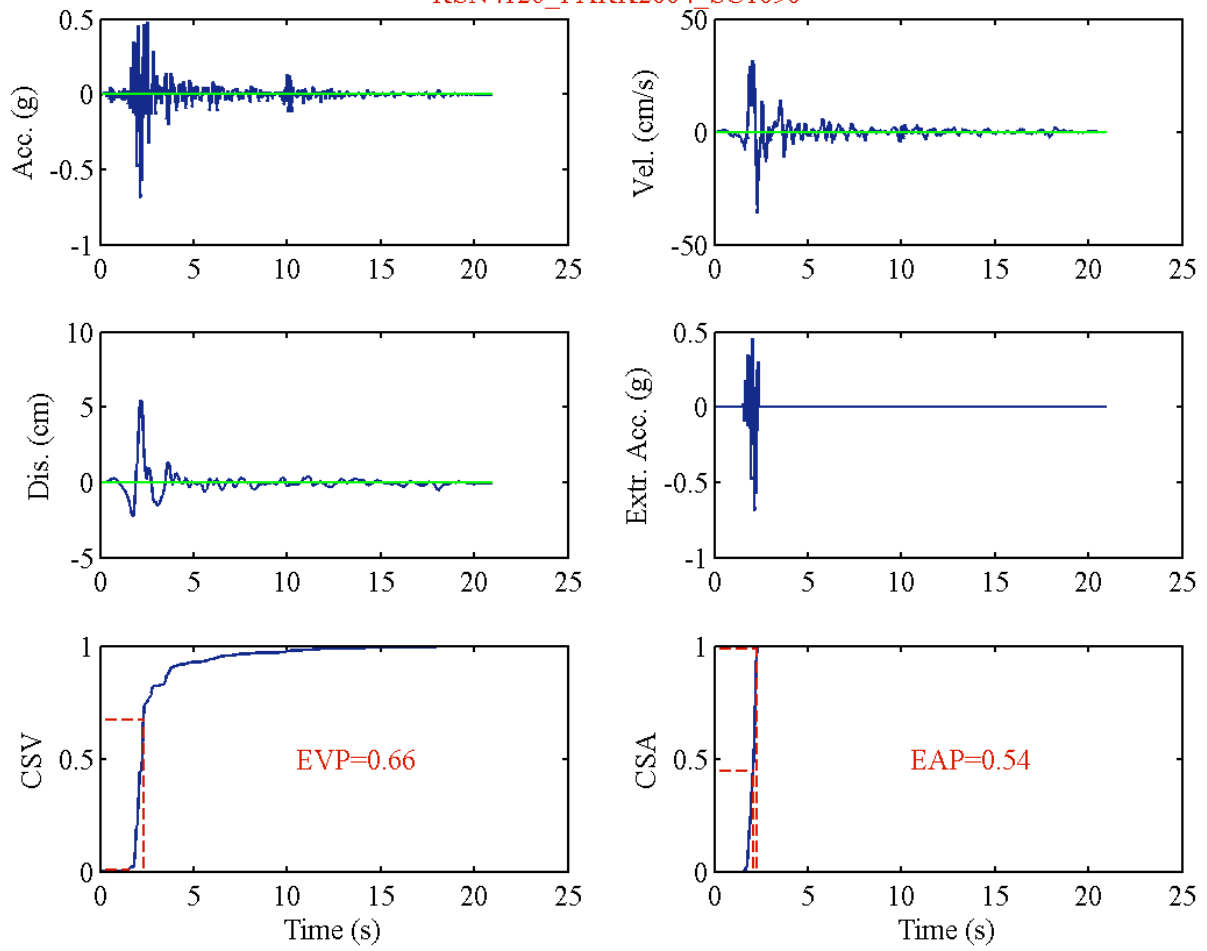
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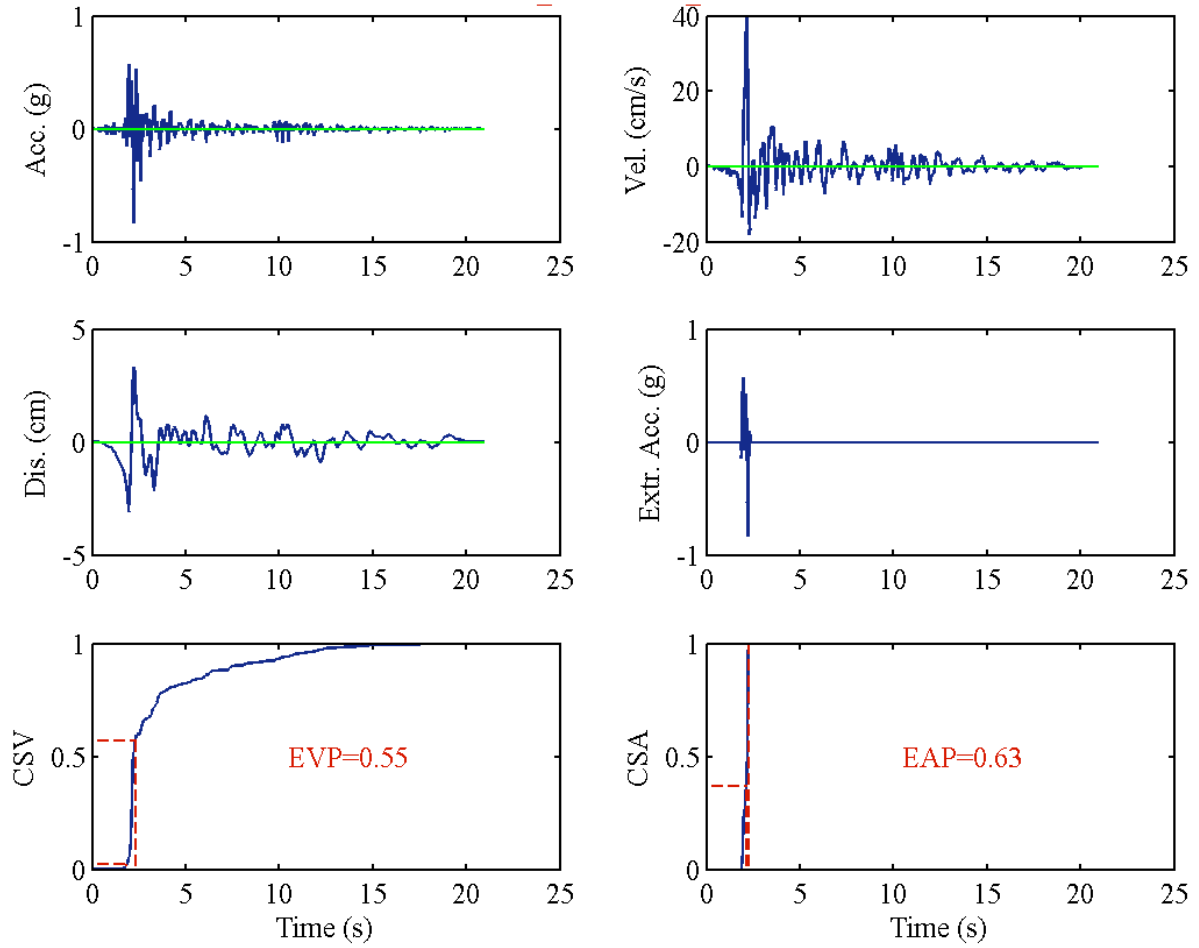
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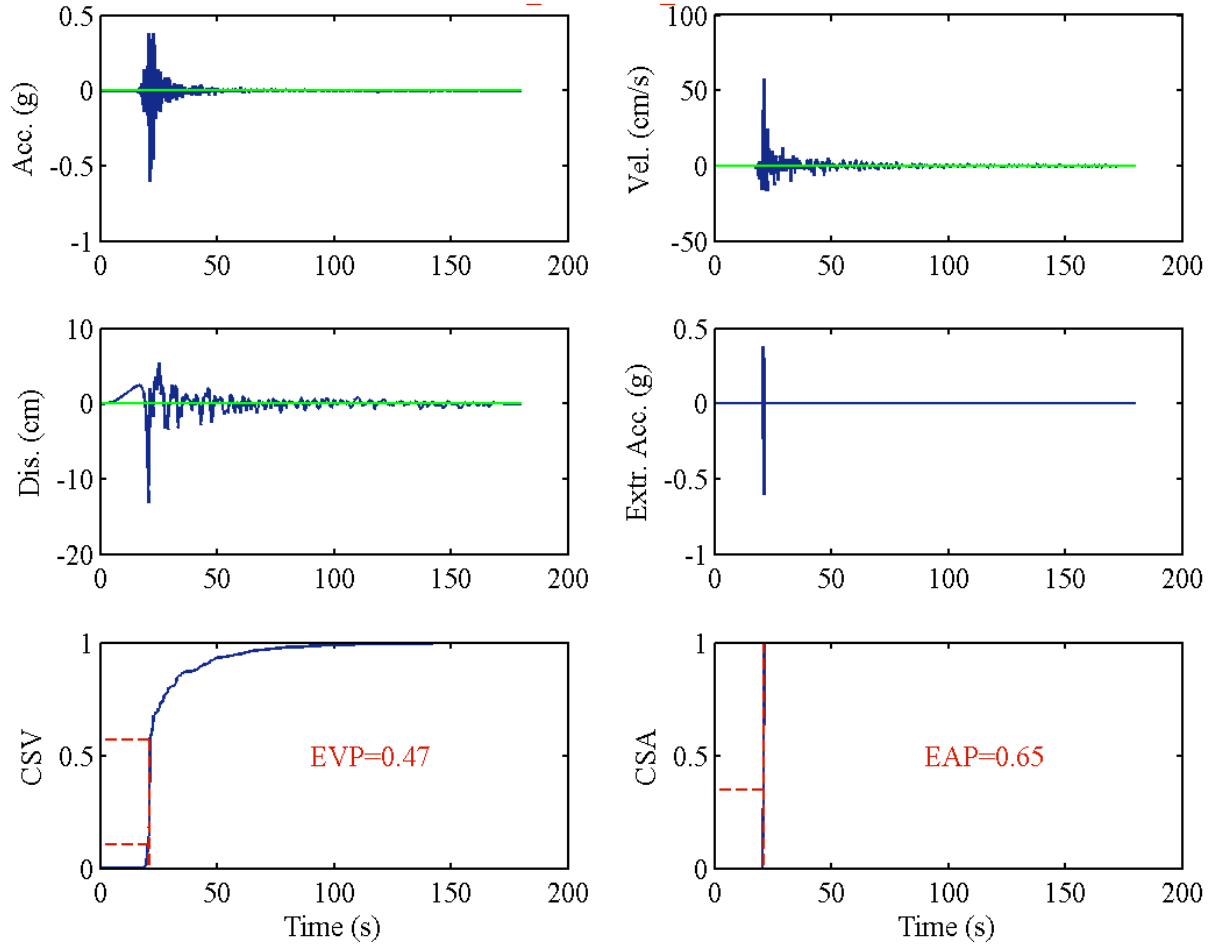
RSN4126\_PARK2004\_SC1090



