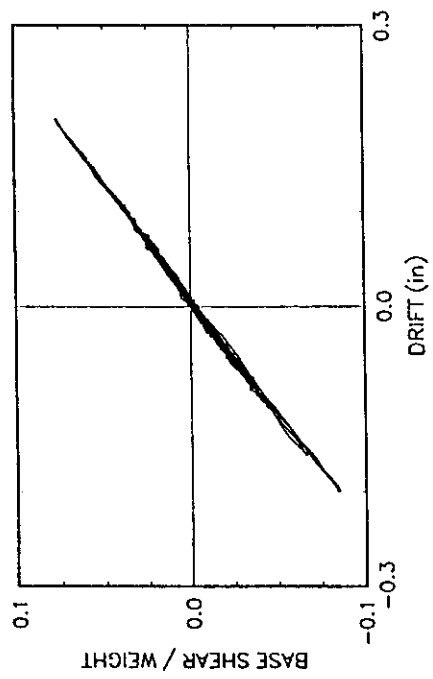


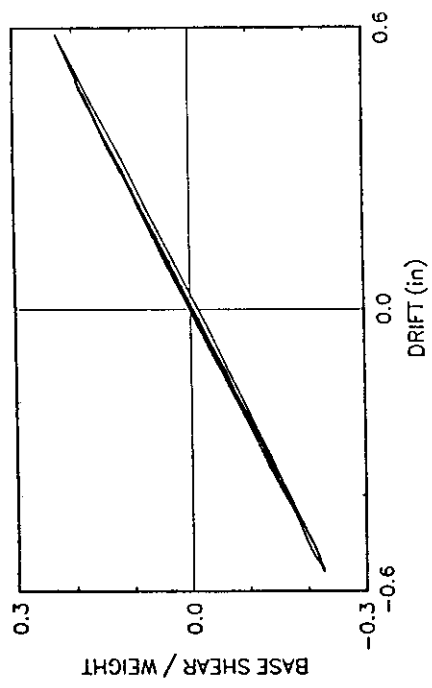
APPENDIX A

ONE-STORY TEST RESULTS

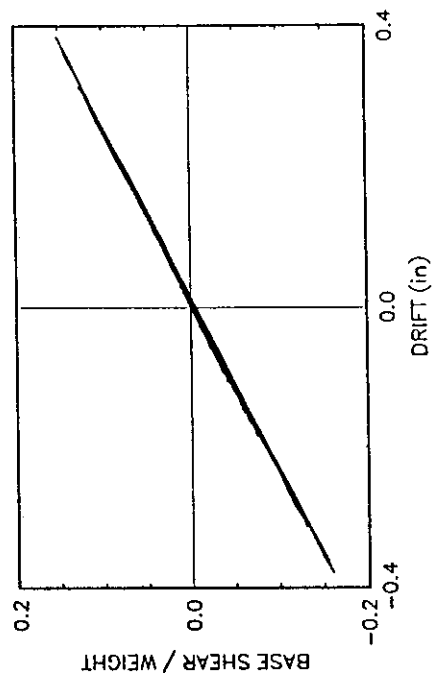
1-STORY, NO DAMPERS, EL CENTRO 10%



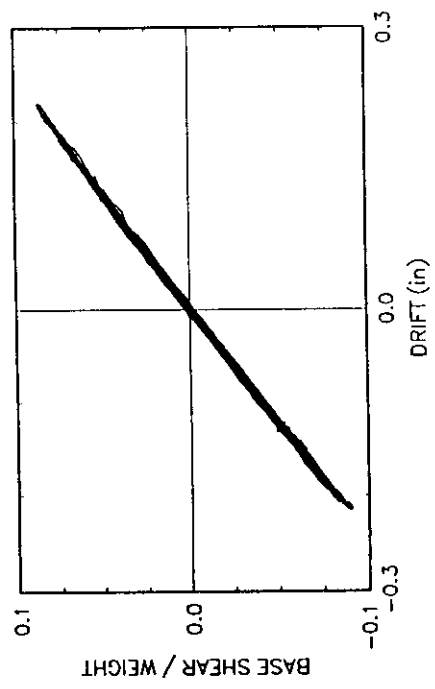
1-STORY, NO DAMPERS, EL CENTRO 33.3%