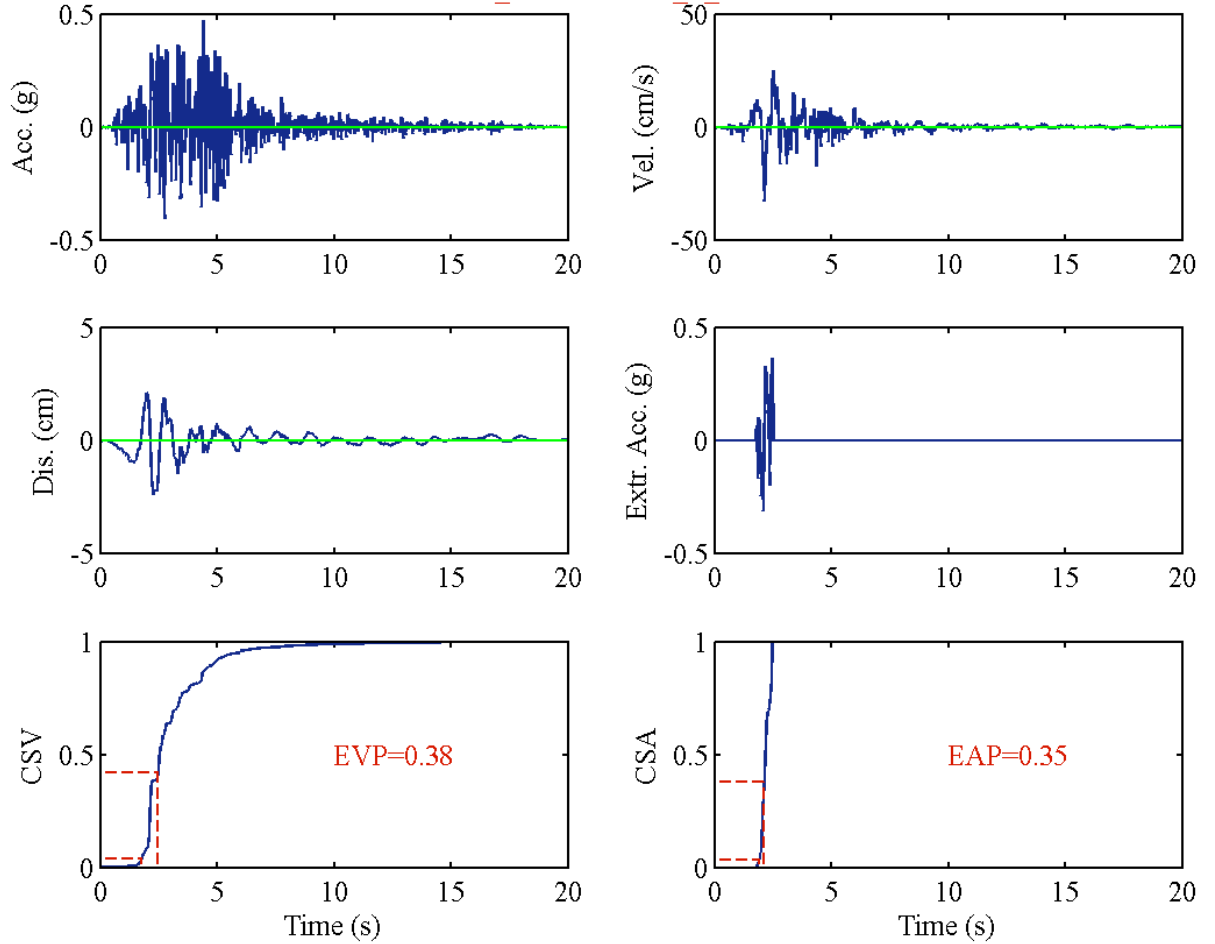
RSN4126\_PARK2004\_SC1360



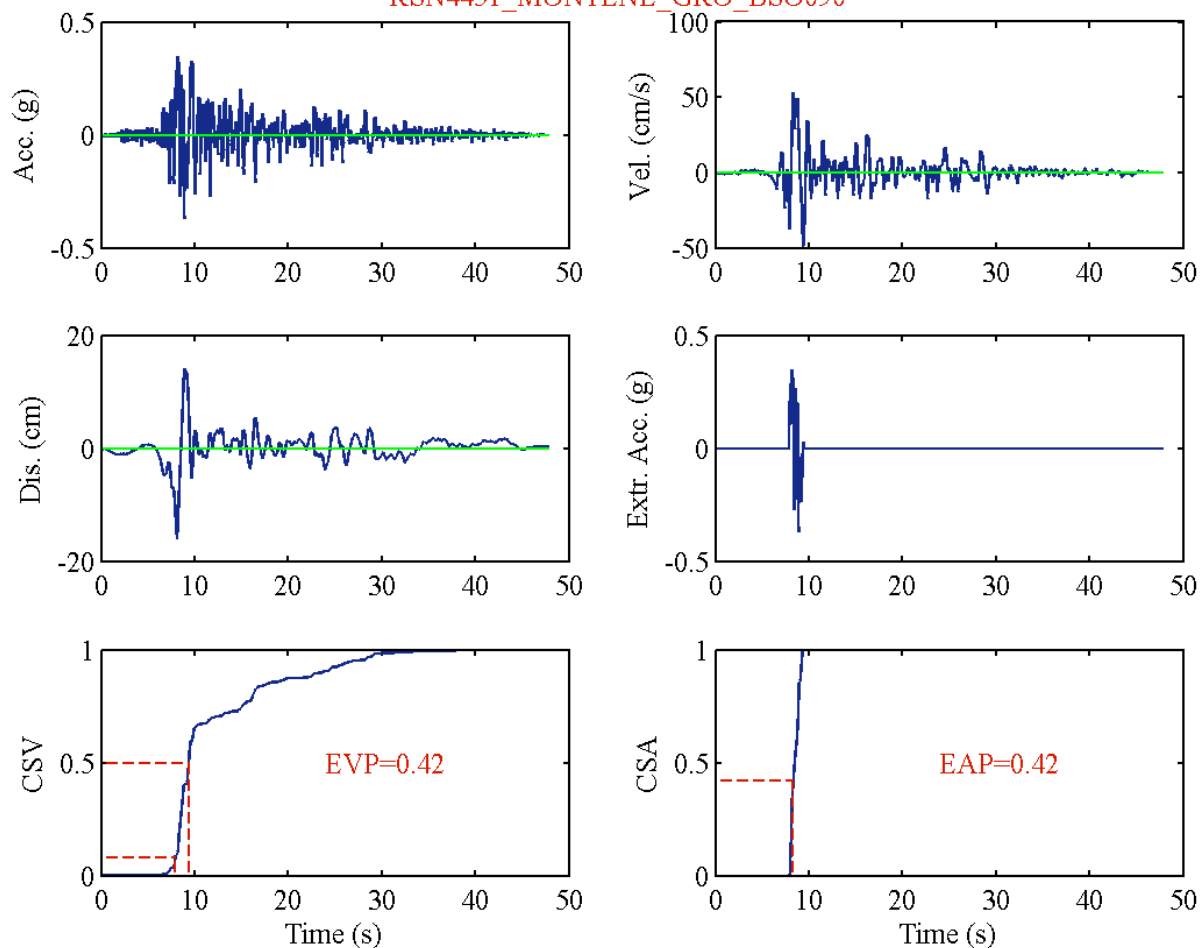
# RSN4228\_NIIGATA\_NIGH11EW



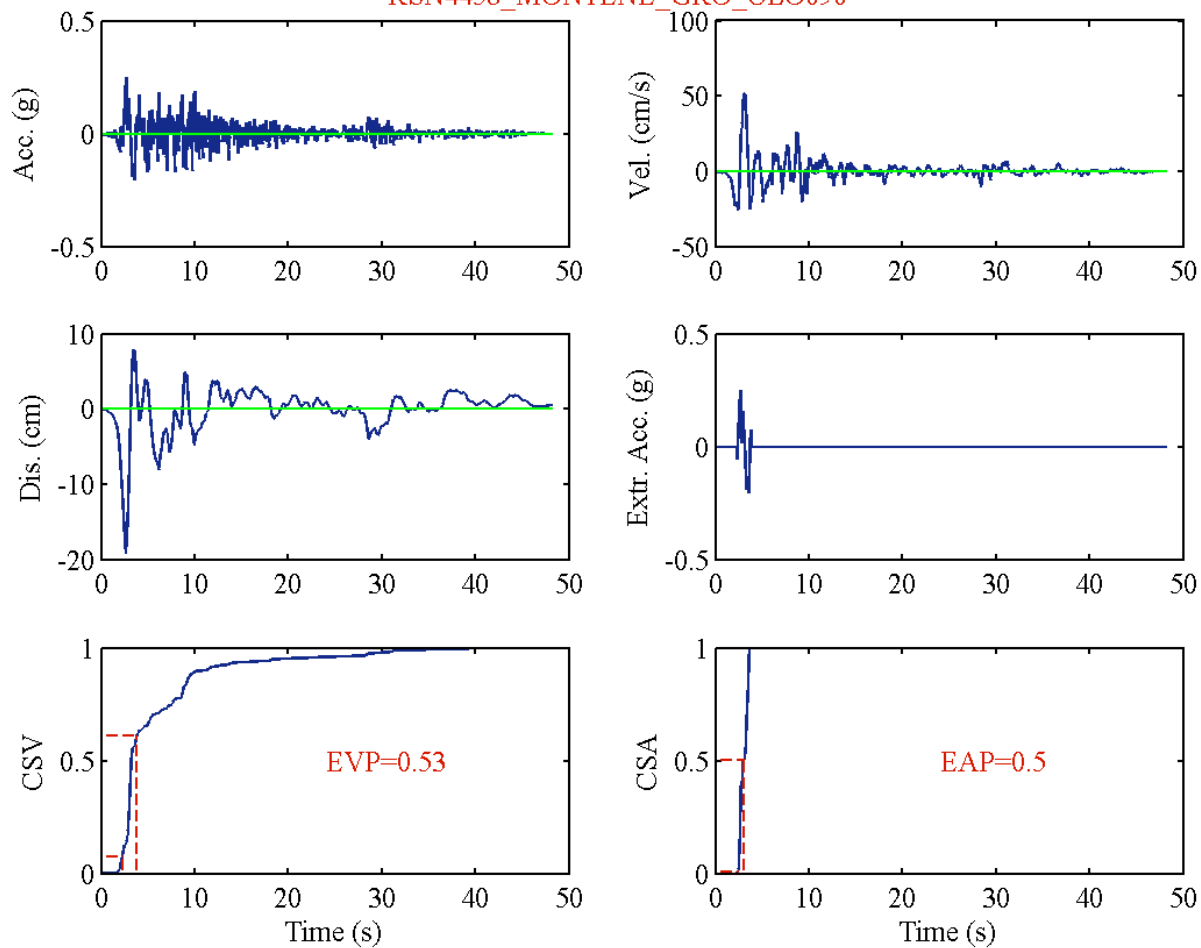
# RSN4352\_UBMARCHE\_P\_A-NCR000



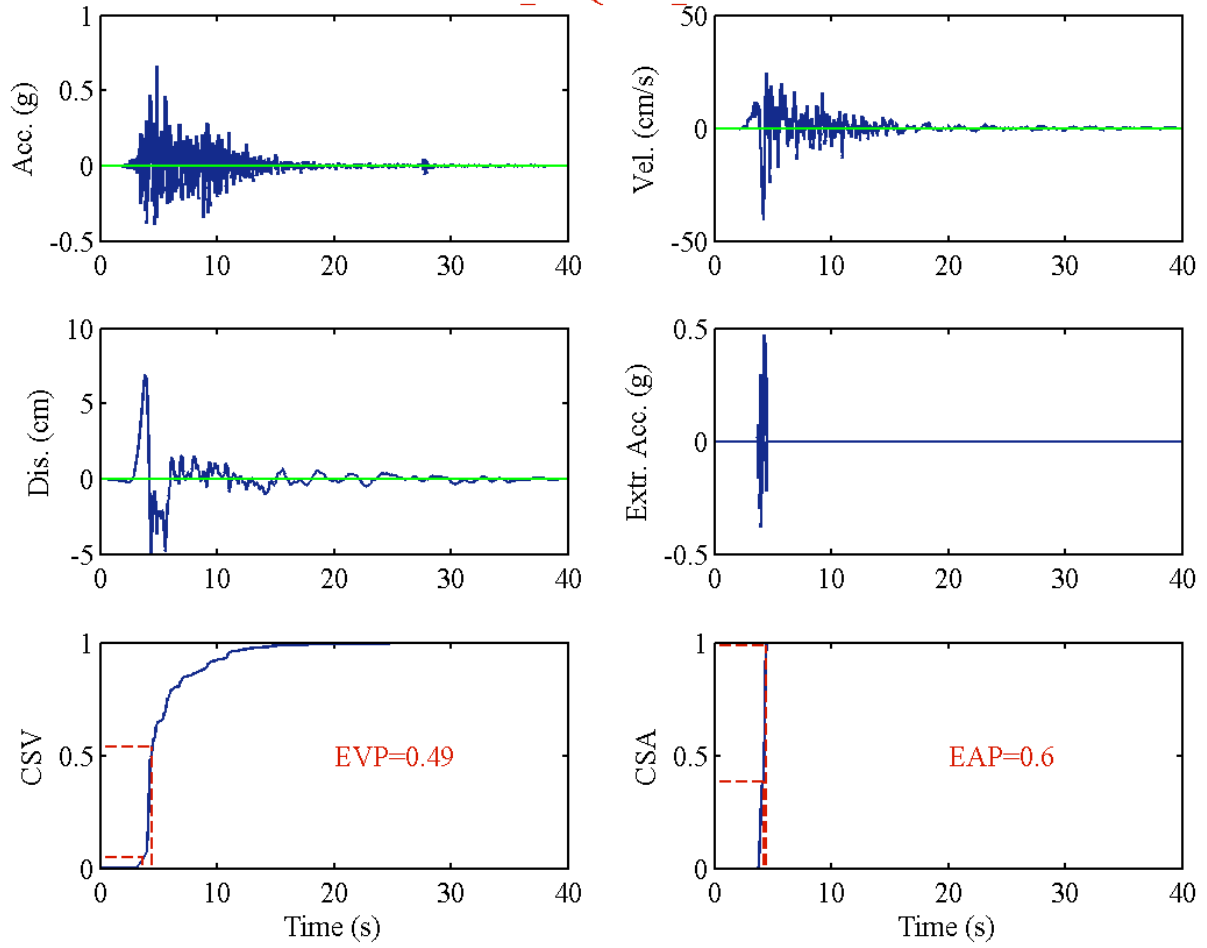
RSN4451\_MONTENE\_GRO\_BSO090



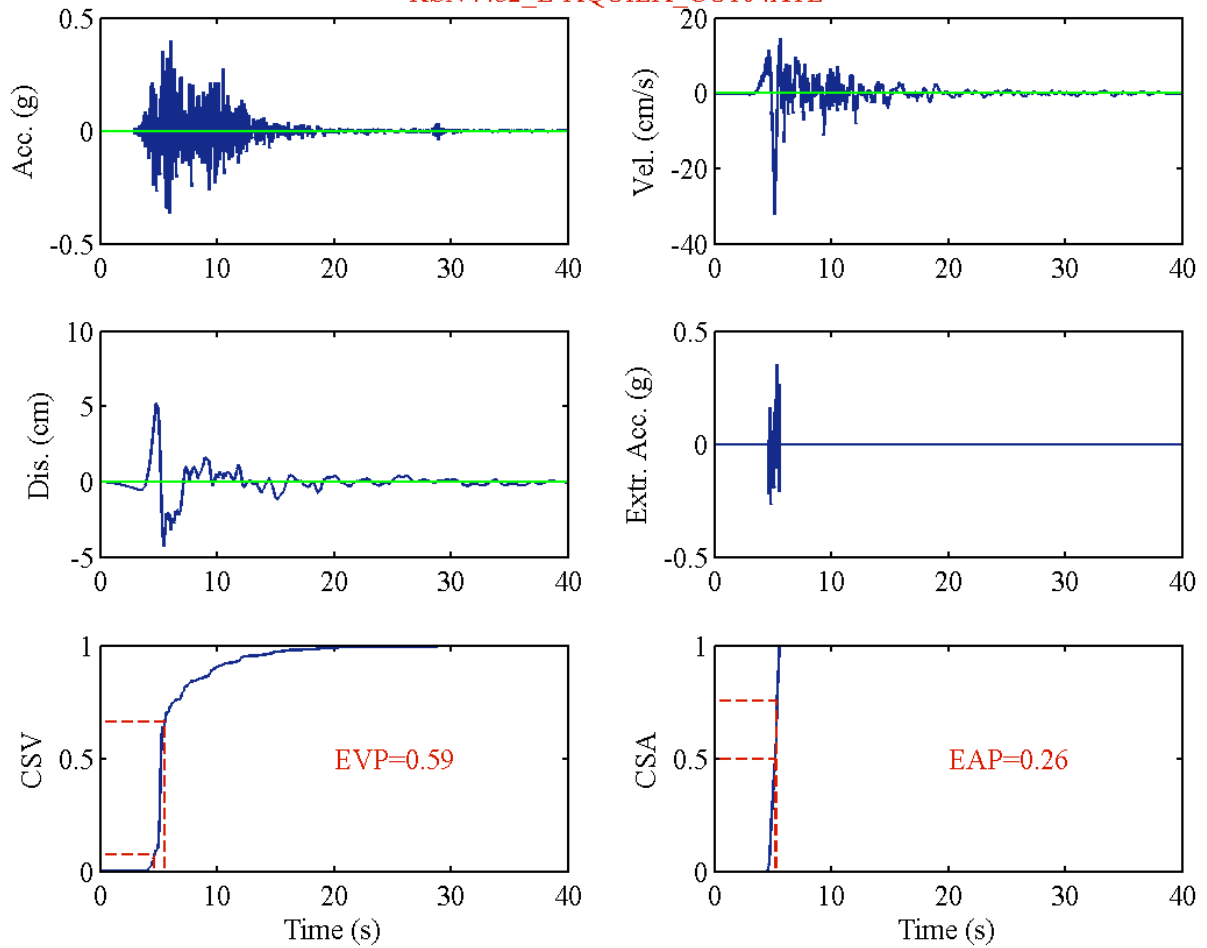
RSN4458\_MONTENE\_GRO\_UL0090



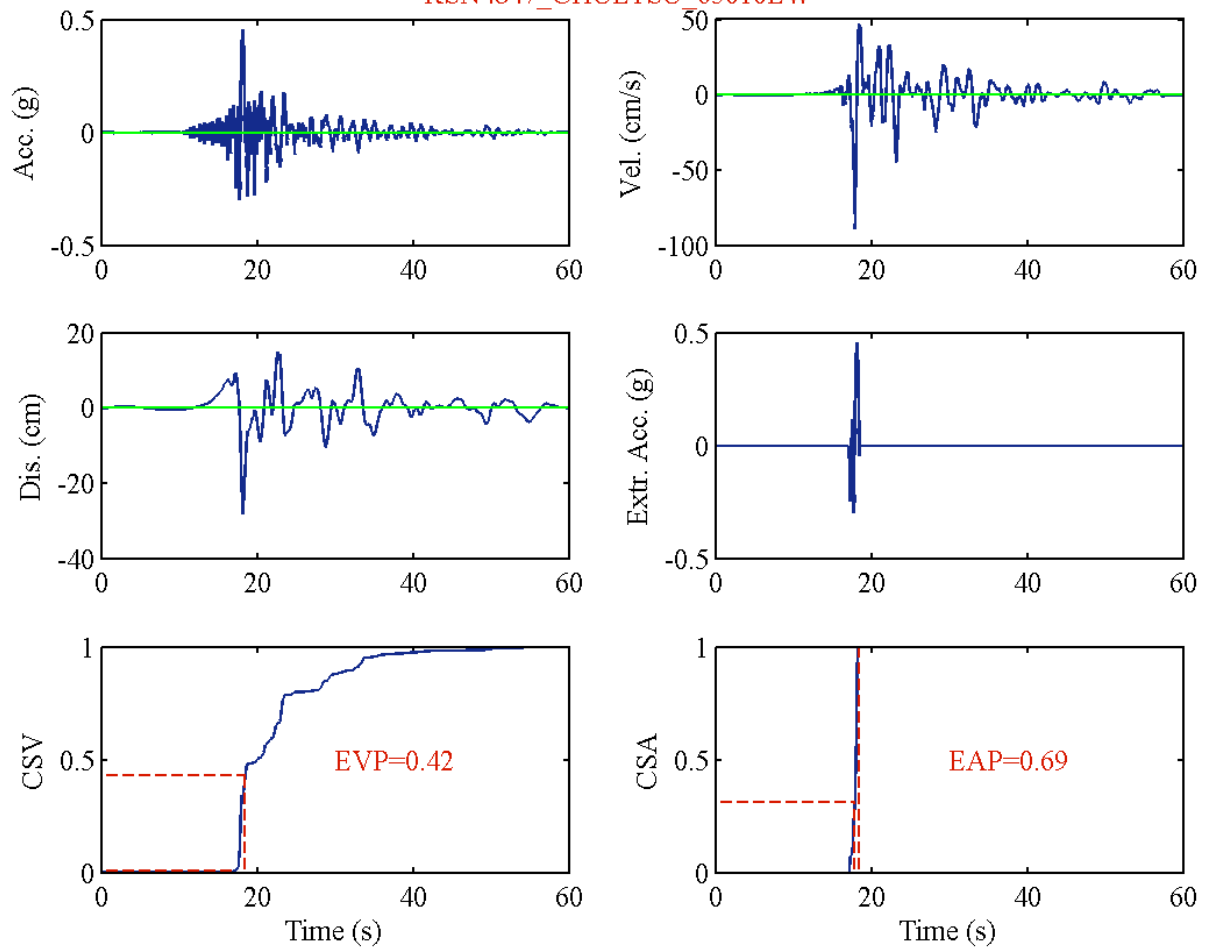
RSN4480\_L-AQUILA\_GX066XTE



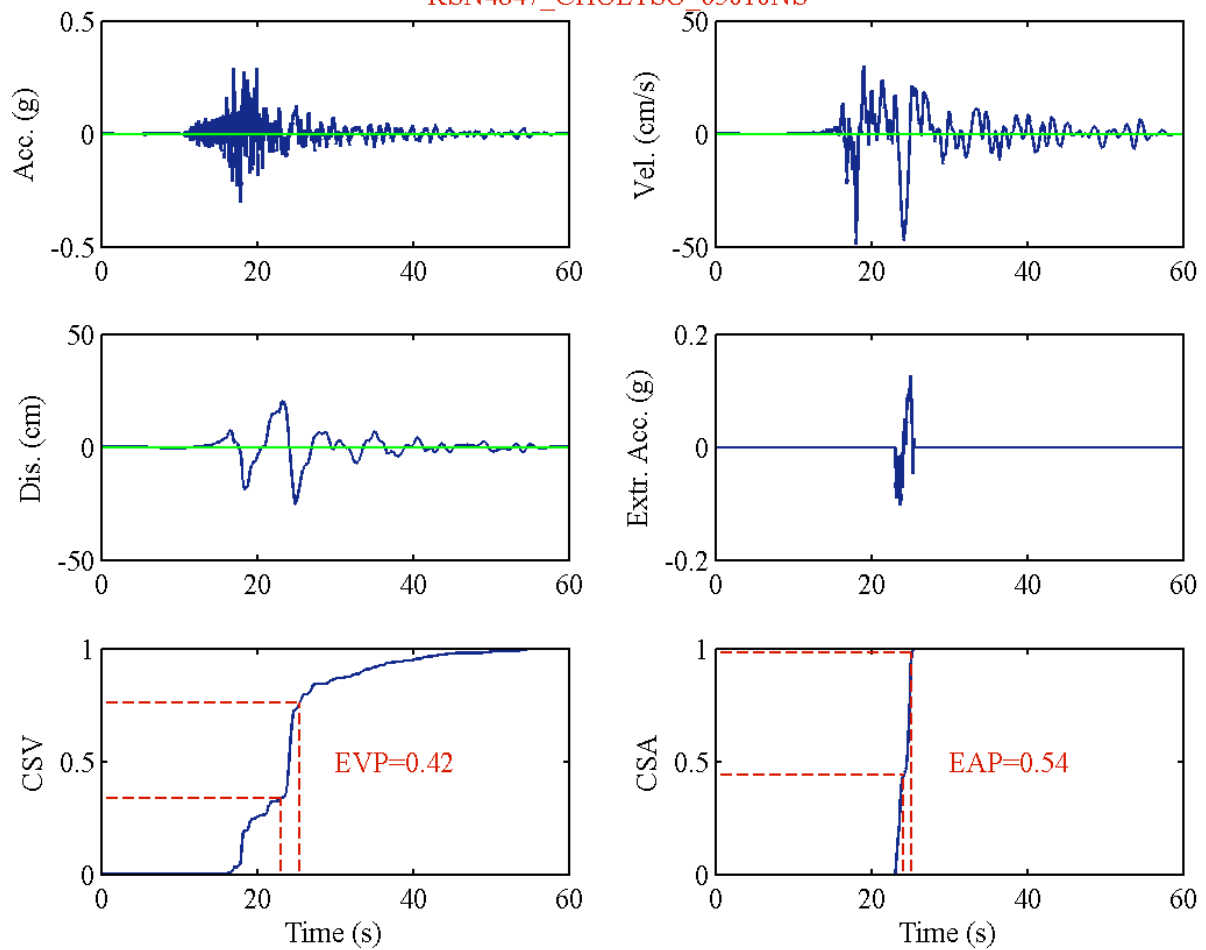
RSN4482\_L-AQUILA\_CU104XTE



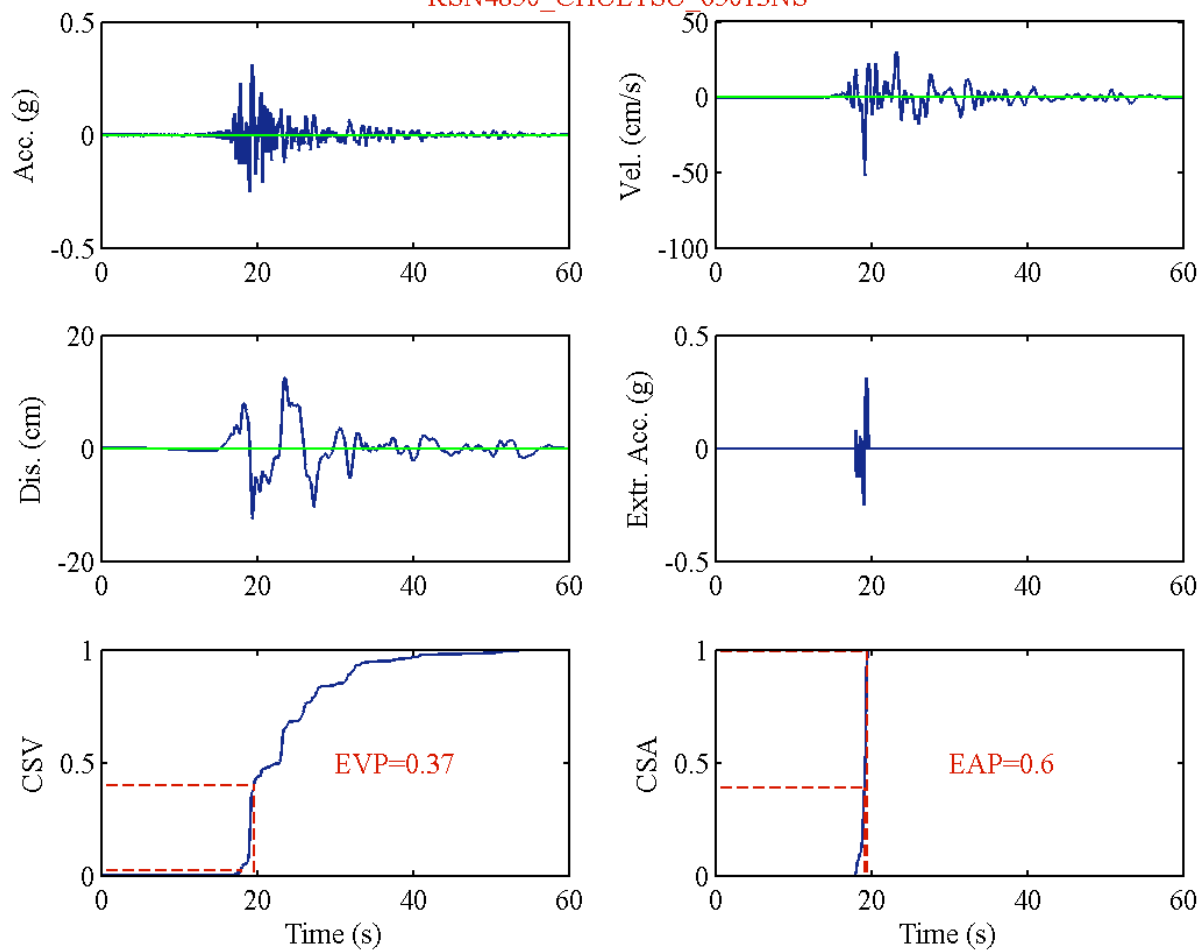
RSN4847\_CHUETSU\_65010EW



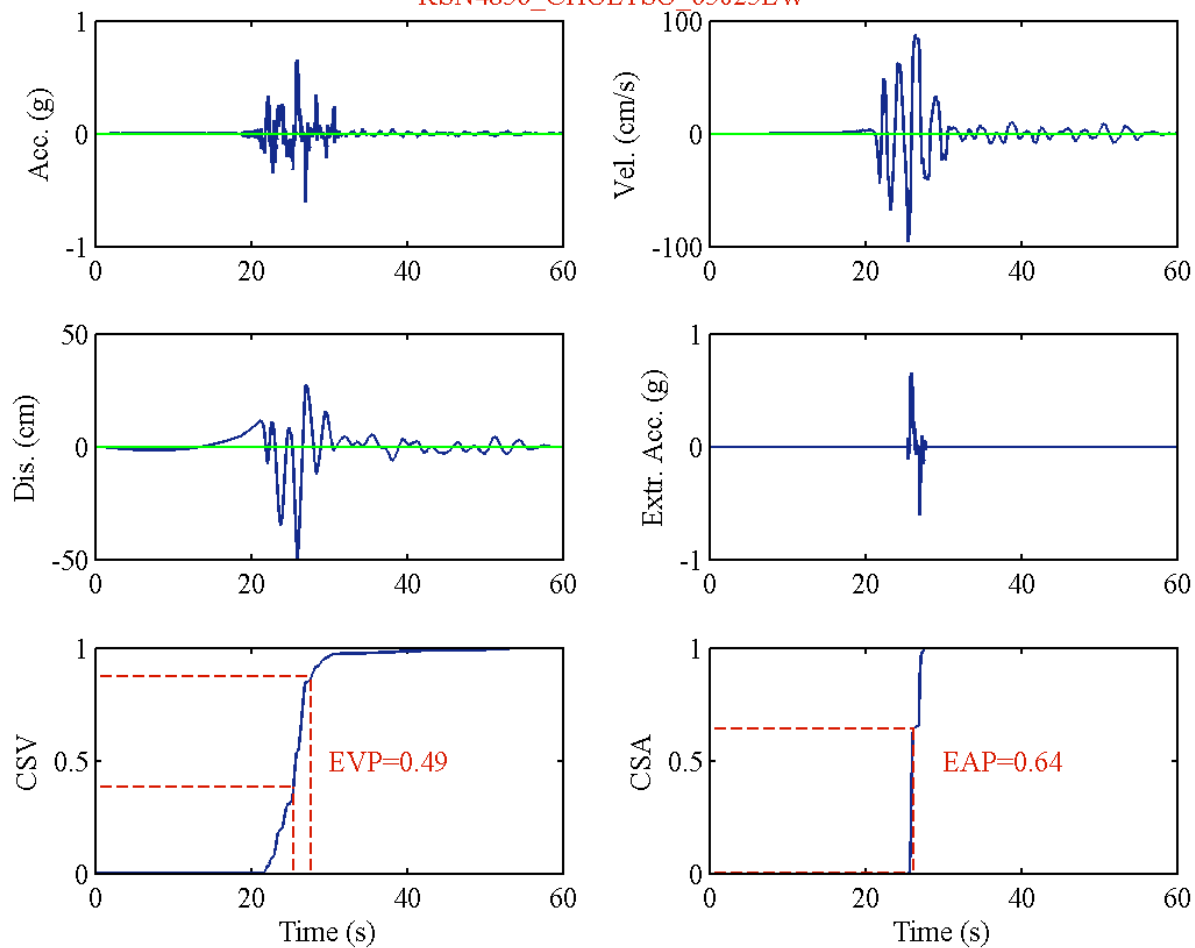
RSN4847\_CHUETSU\_65010NS



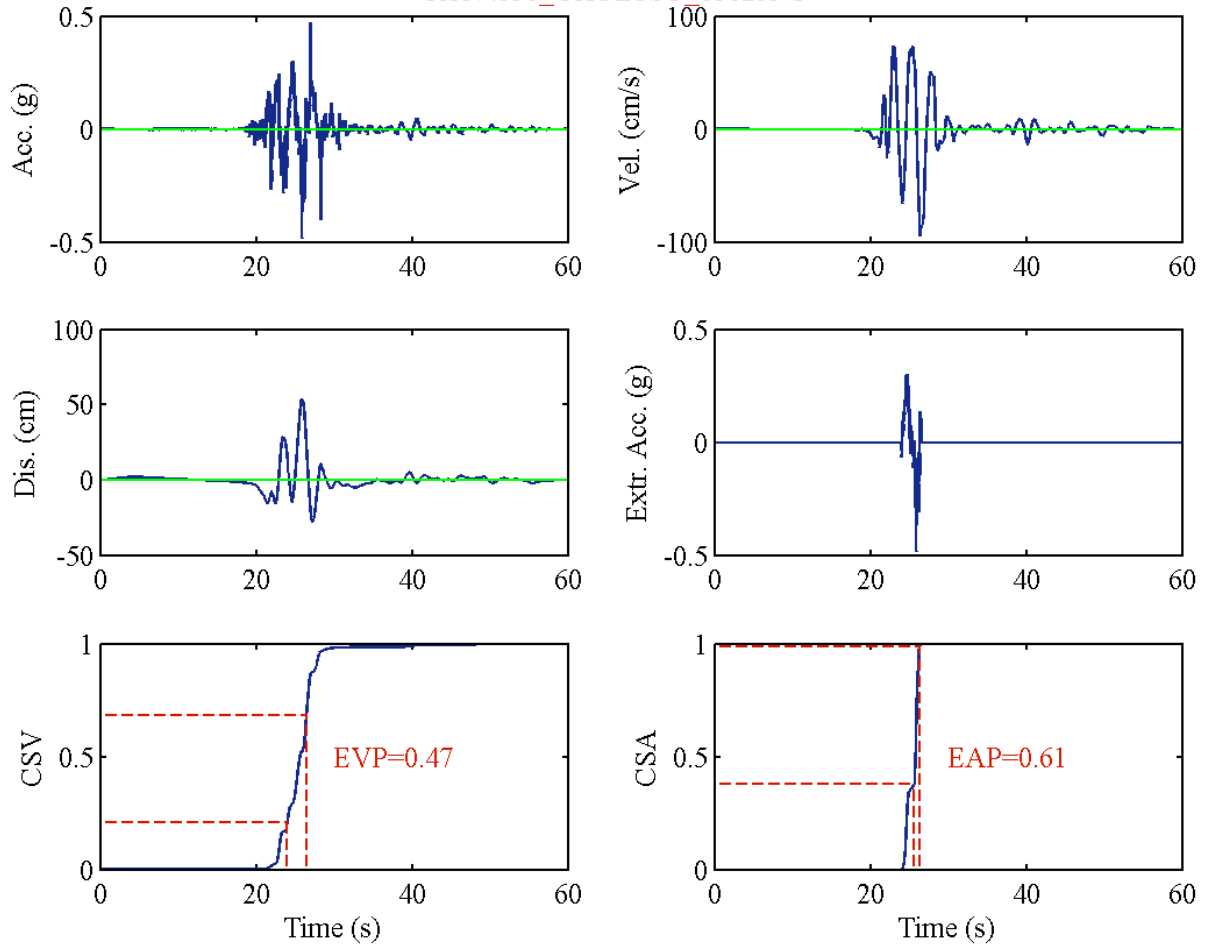
RSN4850\_CHUETSU\_65013NS



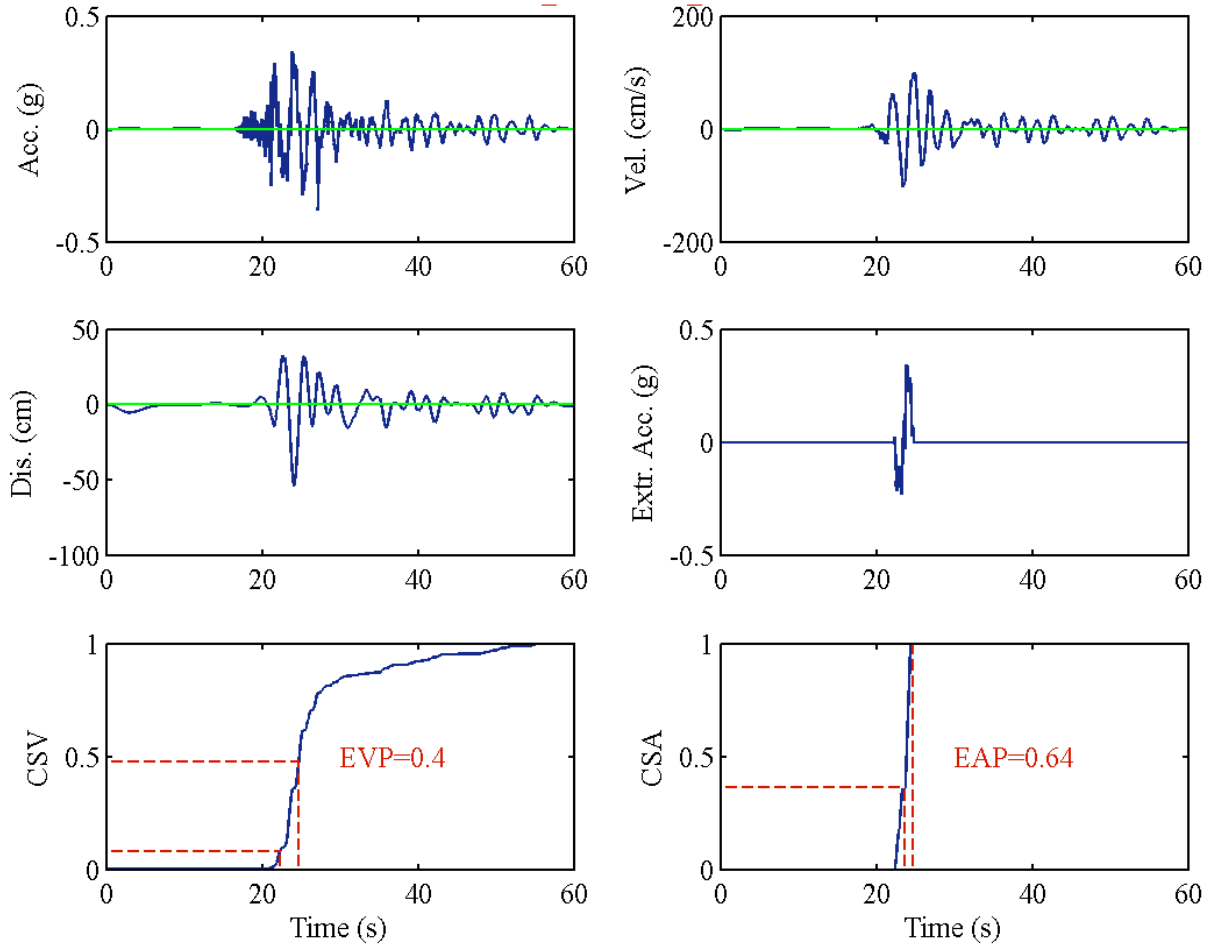
RSN4856\_CHUETSU\_65025EW



RSN4856\_CHUETSU 65025NS

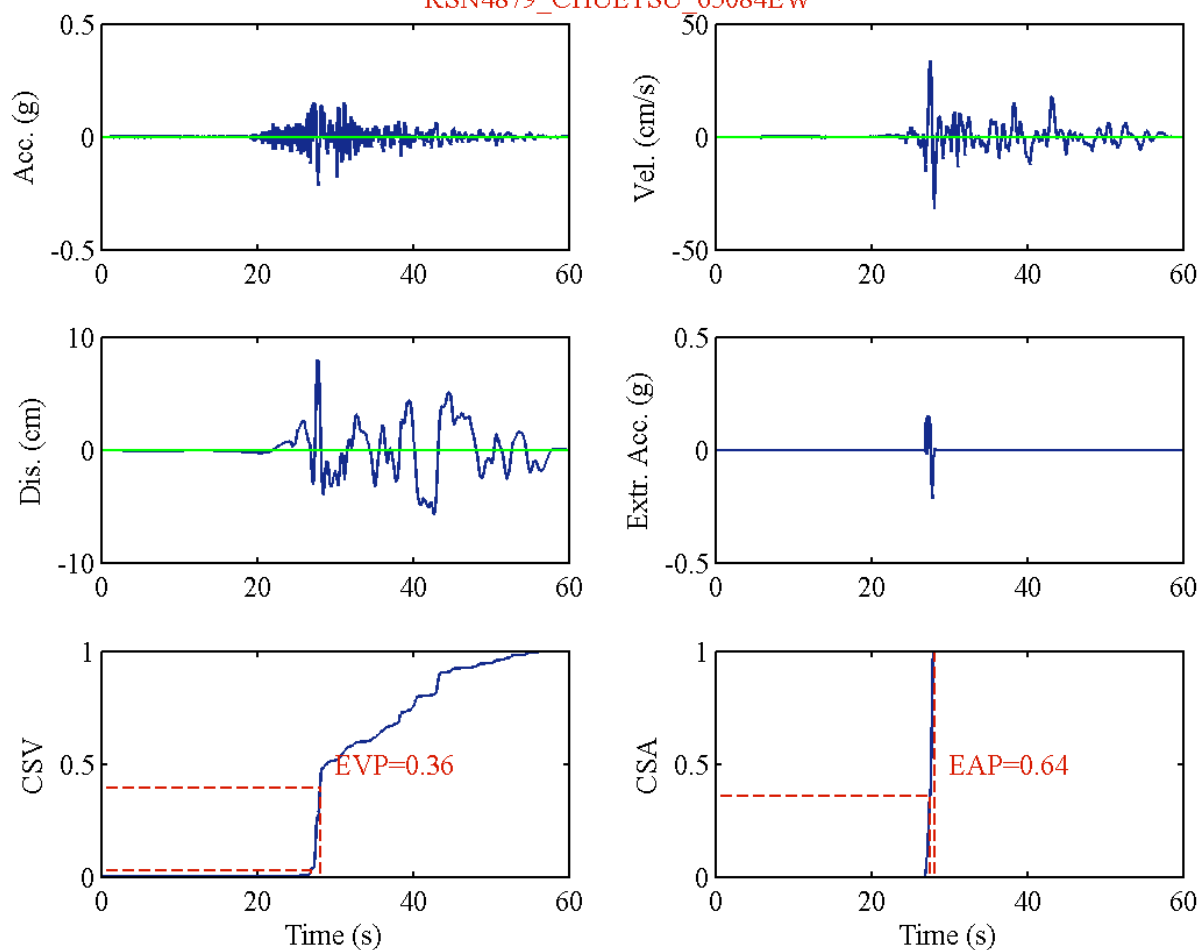


RSN4875\_CHUETSU 65058EW

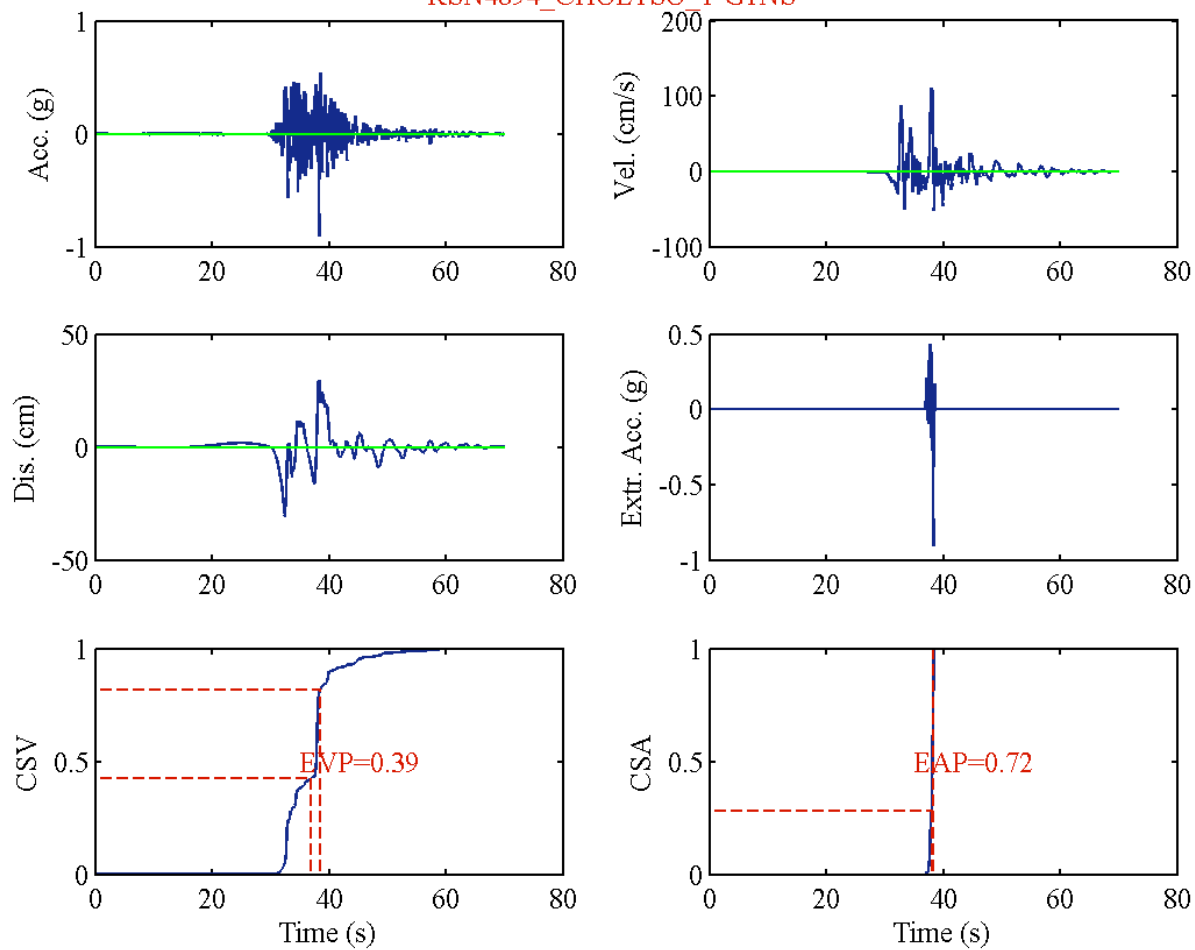




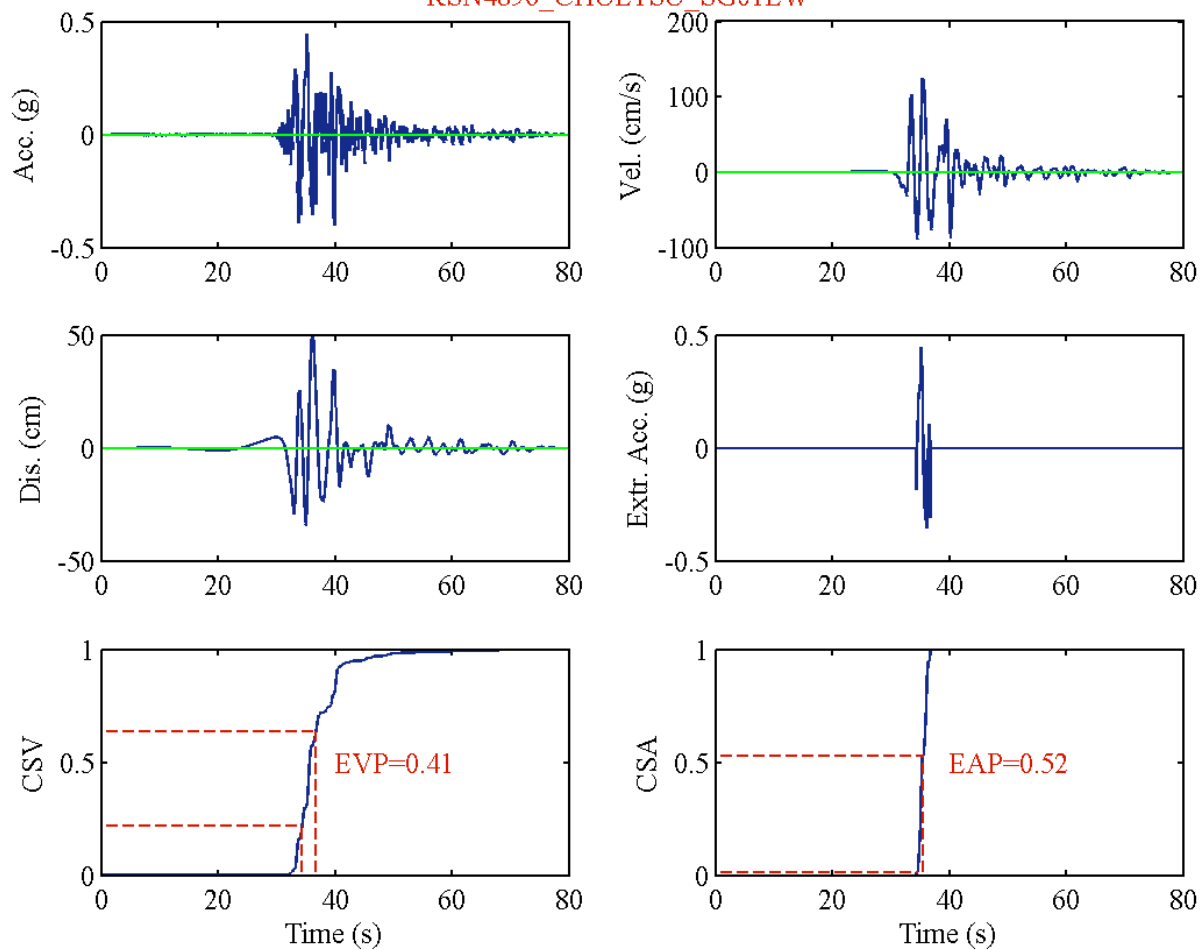
RSN4879\_CHUETSU\_65084EW



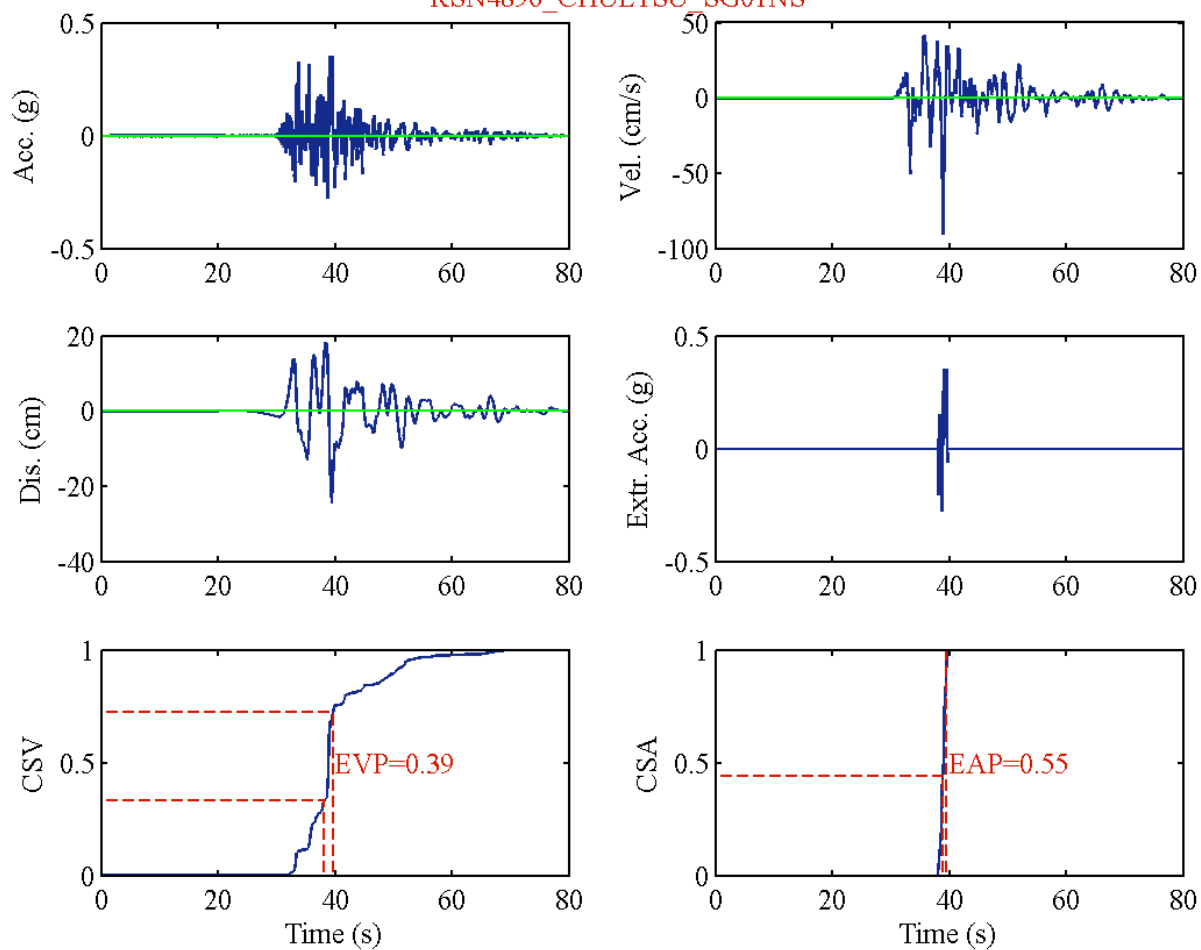
RSN4894\_CHUETSU\_1-G1NS



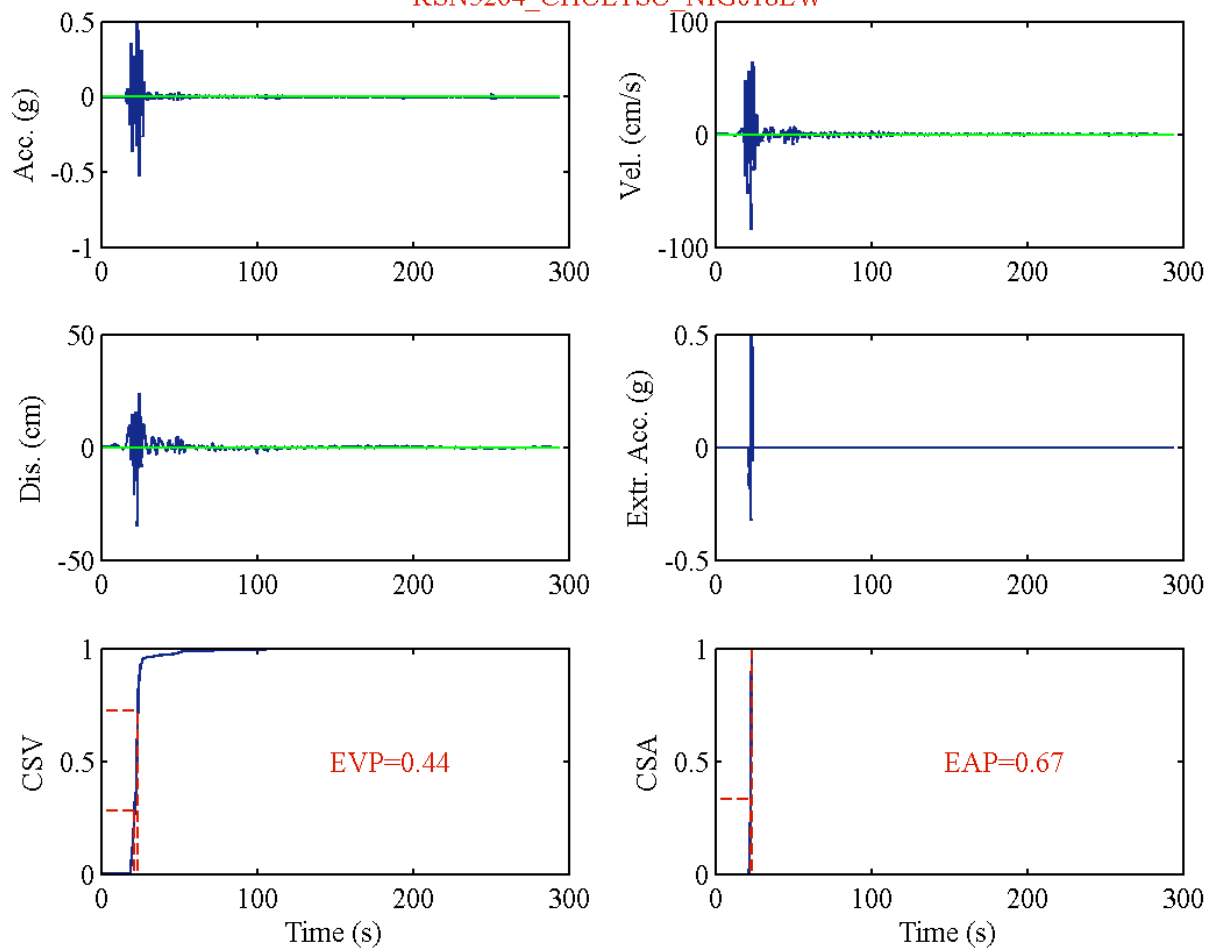
RSN4896\_CHUETSU SG01EW



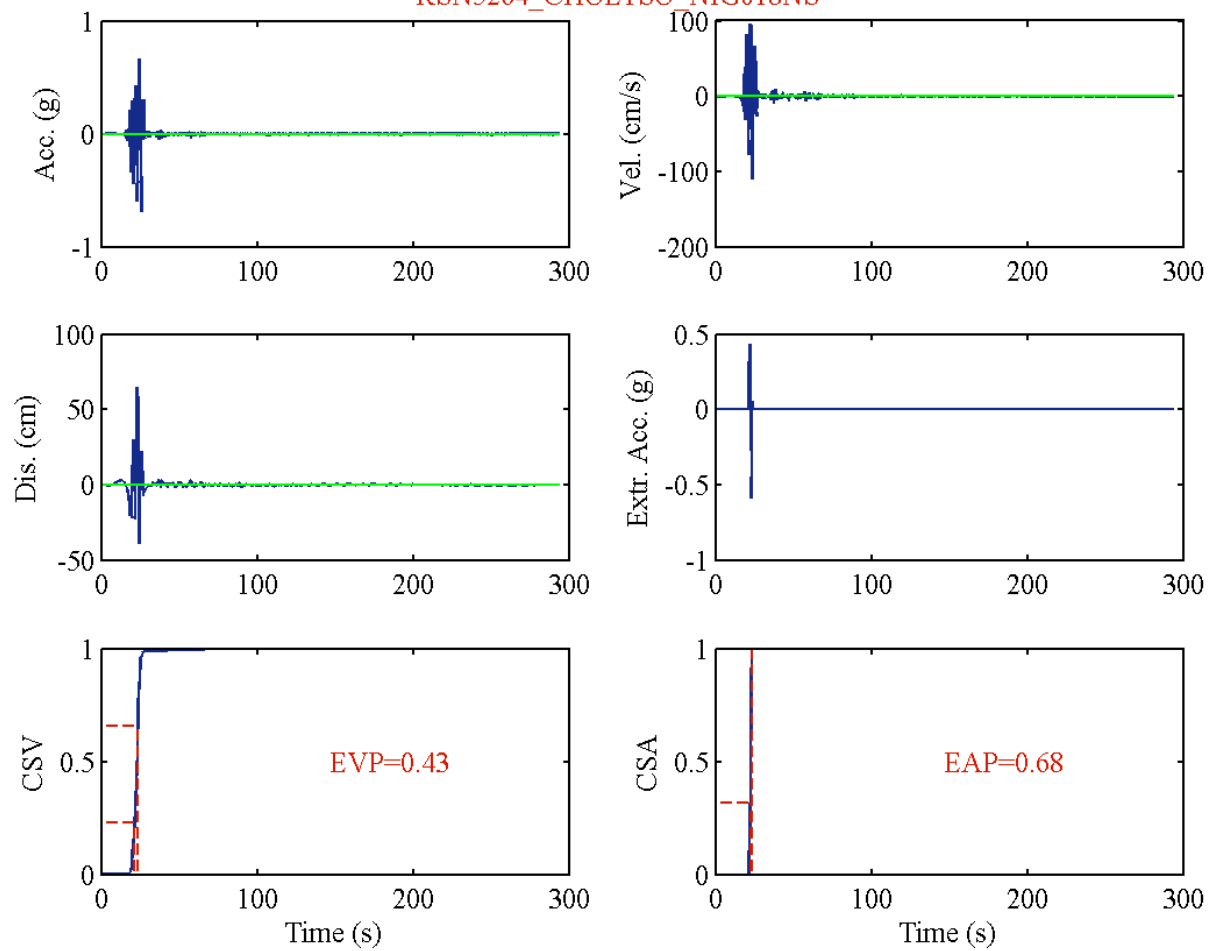
RSN4896\_CHUETSU SG01NS



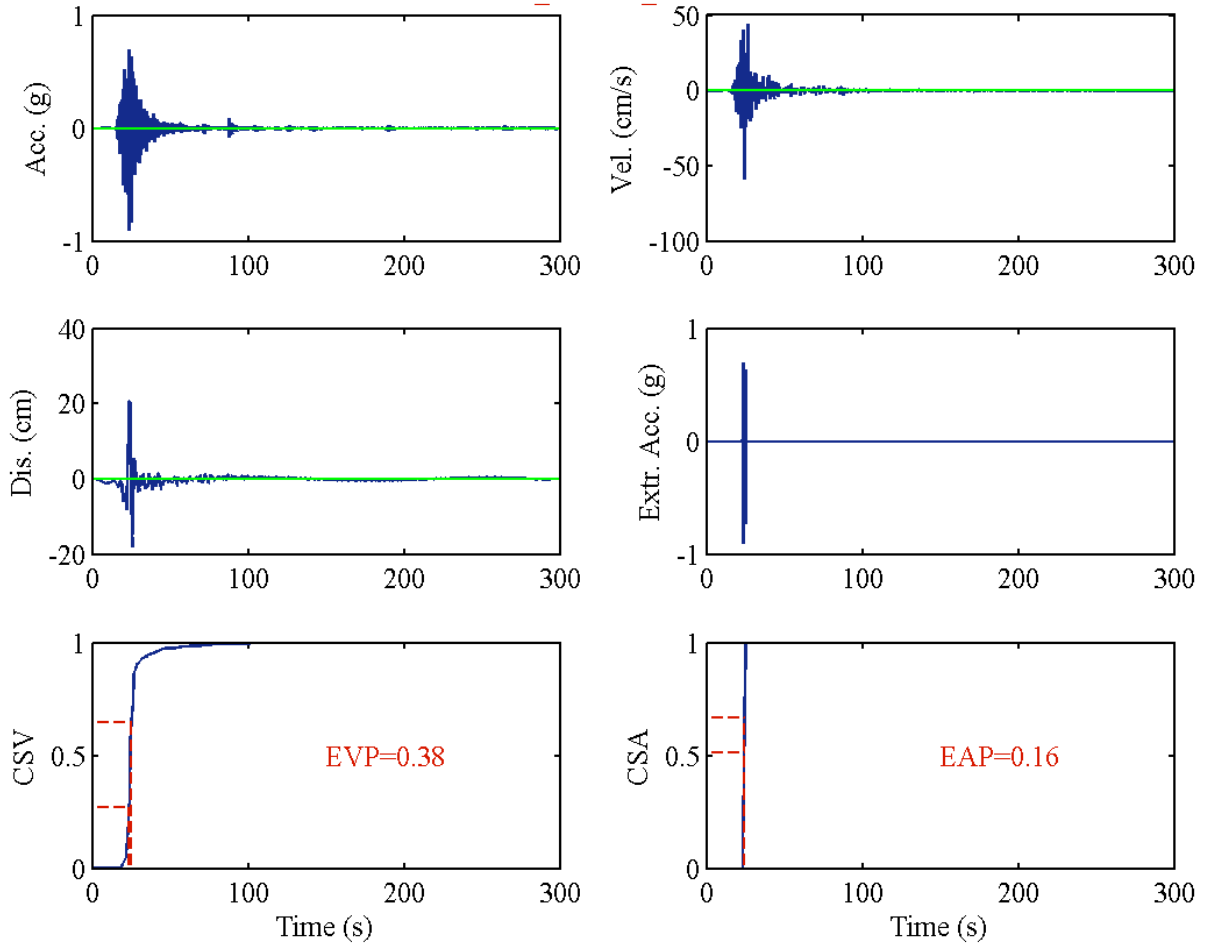
# RSN5264\_CHUETSU\_NIG018EW



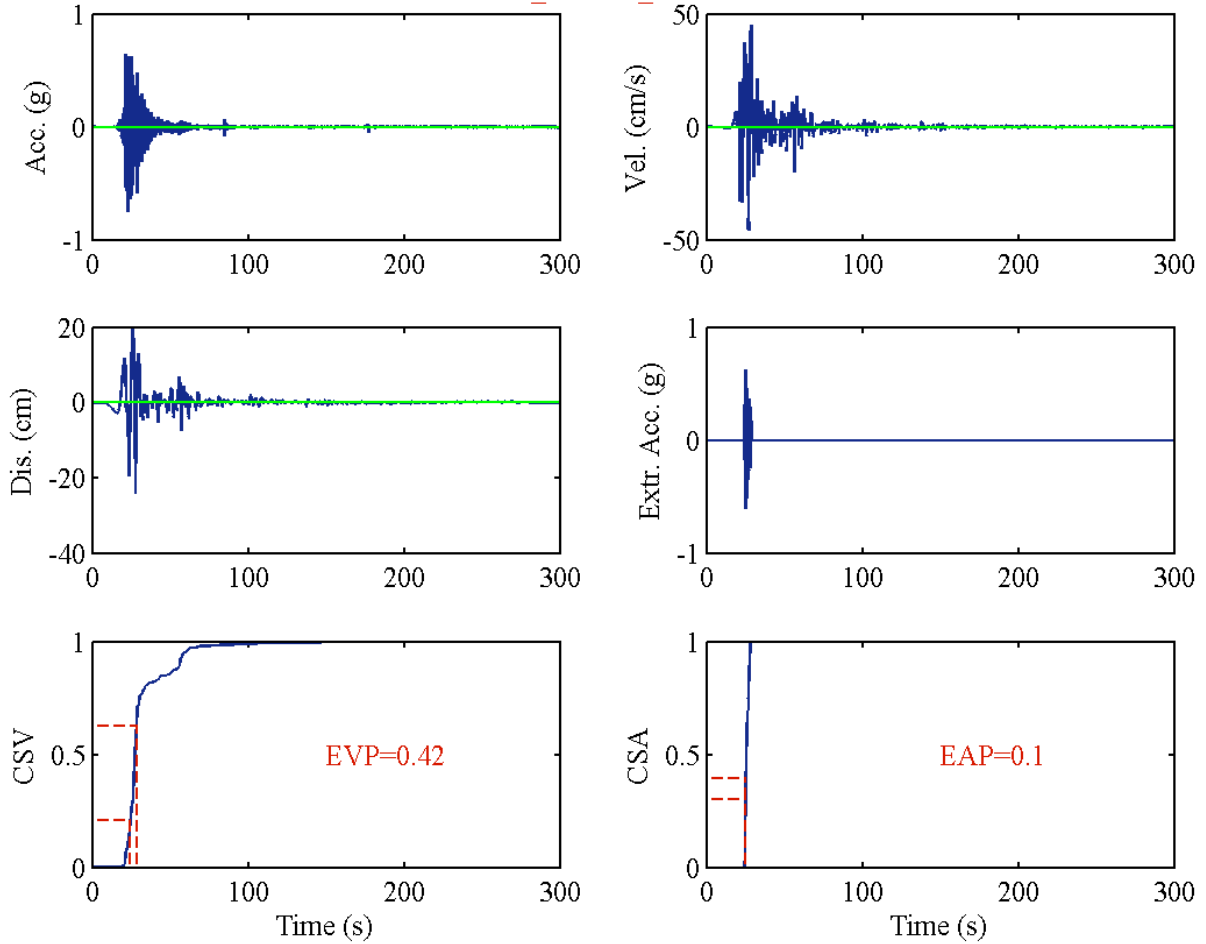
# RSN5264\_CHUETSU\_NIG018NS



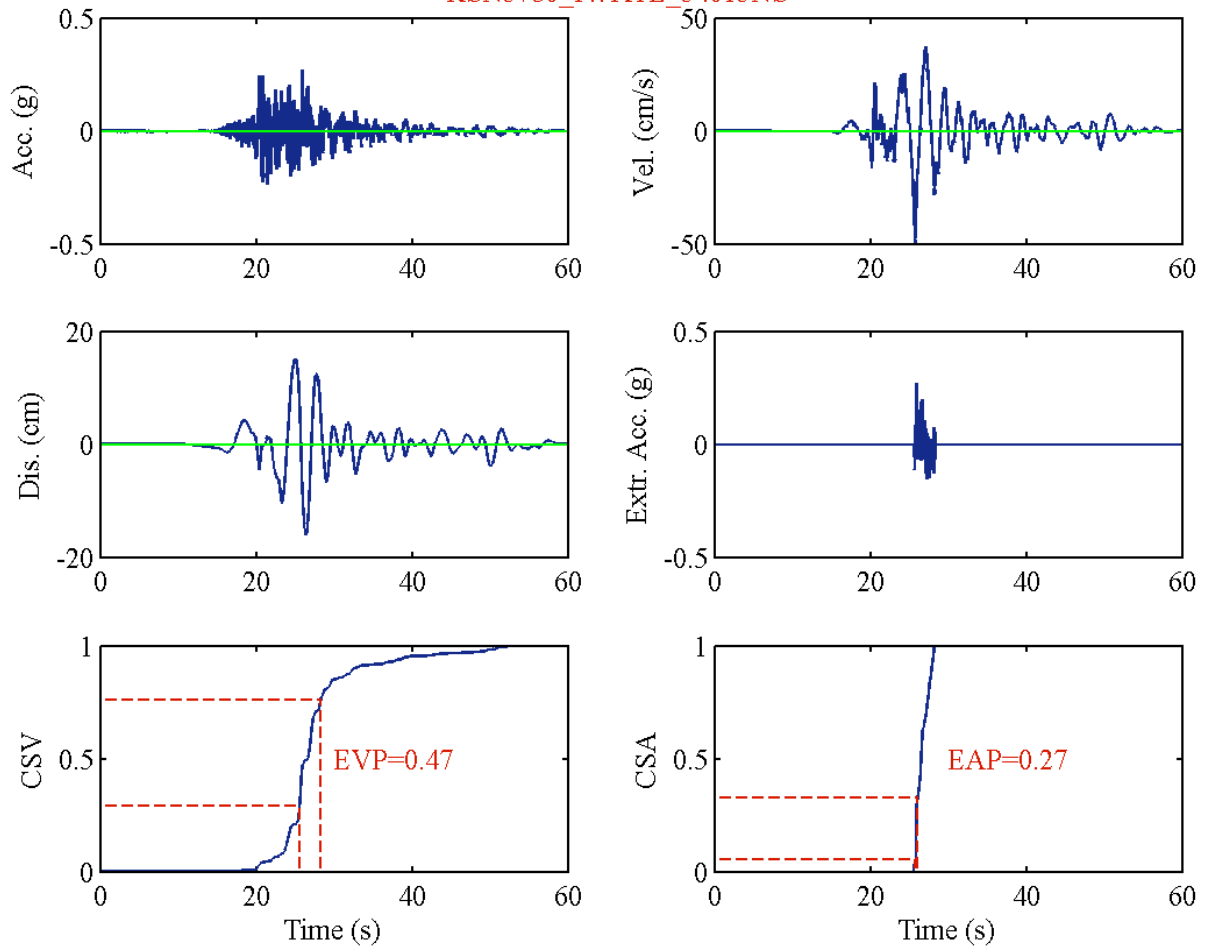
RSN5658\_IWATE\_IWTH26NS



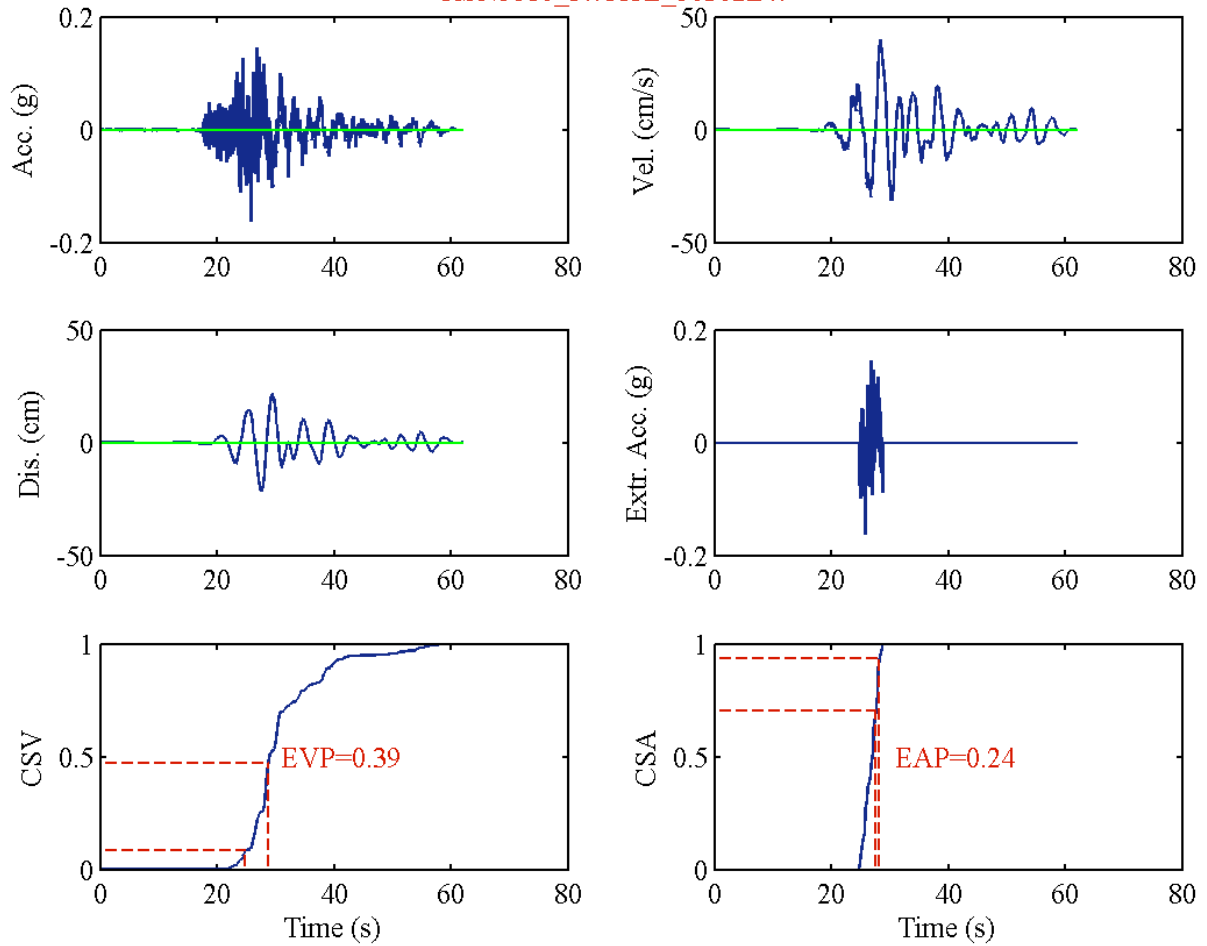
RSN5663\_IWATE\_MYG004NS



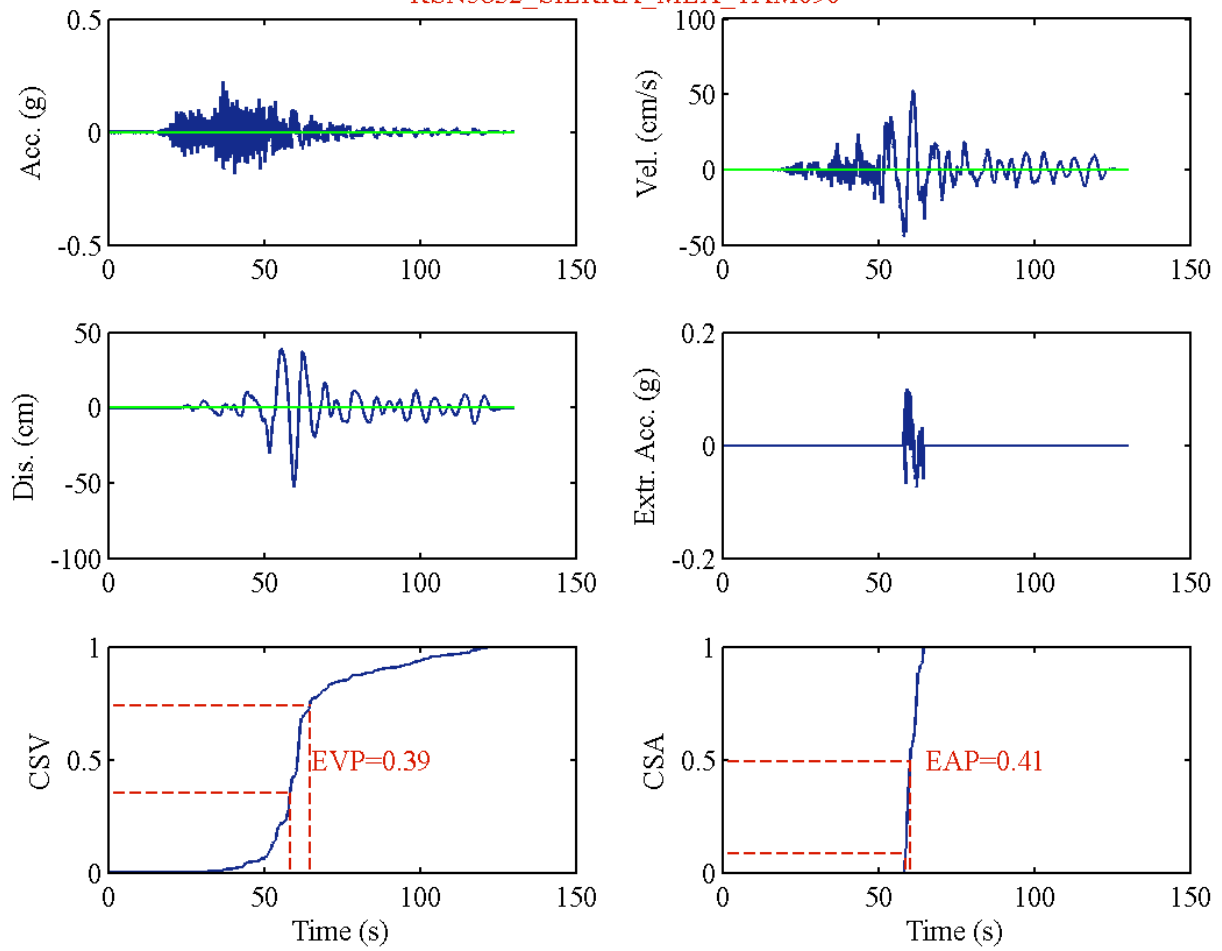
RSN5780\_IWATE\_54015NS



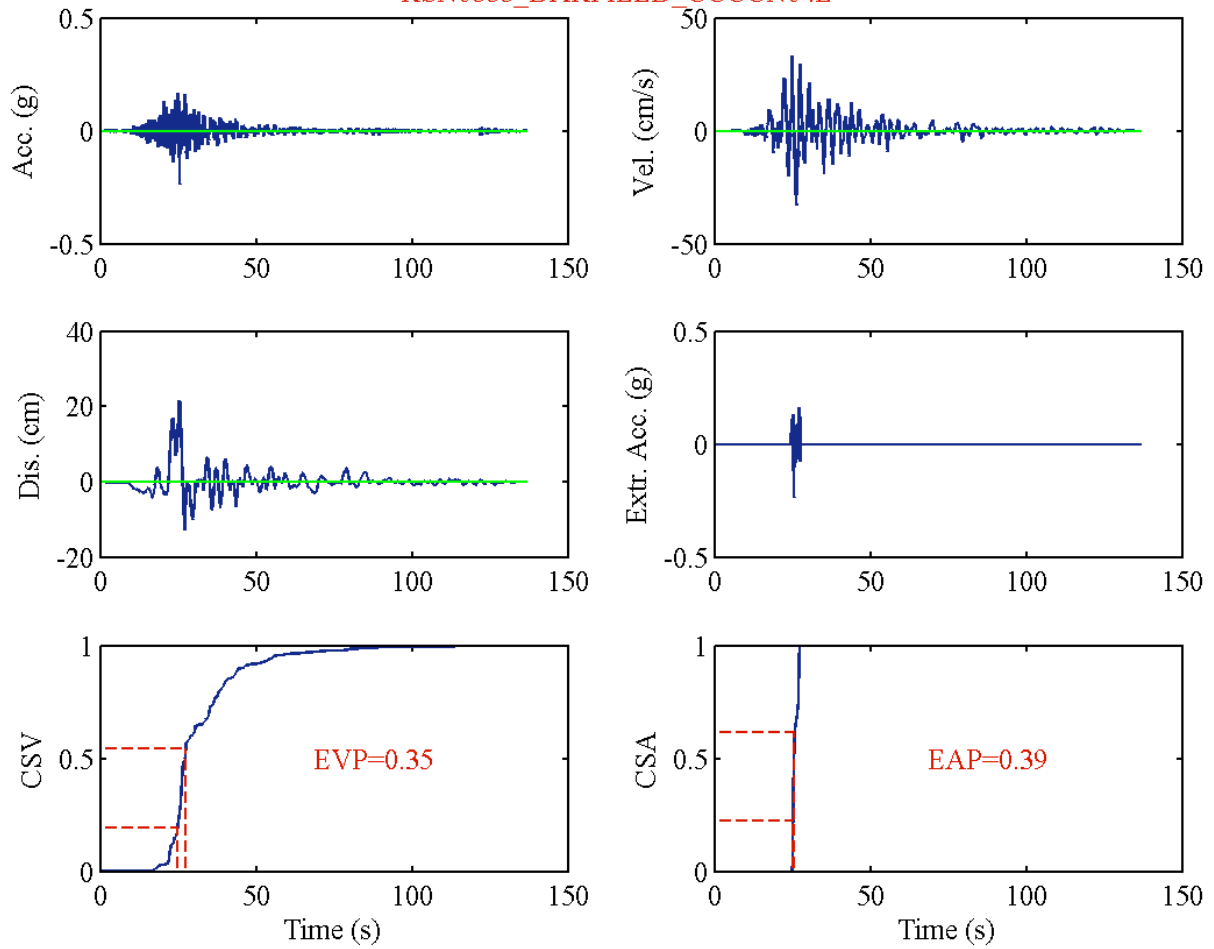
RSN5810\_IWATE\_56362EW



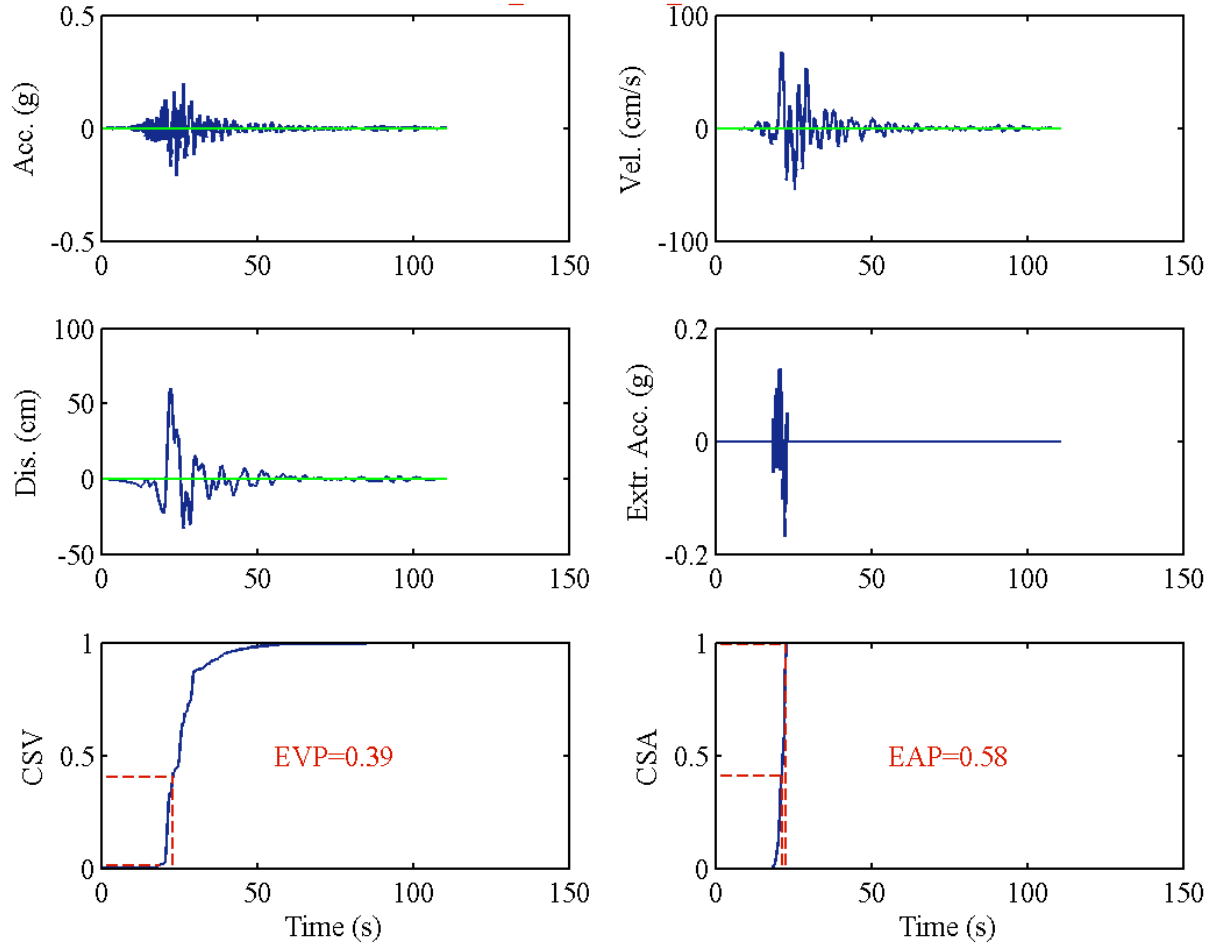
RSN5832\_SIERRA\_MEX\_TAM090



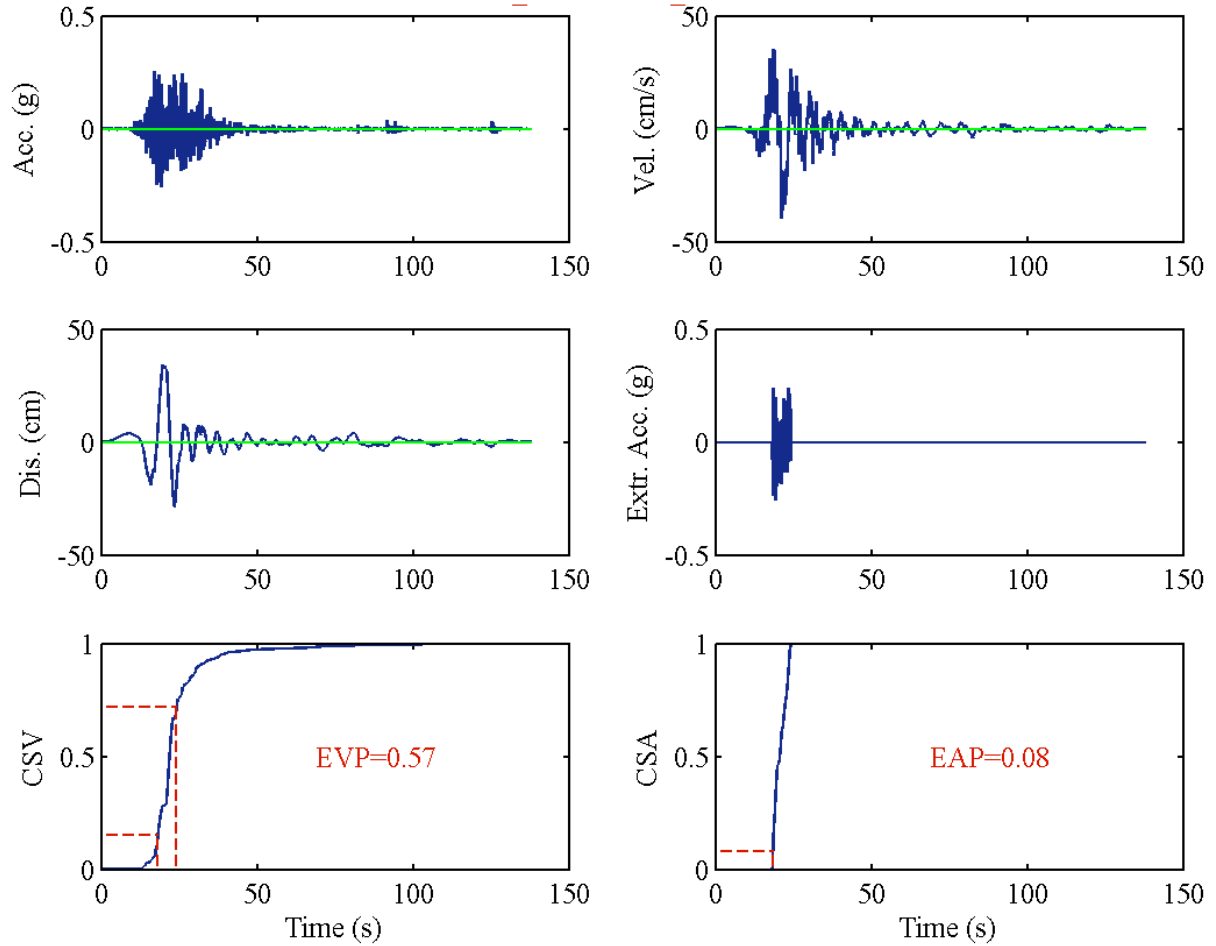
RSN6888\_DARFIELD\_CCCCN64E



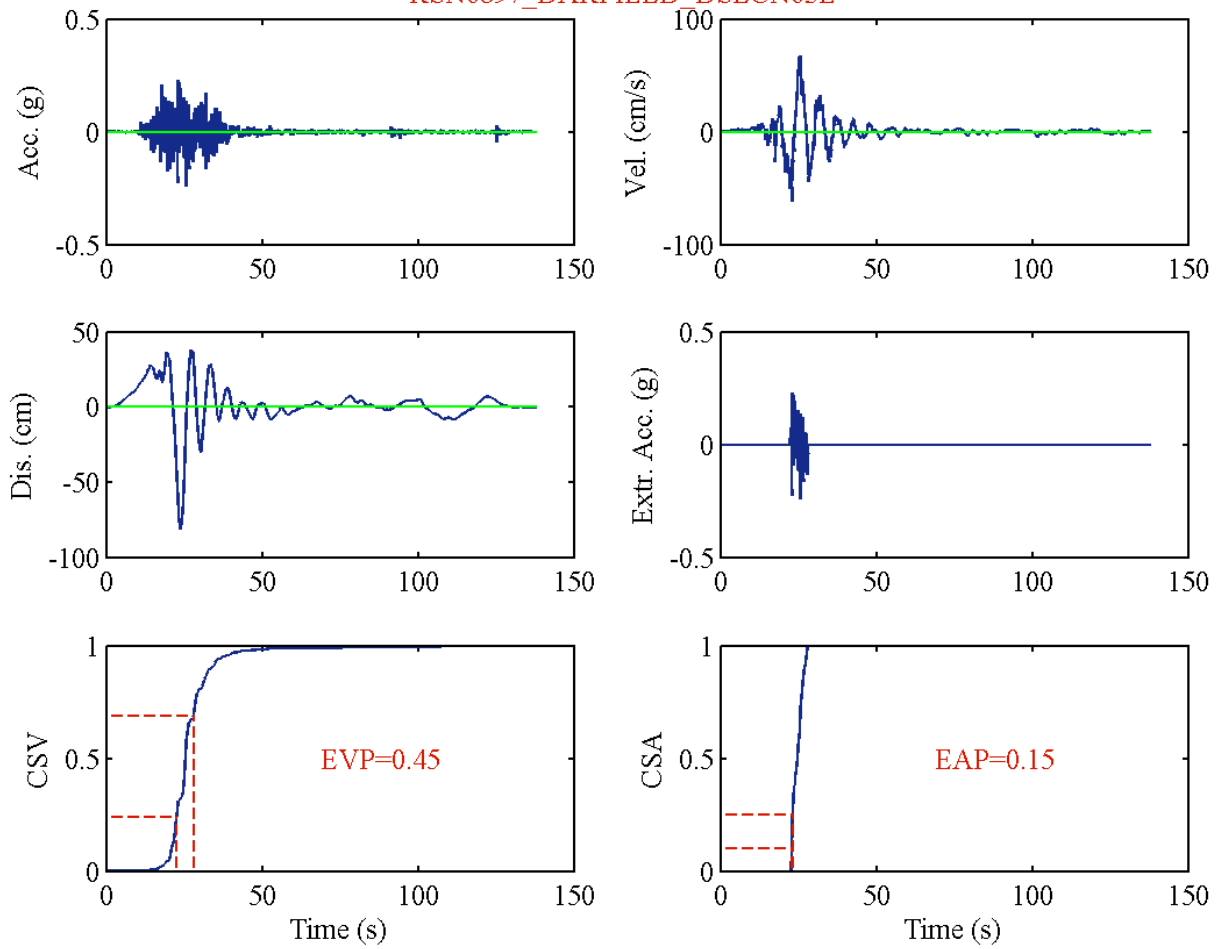
RSN6889\_DARFIELD\_CHHCN01W



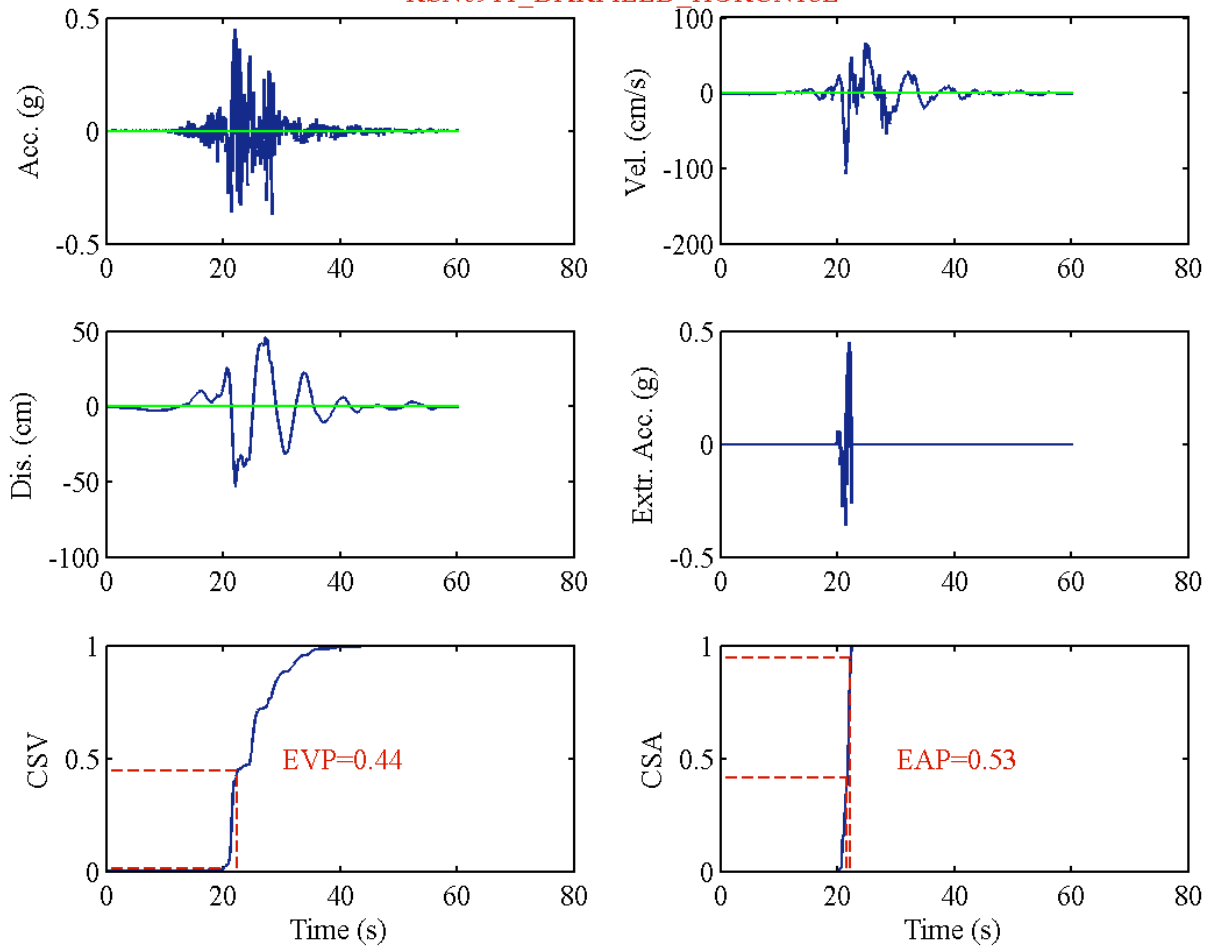
RSN6897\_DARFIELD\_DSLCN27W



RSN6897\_DARFIELD\_DSLCN63E

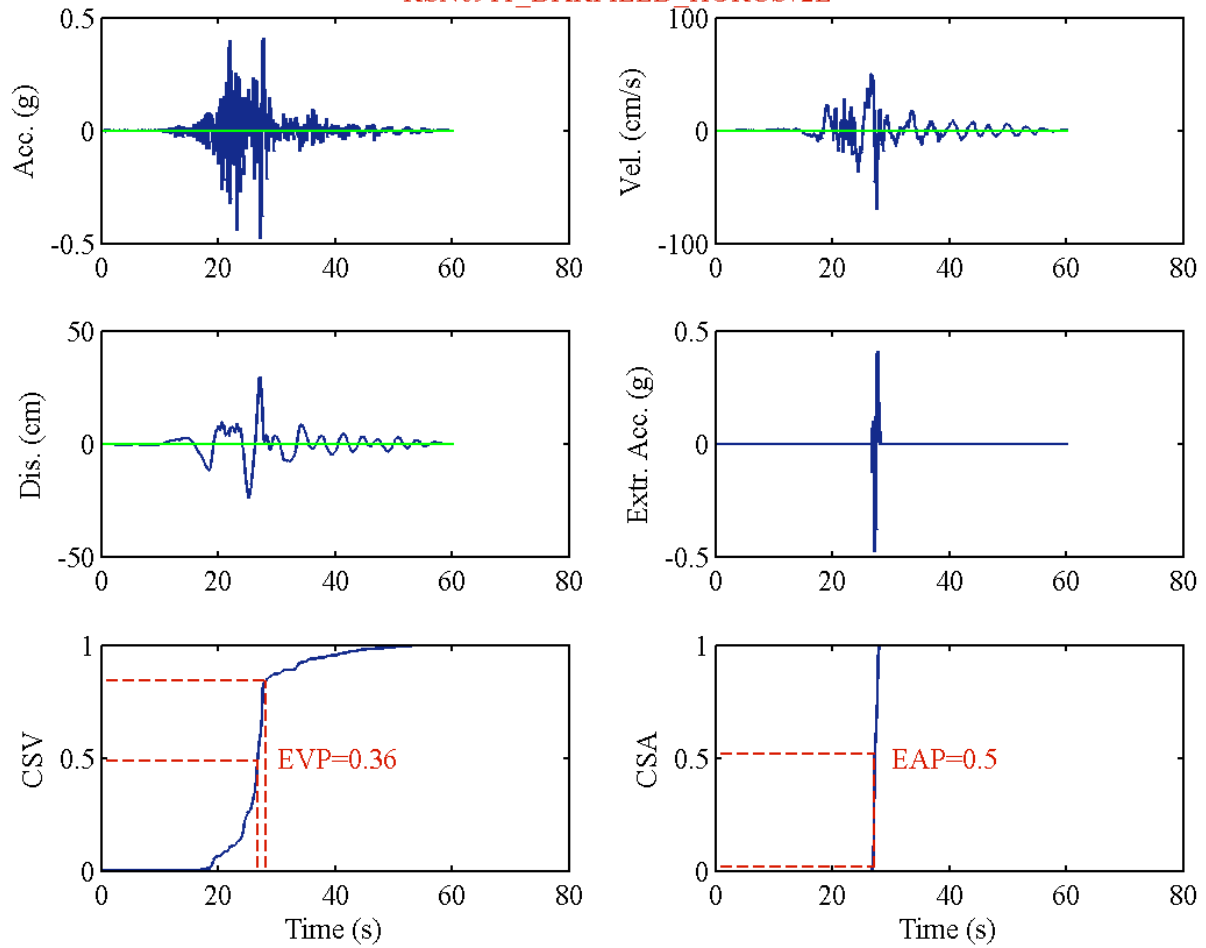


RSN6911\_DARFIELD\_HORCN18E

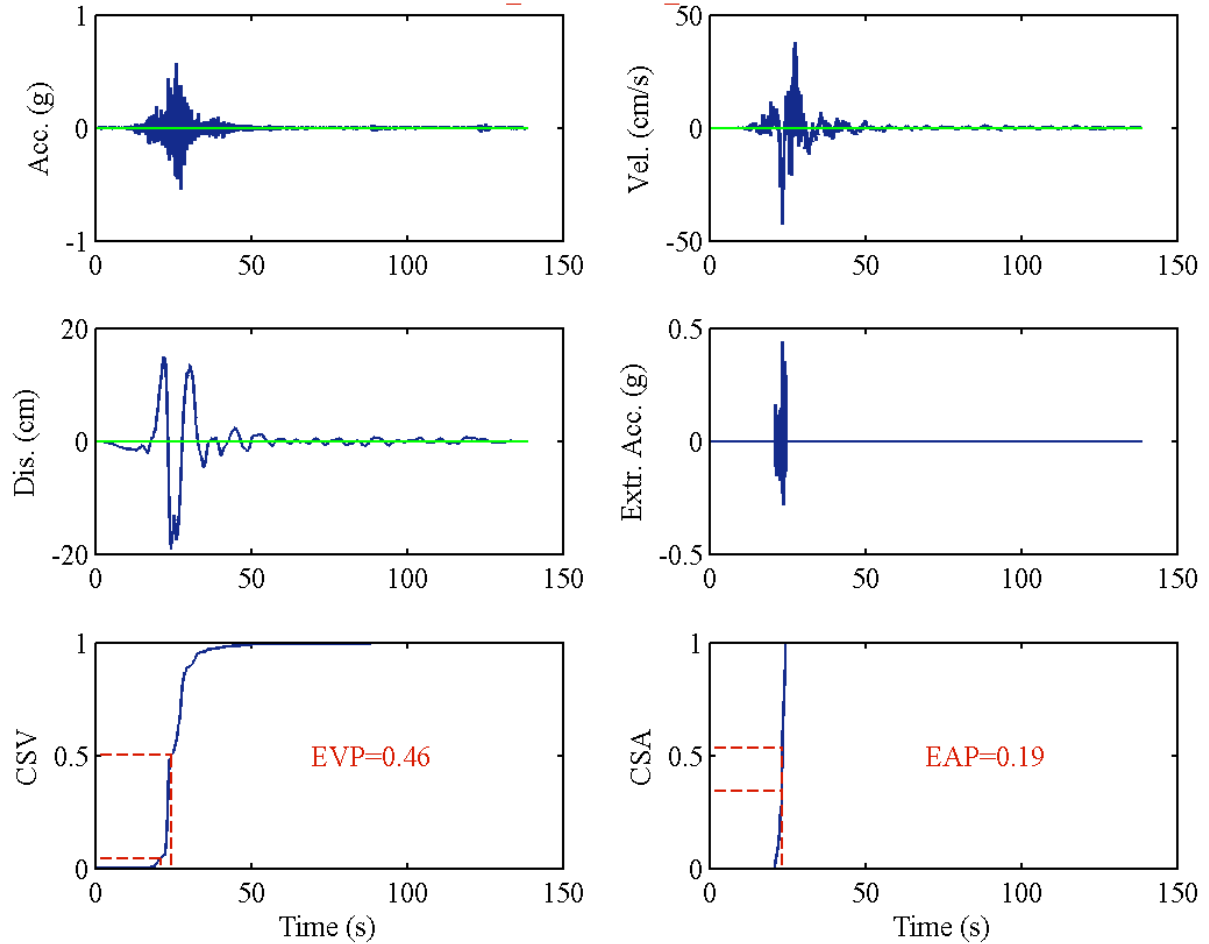




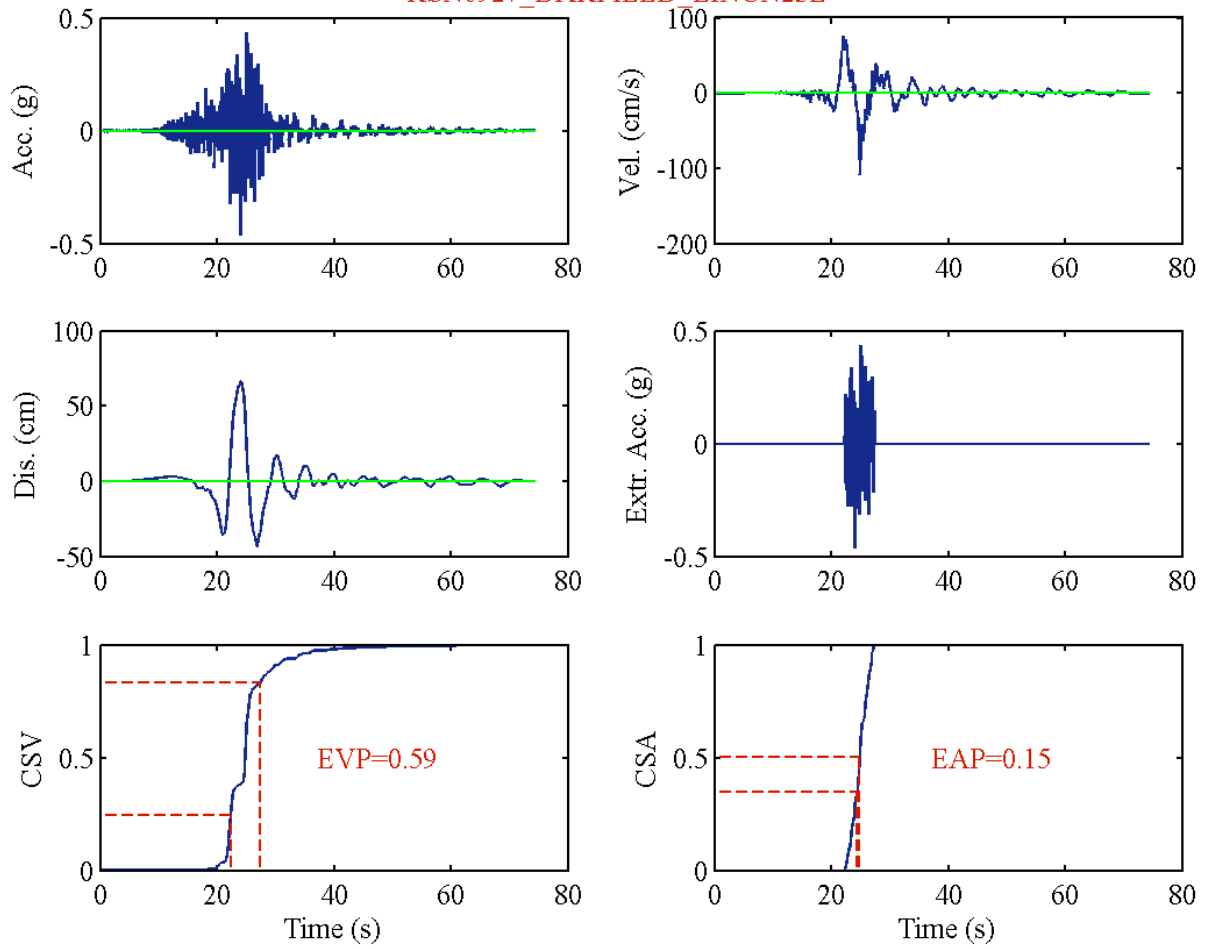
RSN6911\_DARFIELD\_HORCS72E



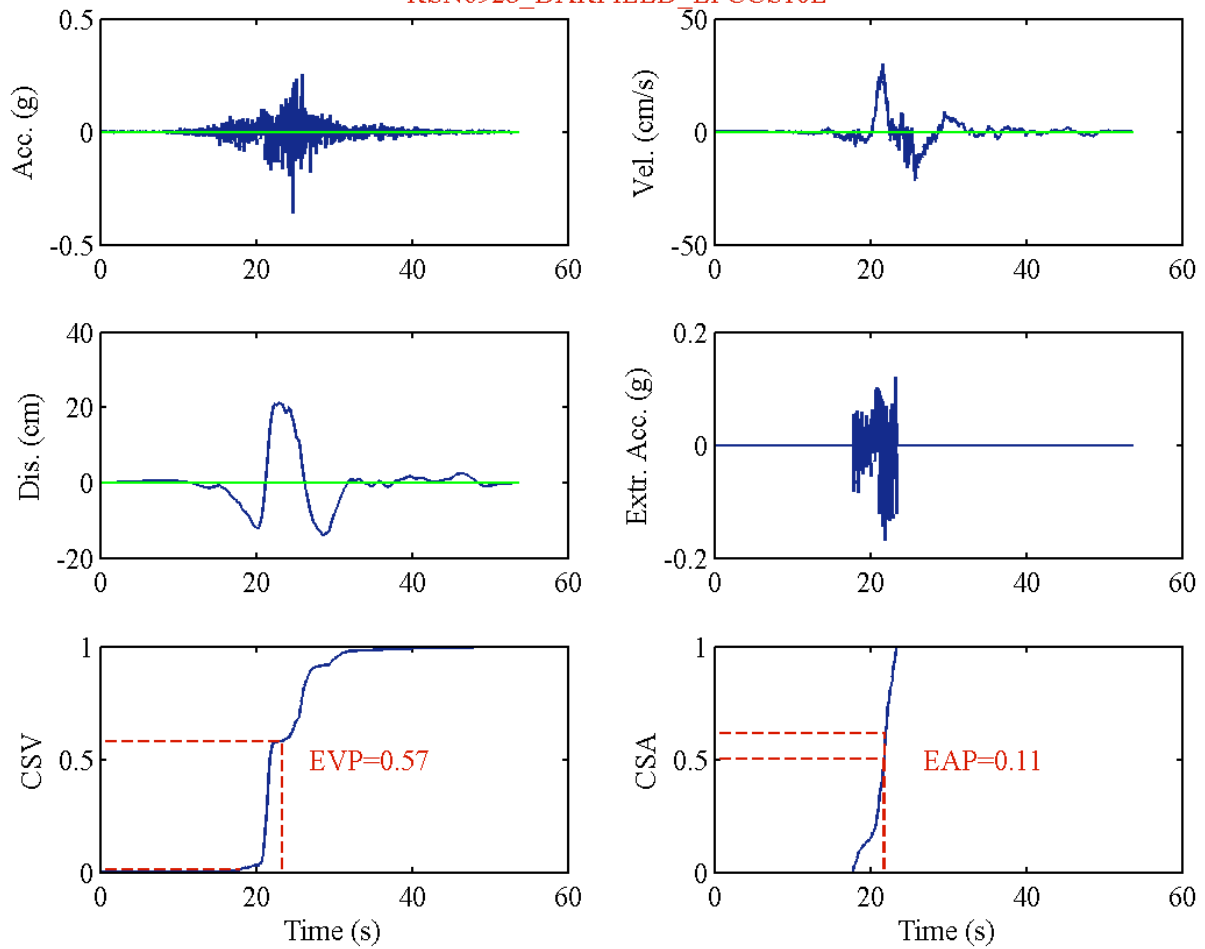
RSN6915\_DARFIELD\_HVSCS26W



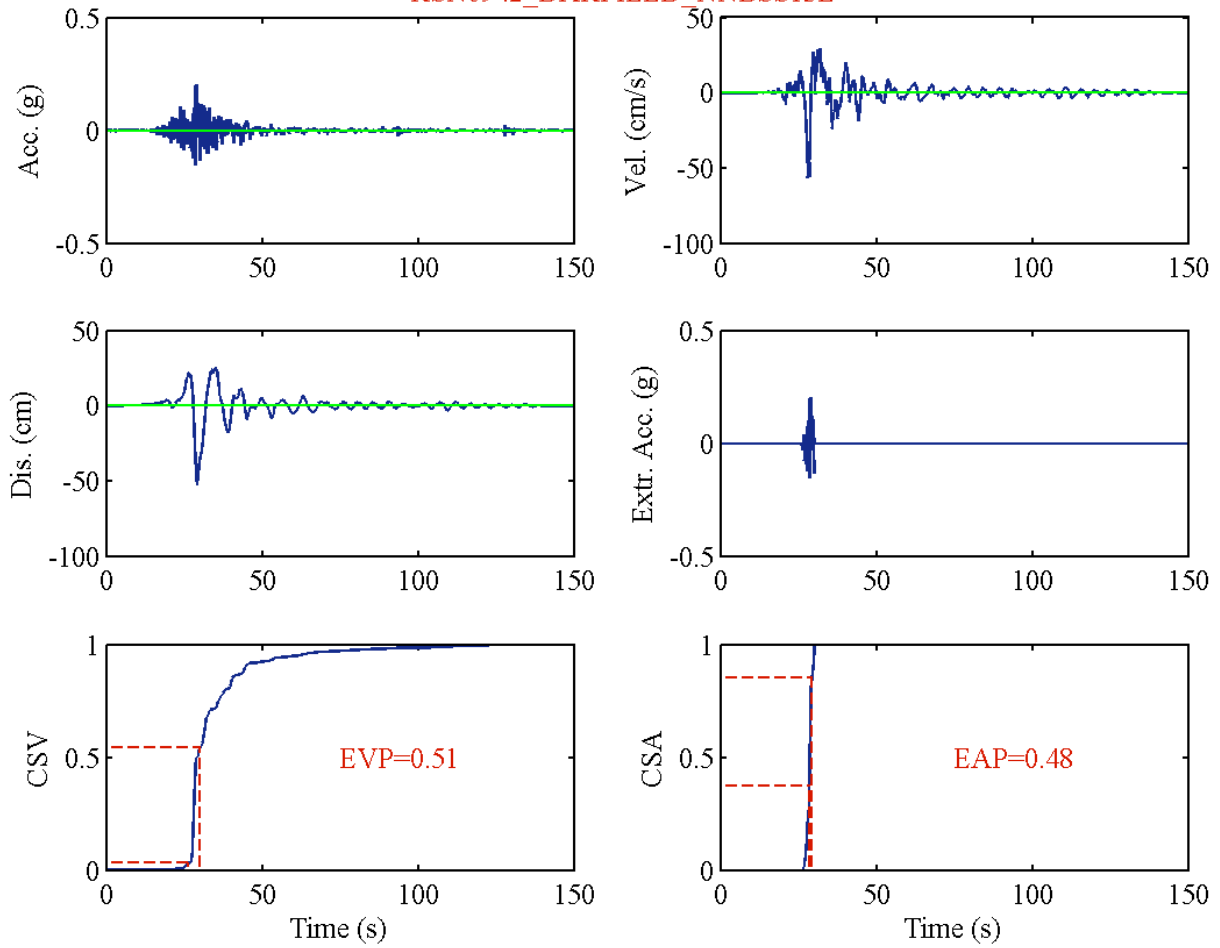
RSN6927\_DARFIELD\_LINCN23E



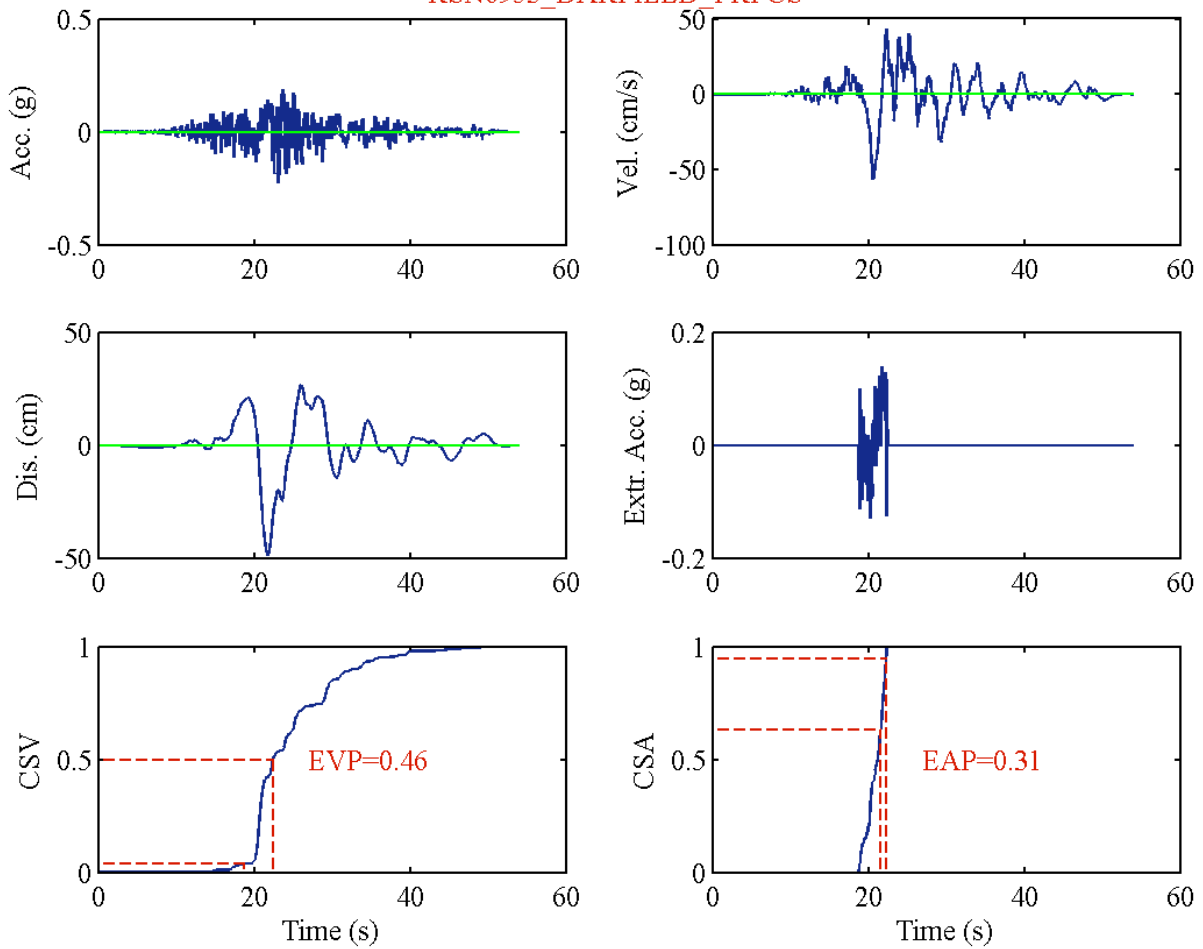
RSN6928\_DARFIELD\_LPCCS10E



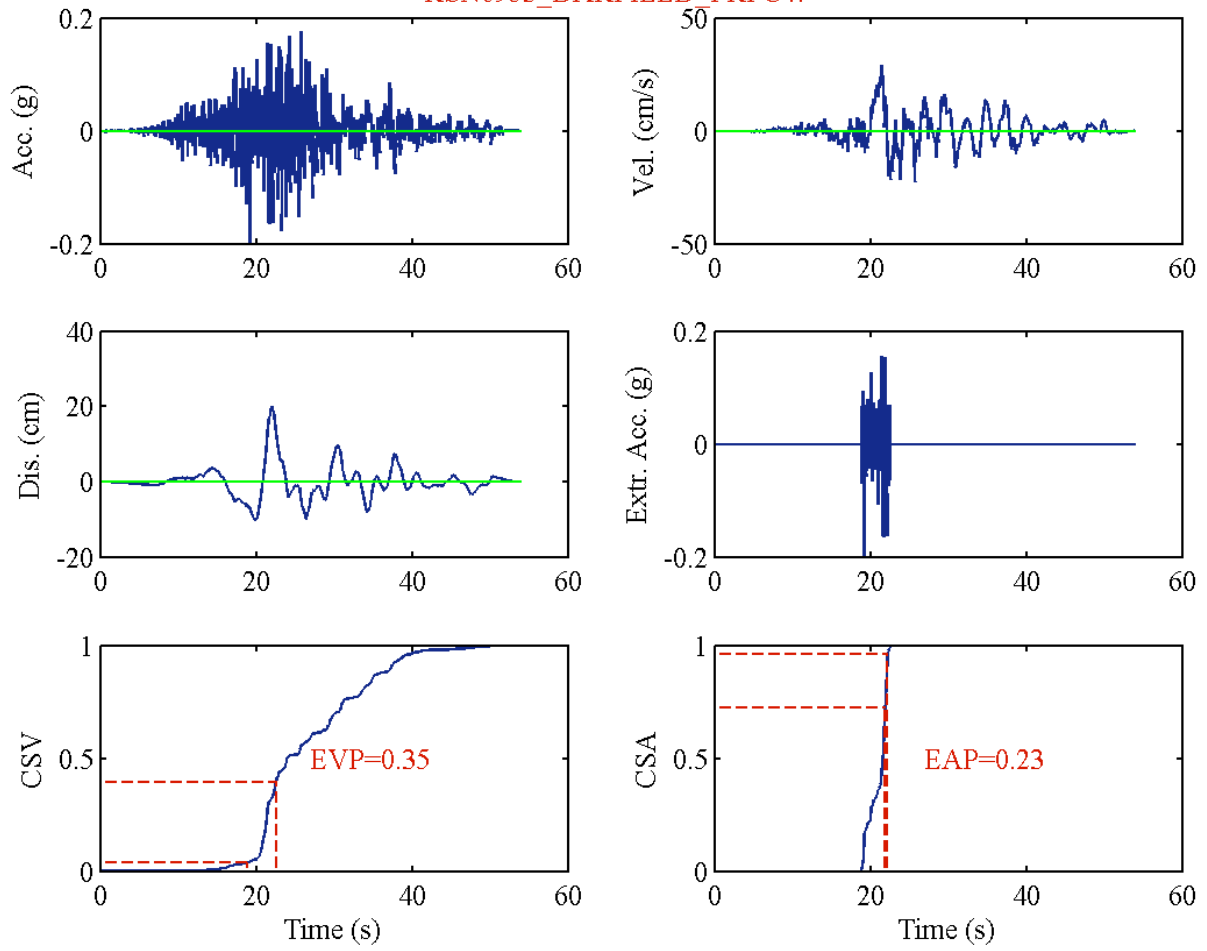
RSN6942\_DARFIELD\_NNBSS13E



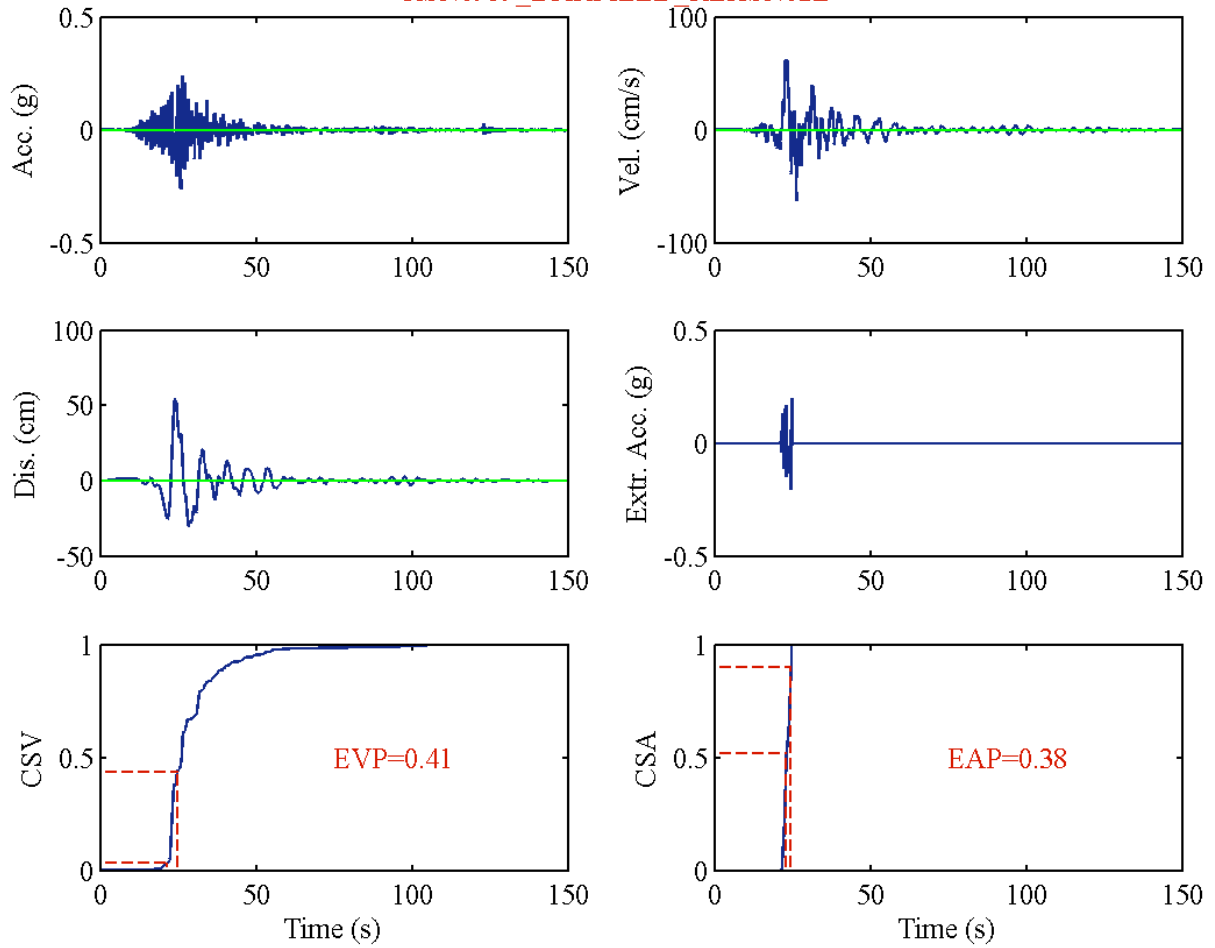
RSN6953\_DARFIELD\_PRPCS



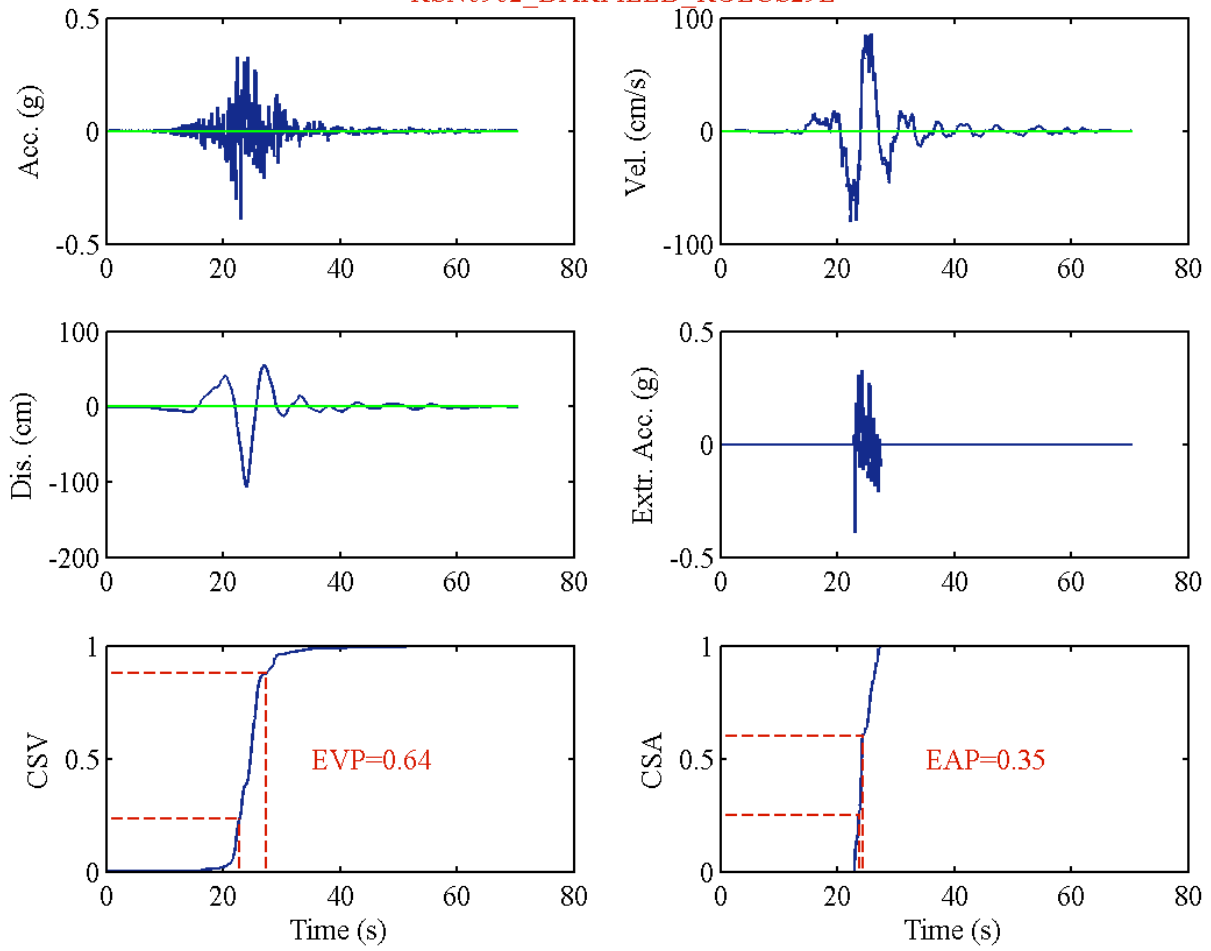
RSN6953\_DARFIELD\_PRPCW



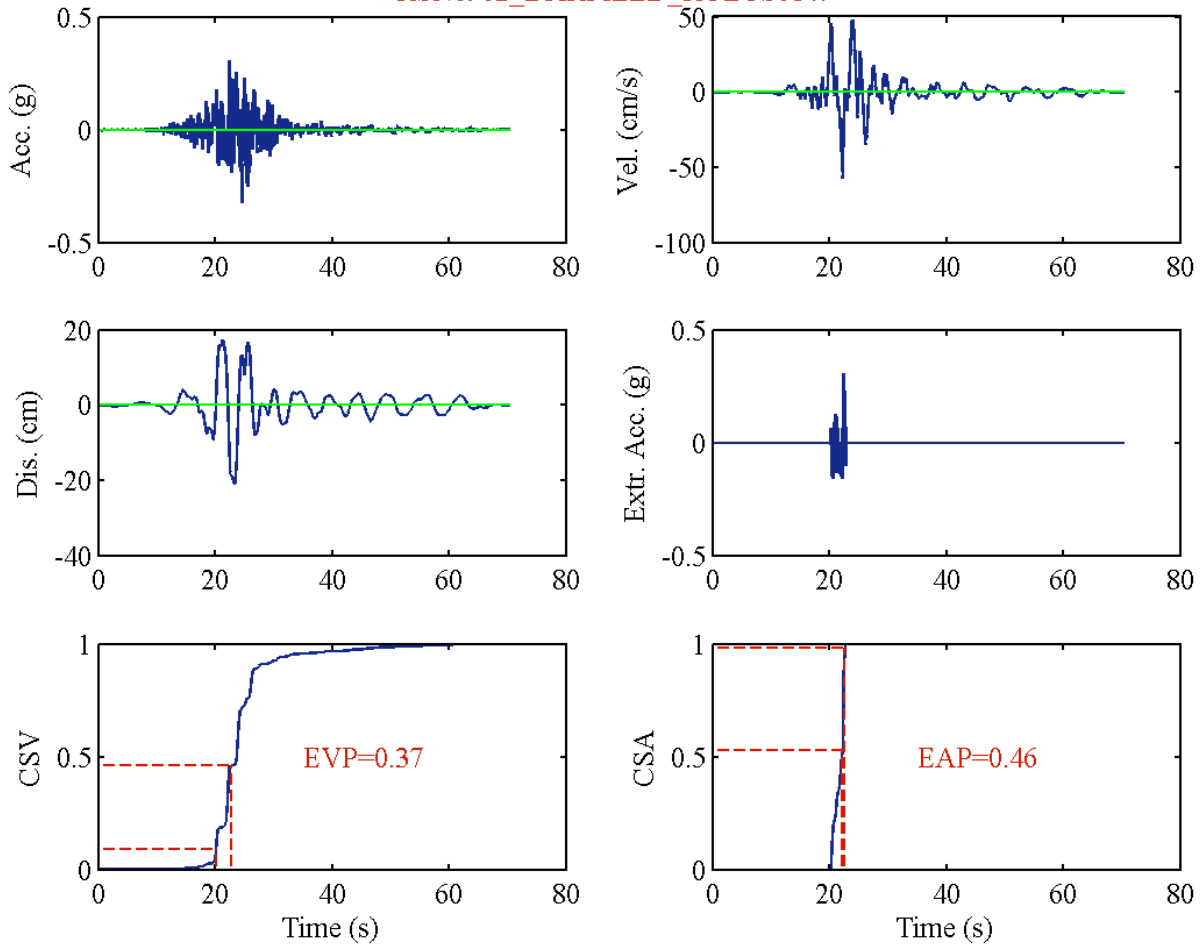
RSN6959\_DARFIELD\_REHSN02E



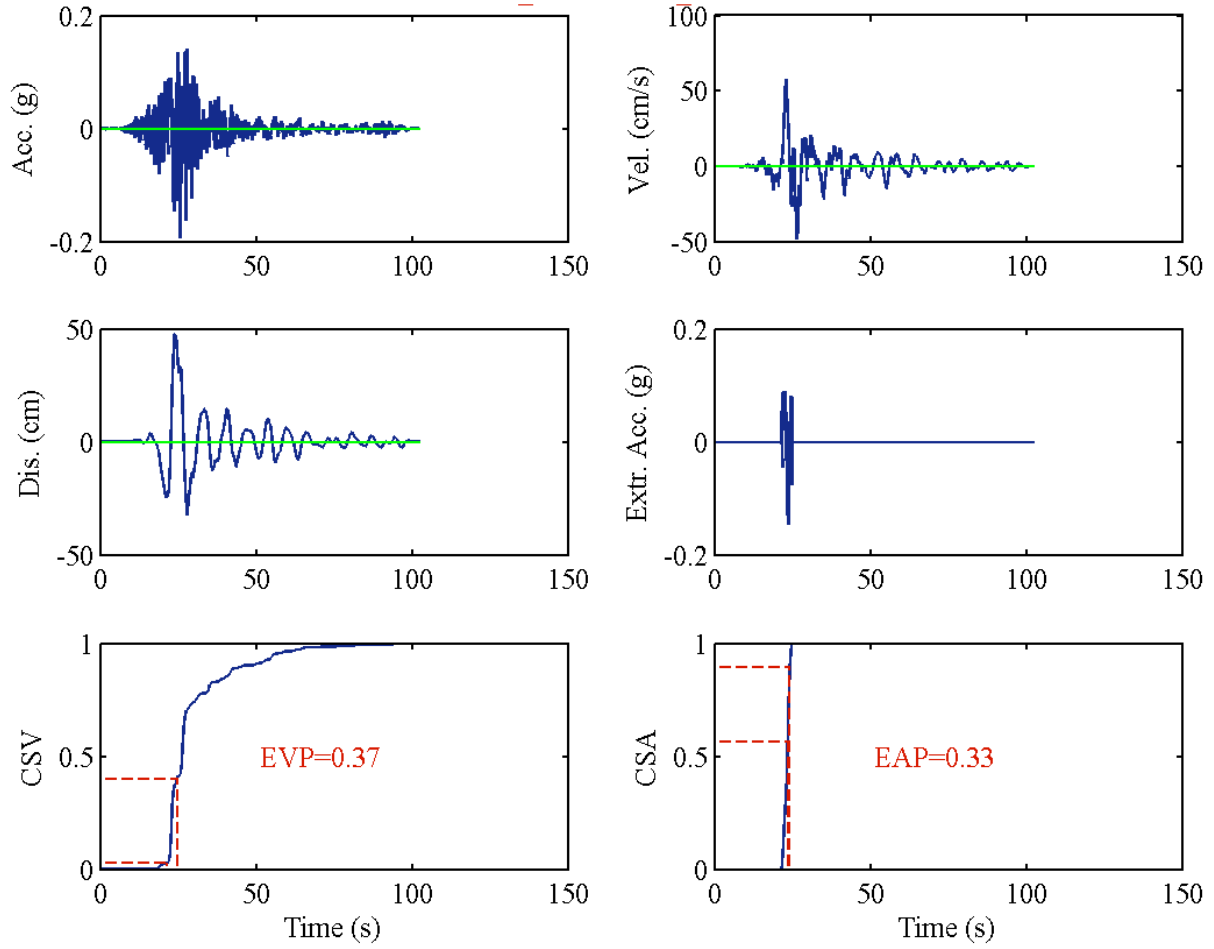
RSN6962\_DARFIELD\_ROLCS29E



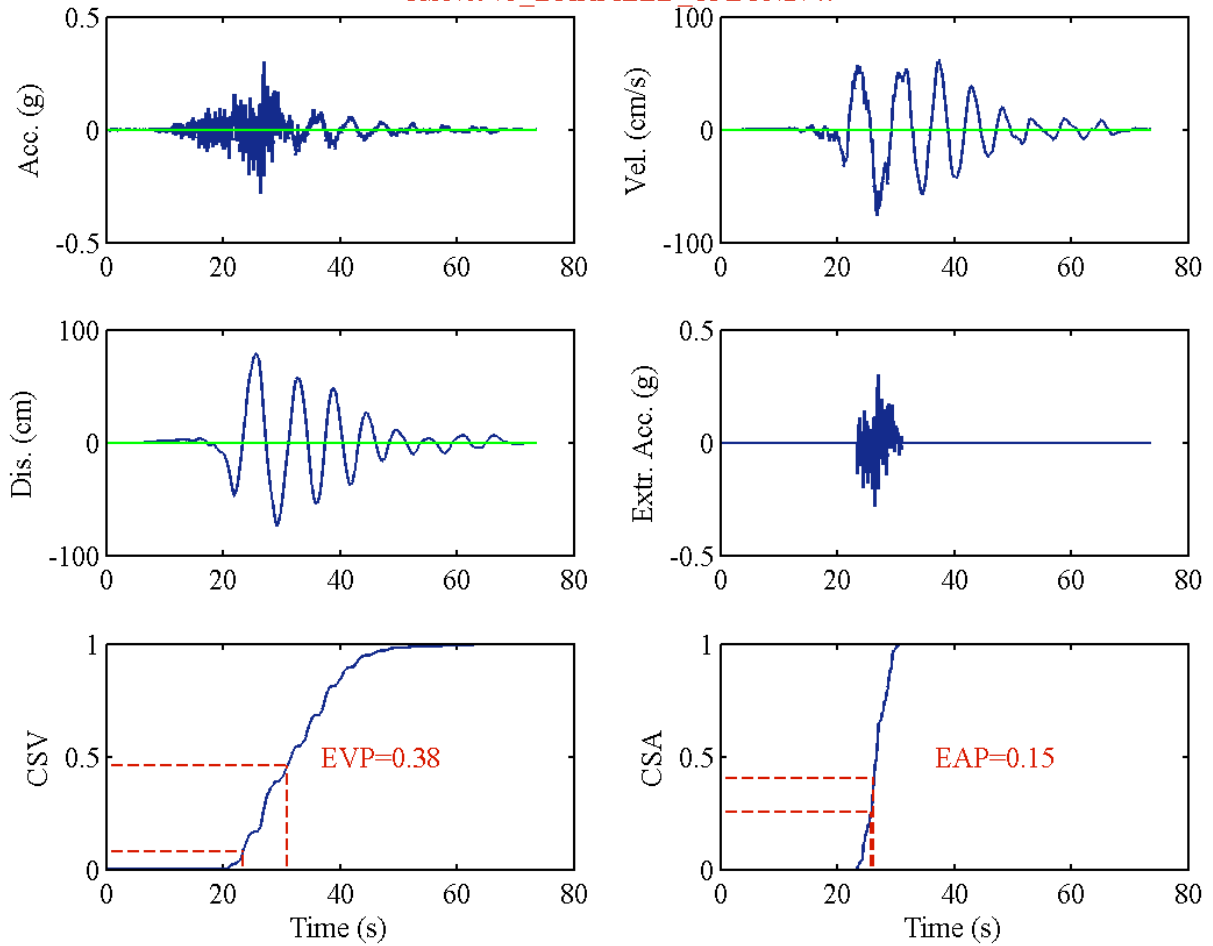
RSN6962\_DARFIELD\_ROLCS61W



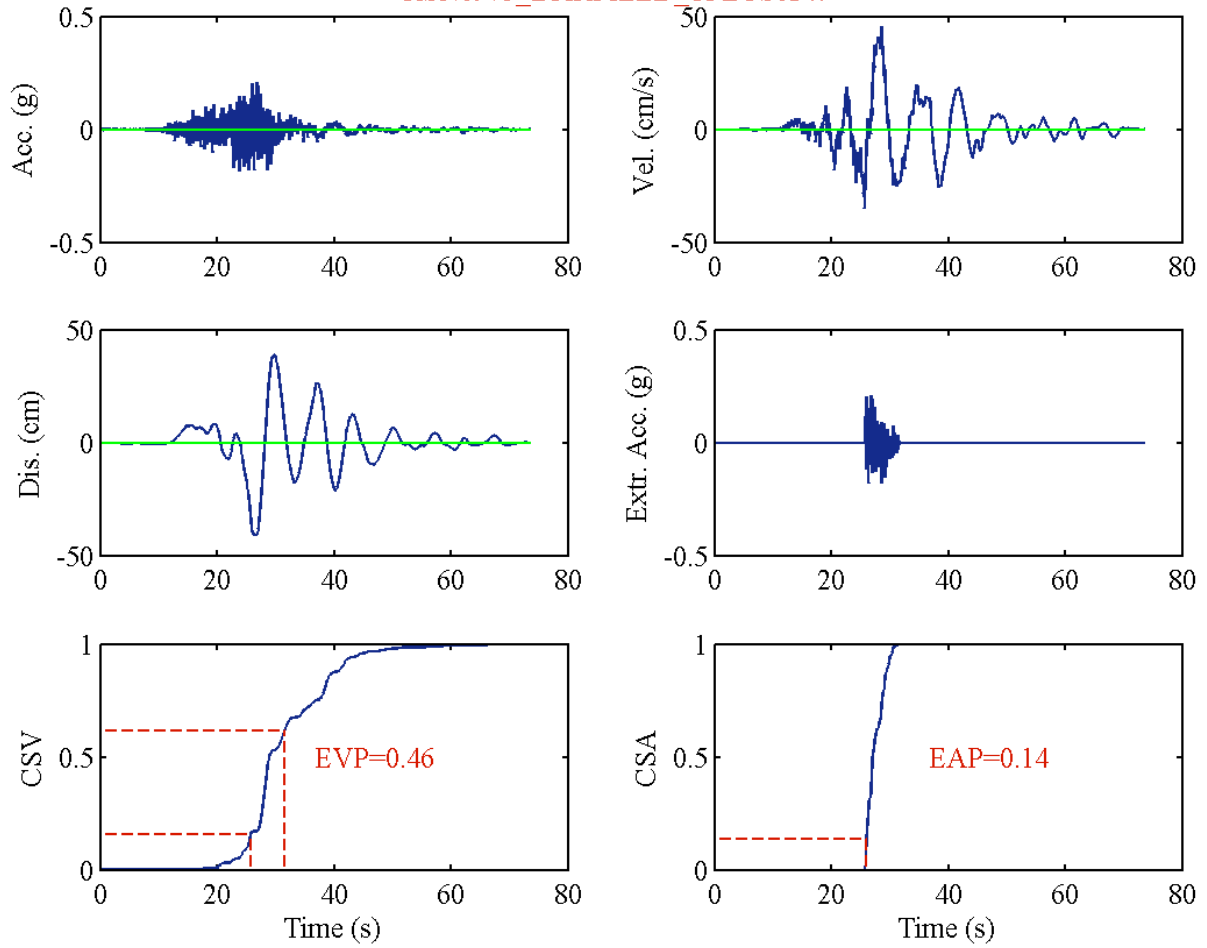
RSN6966\_DARFIELD\_SHLCS50E



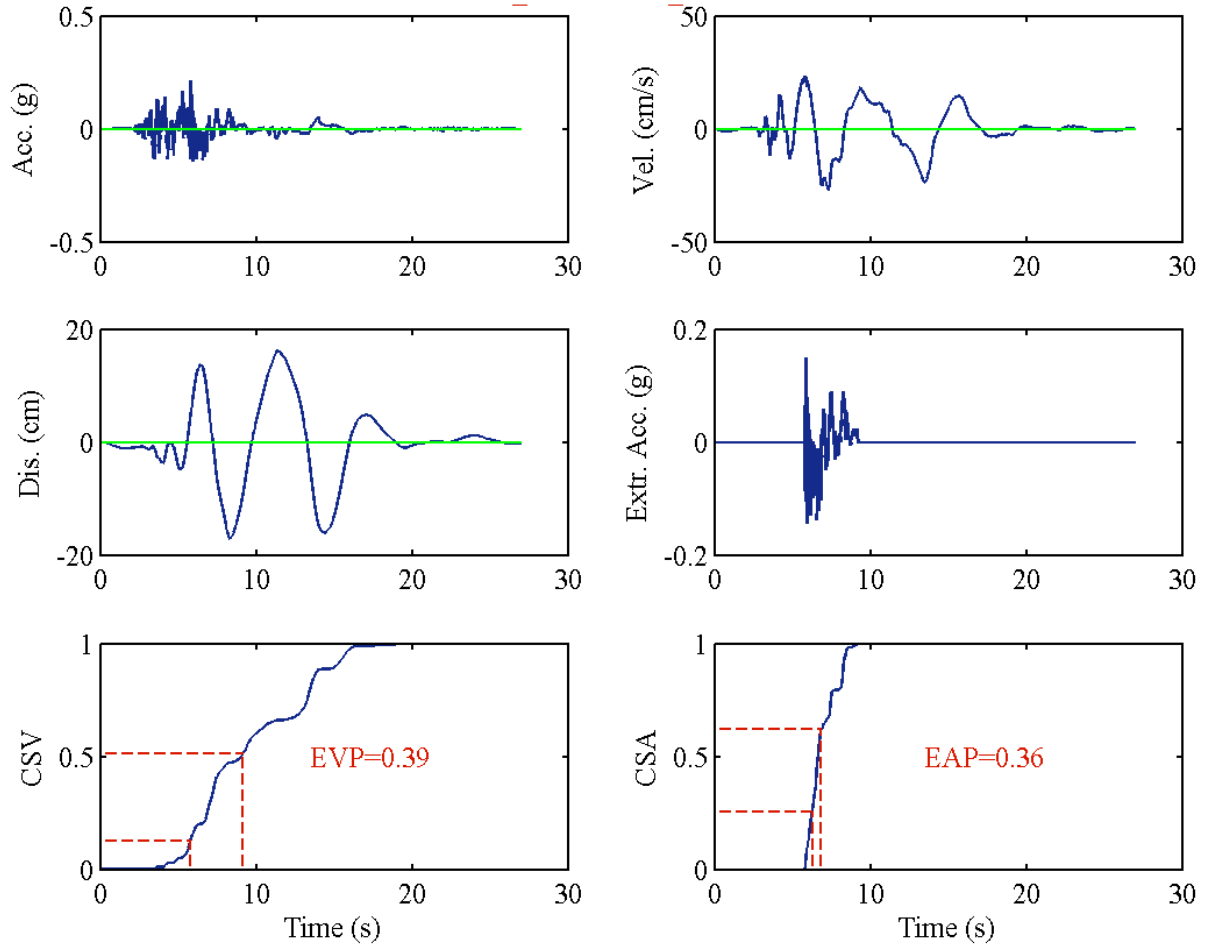
RSN6975\_DARFIELD\_TPLCN27W



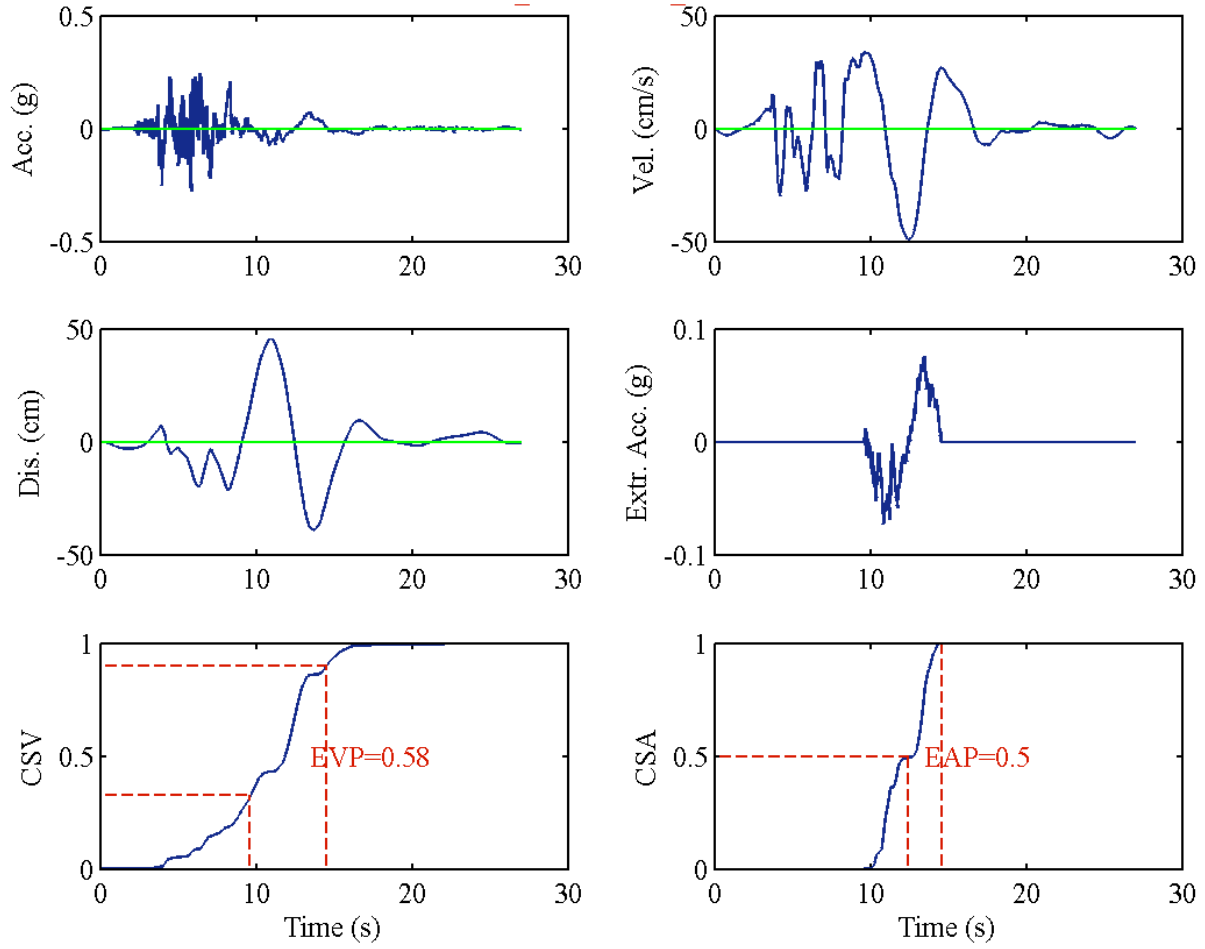
RSN6975\_DARFIELD\_TPLCS63W



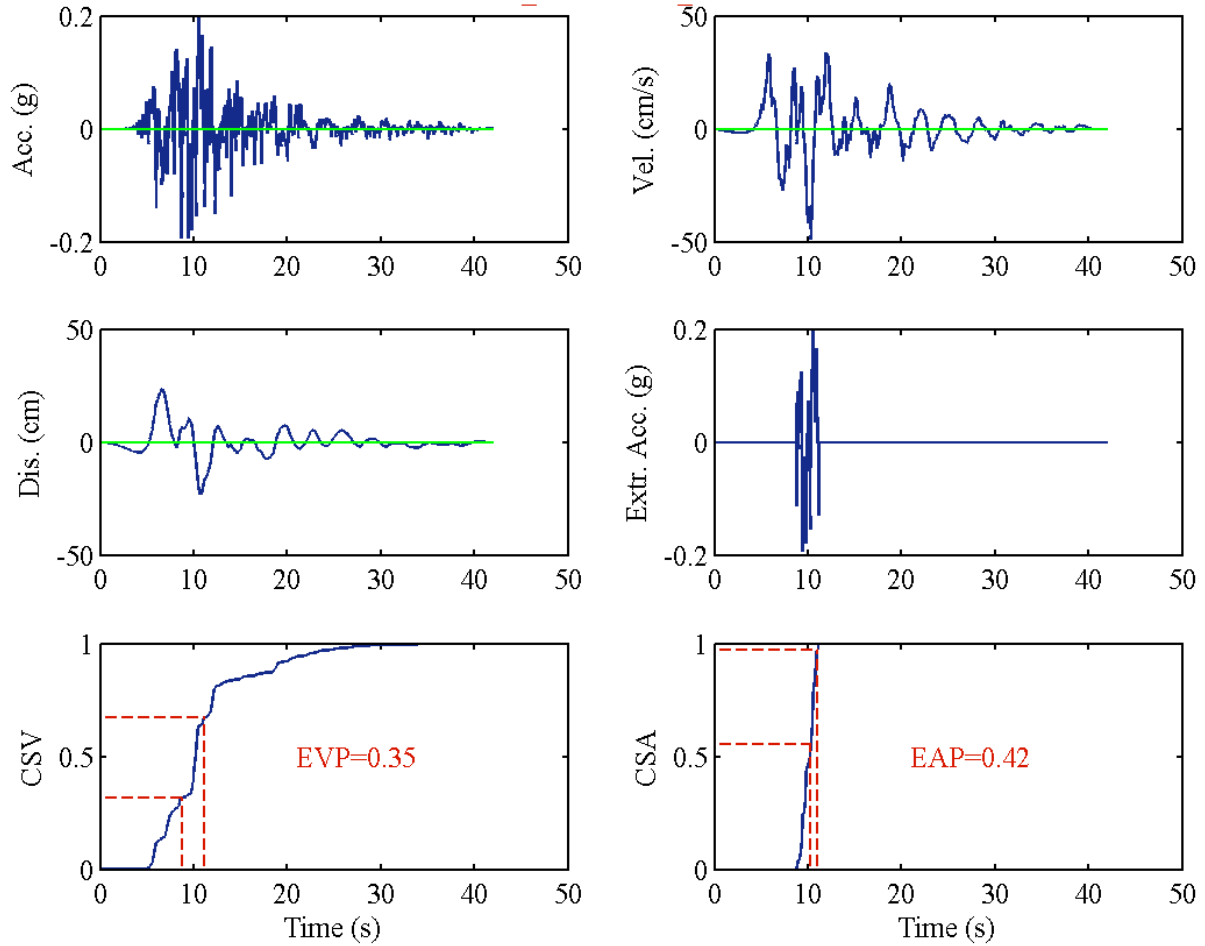
RSN8090\_CCHURCH\_HPSCN04W



RSN8090\_CCHURCH\_HPSCS86W

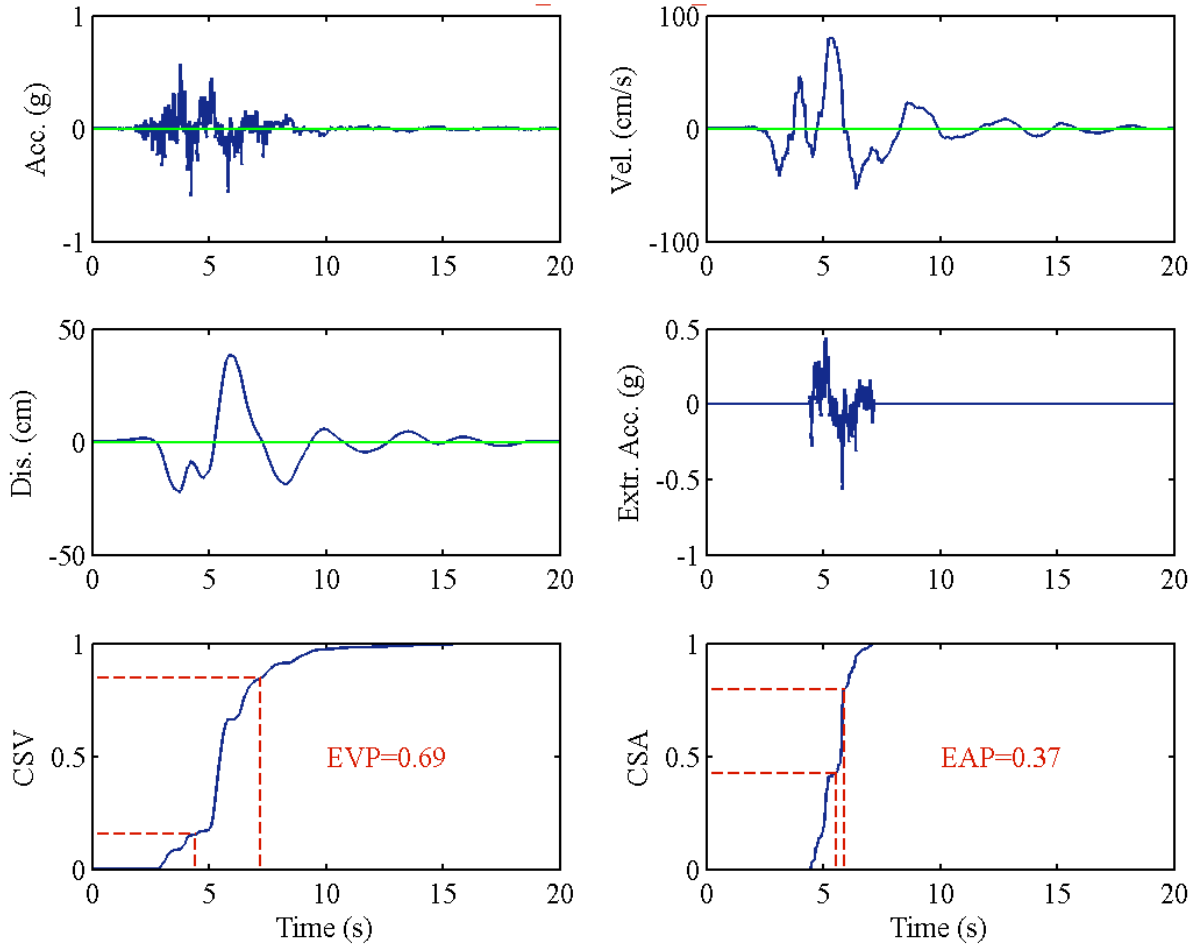


RSN8118\_CCHURCH\_PPHSS57E

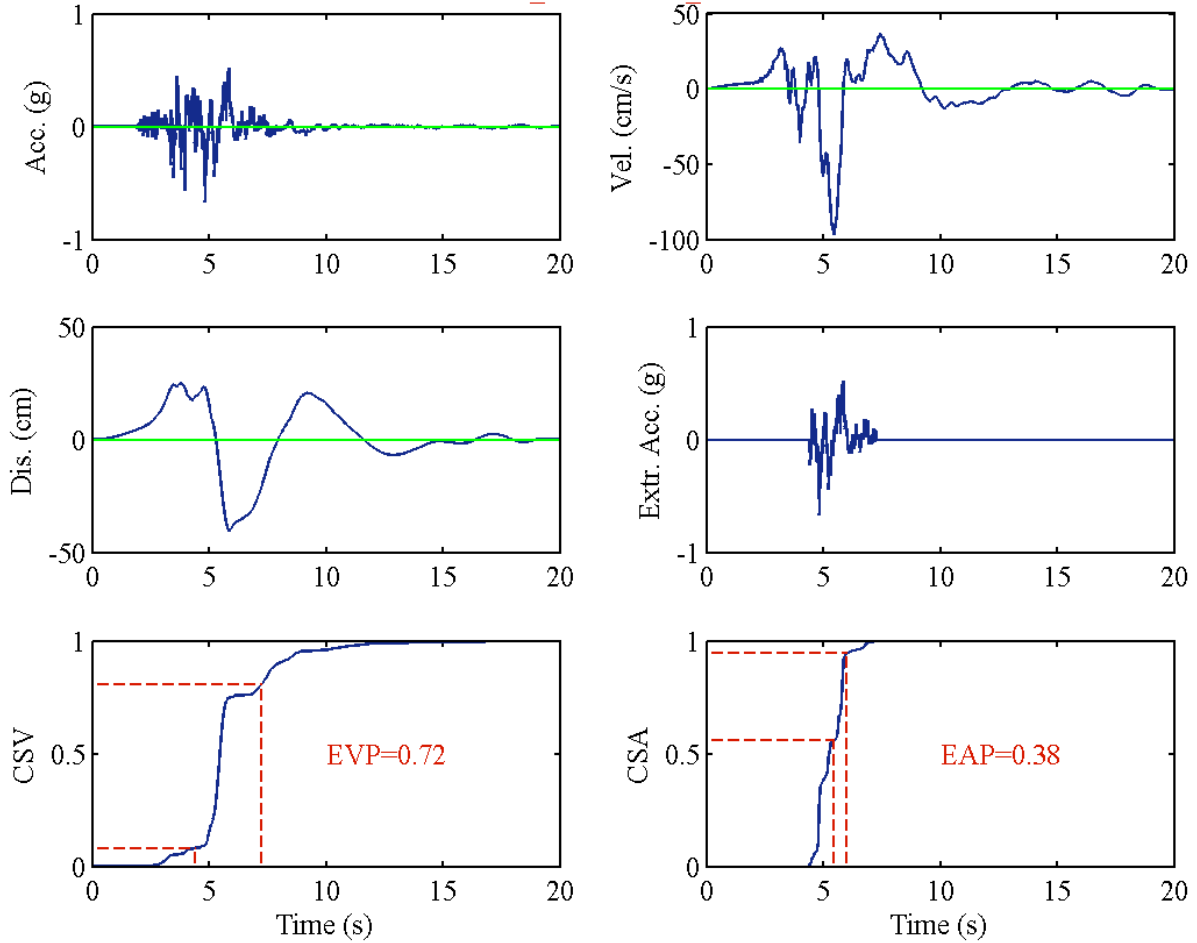




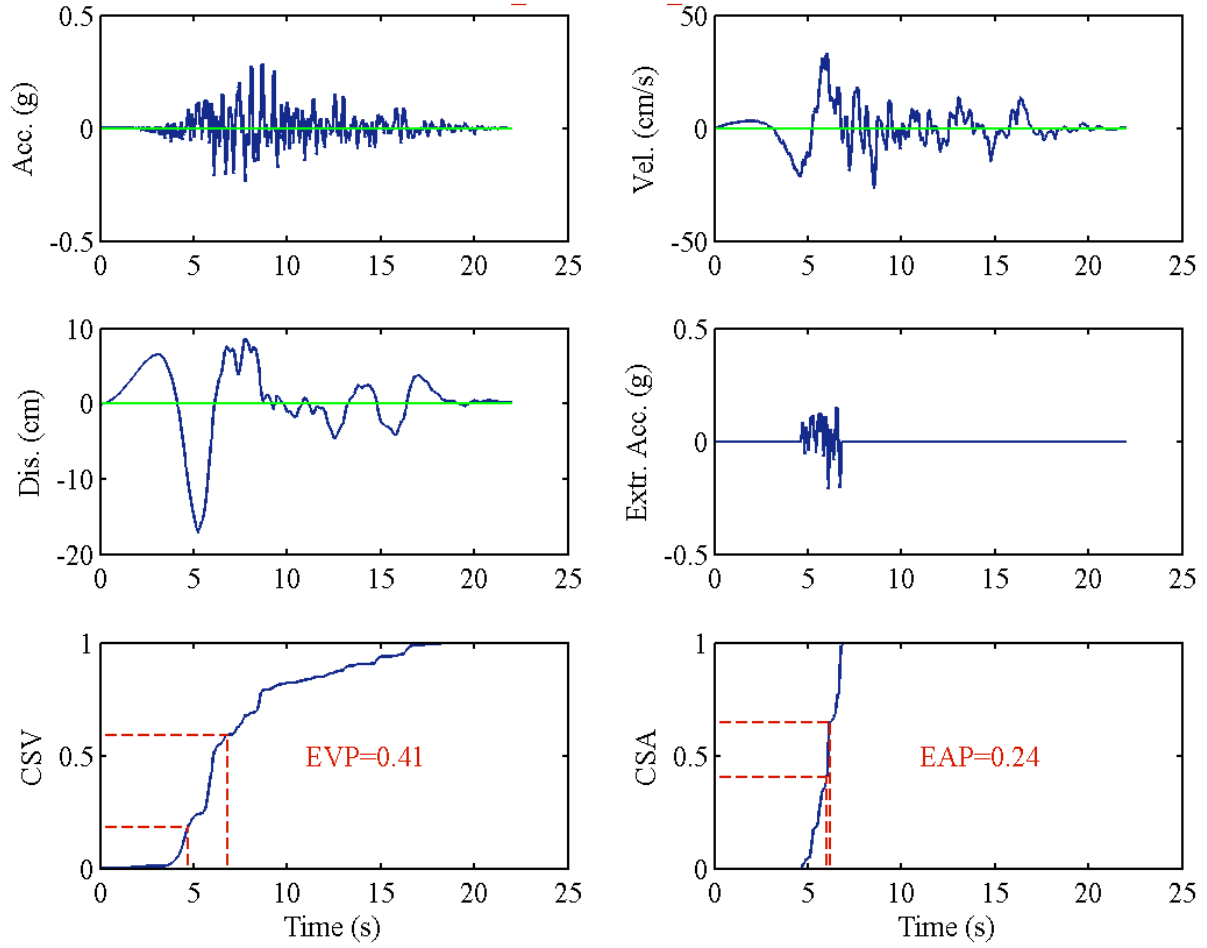
### RSN8119\_CCHURCH\_PRPCS



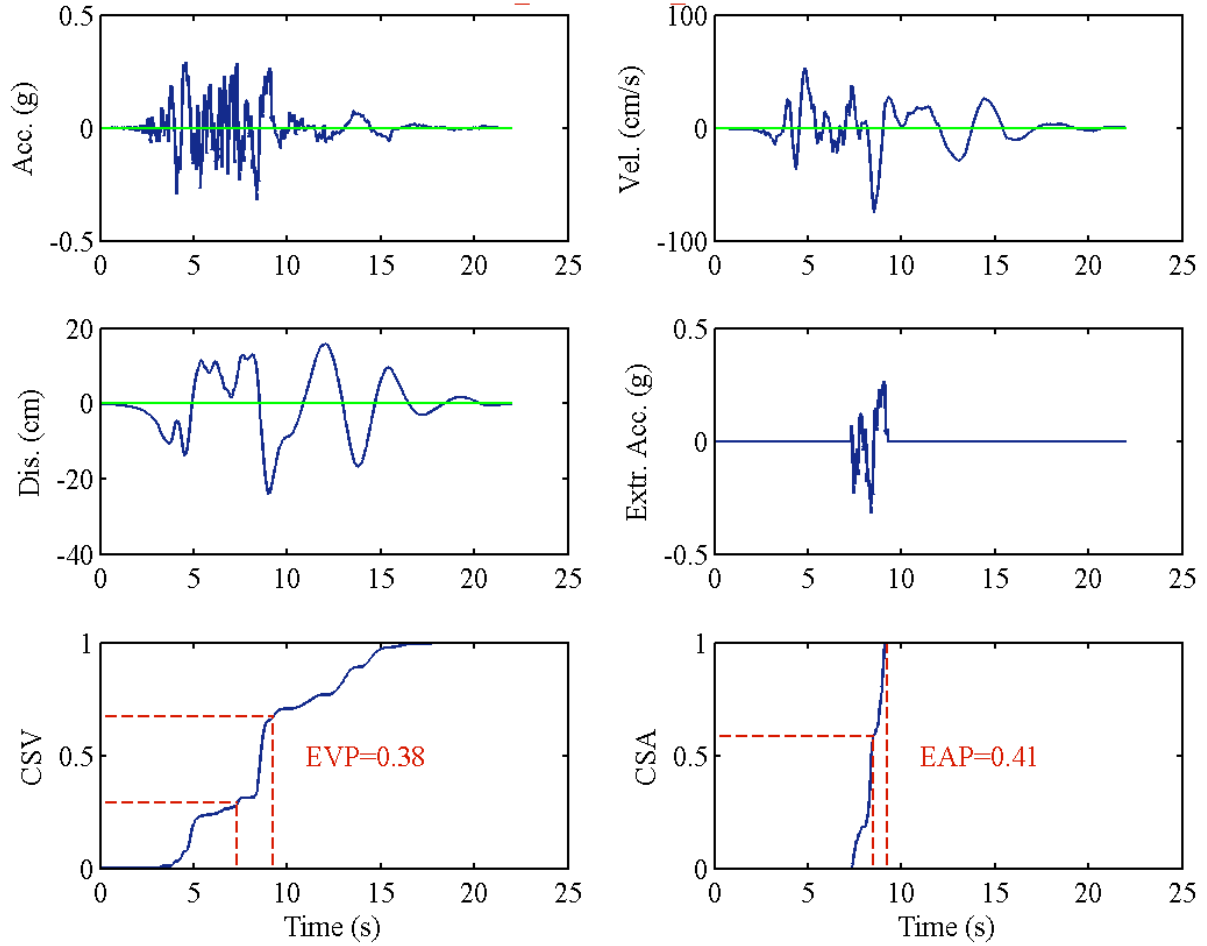
### RSN8119\_CCHURCH\_PRPCW



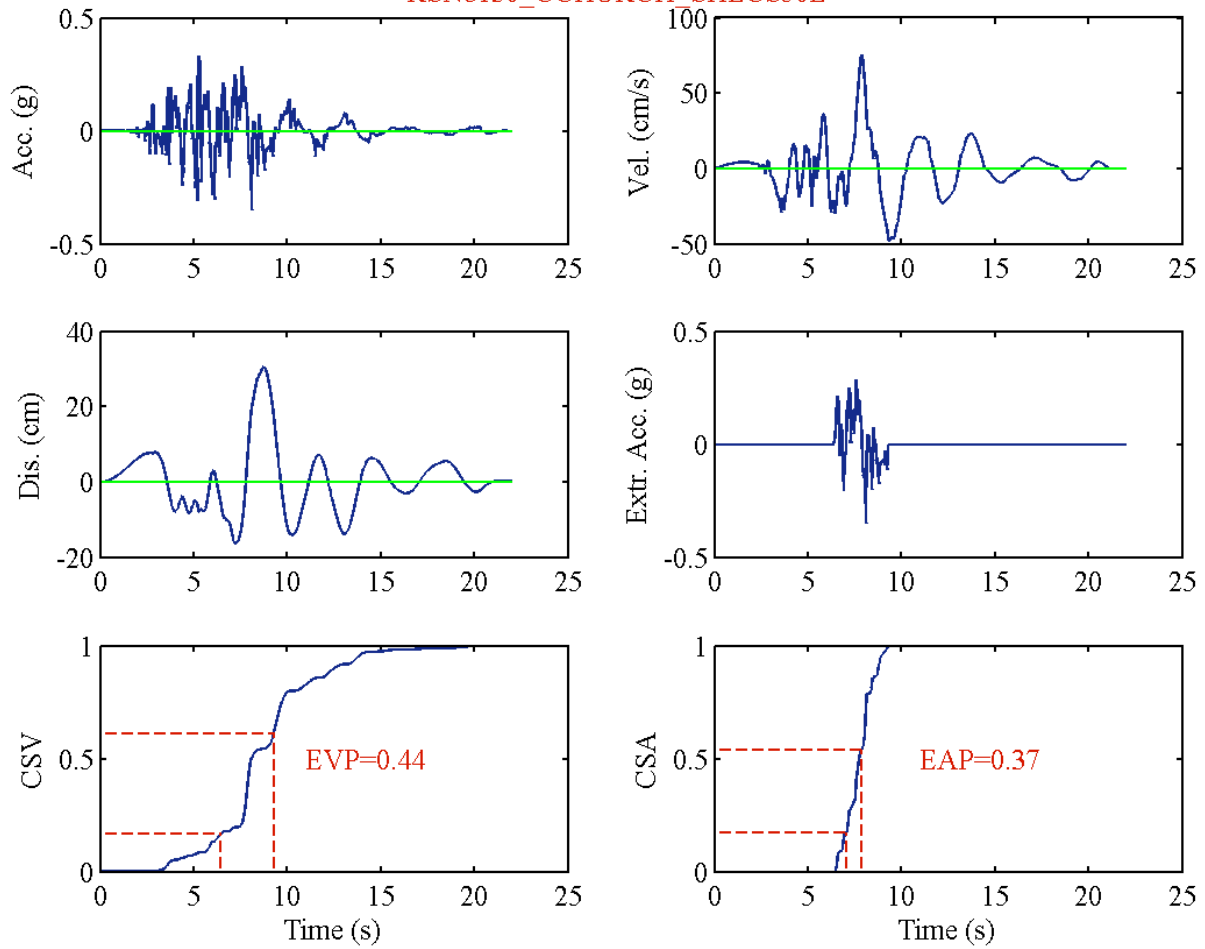
RSN8124\_CCHURCH\_RHSCN86W



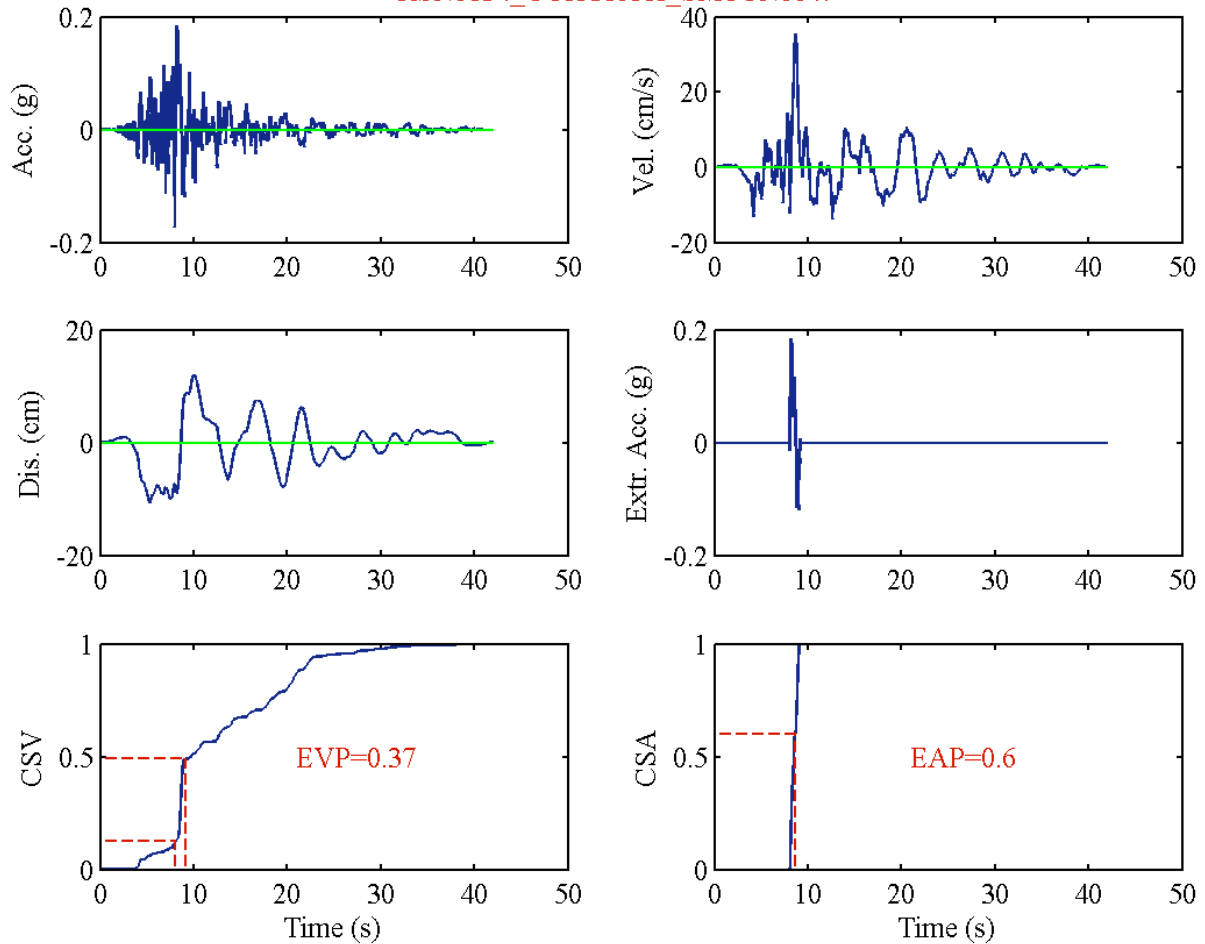
RSN8130\_CCHURCH\_SHLCS40W



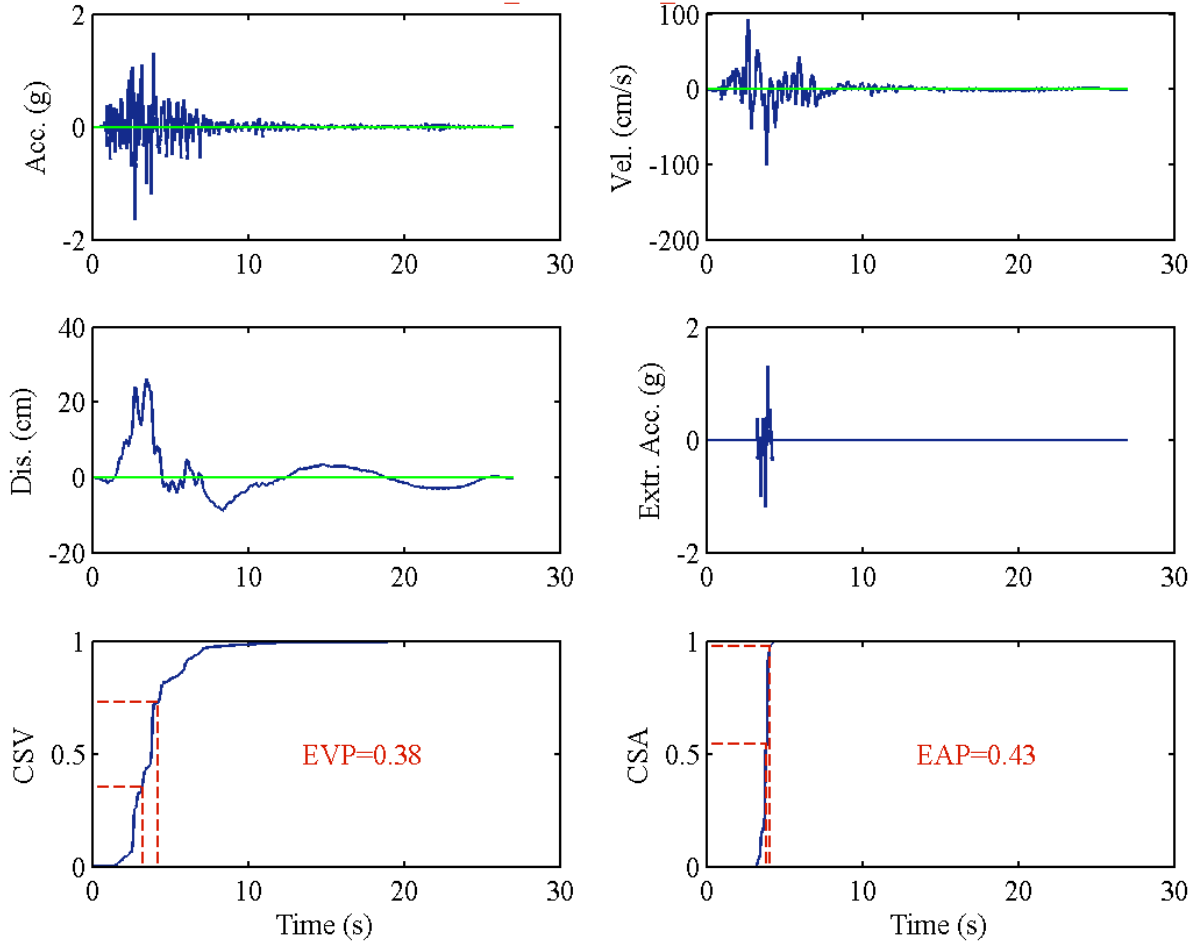
RSN8130\_CCHURCH\_SHLCS50E



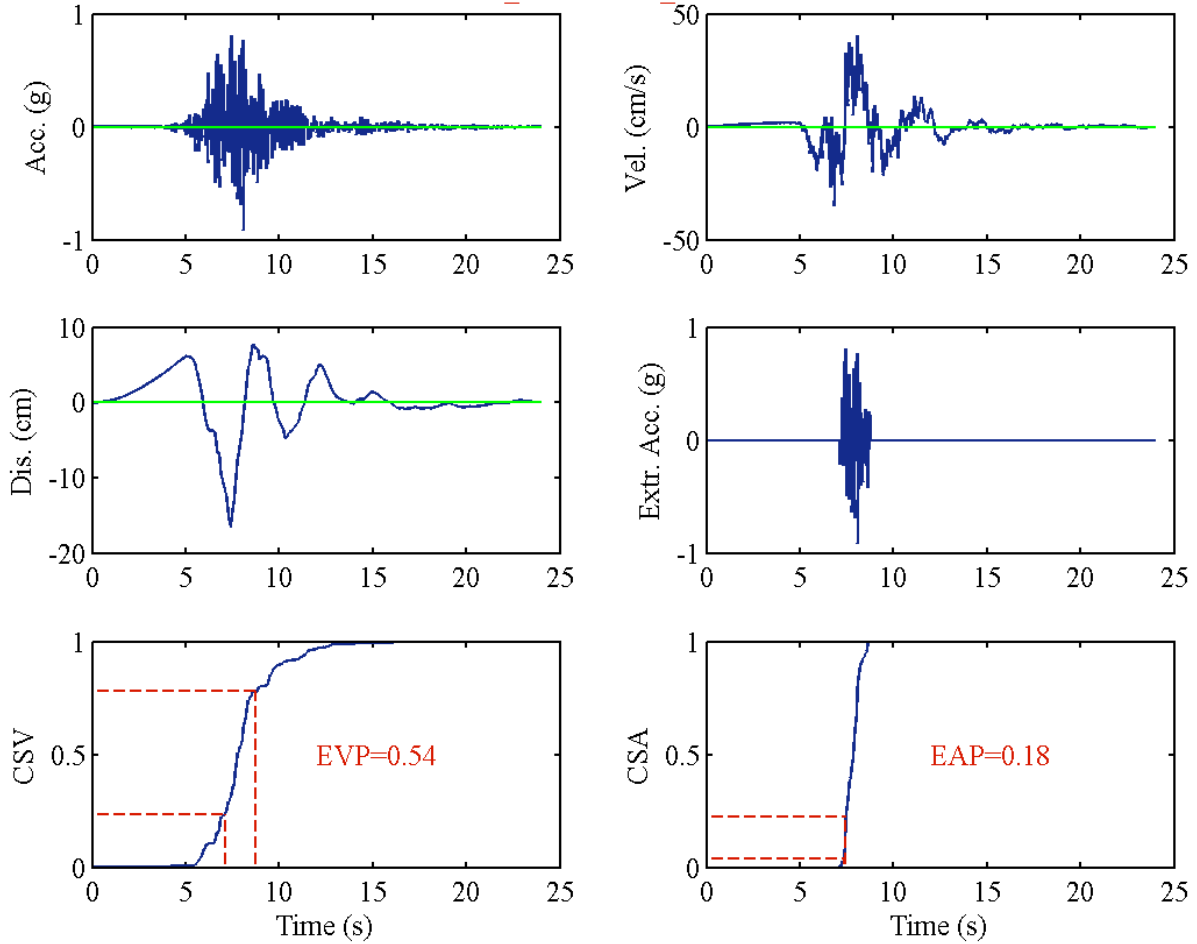
RSN8134\_CCHURCH\_SMTCN88W



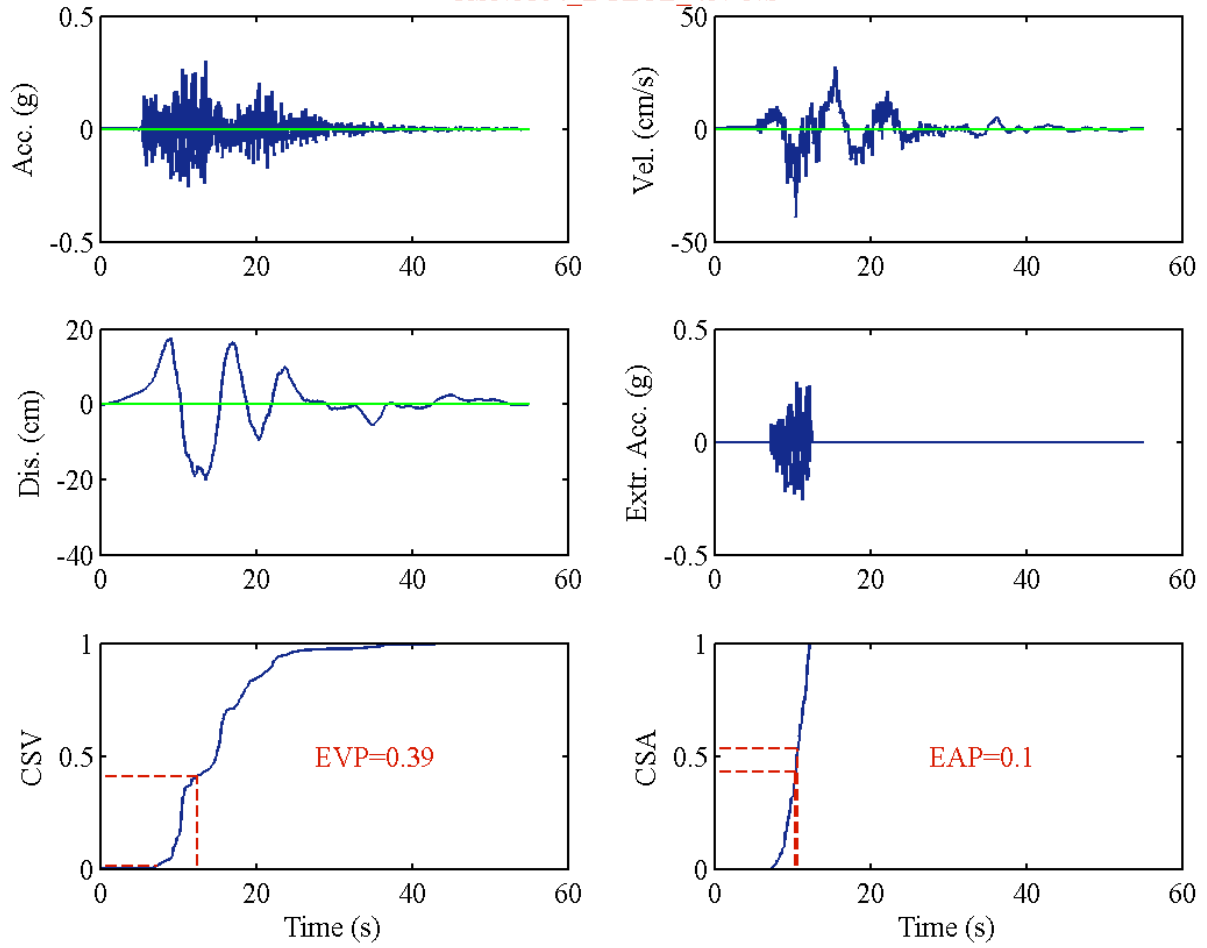
RSN8157\_CCHURCH\_HVSCS26W



RSN8158\_CCHURCH\_LPCCN10W



RSN8164\_DUZCE\_487-NS



RSN8606\_SIERRA\_MEX CIWESHNN

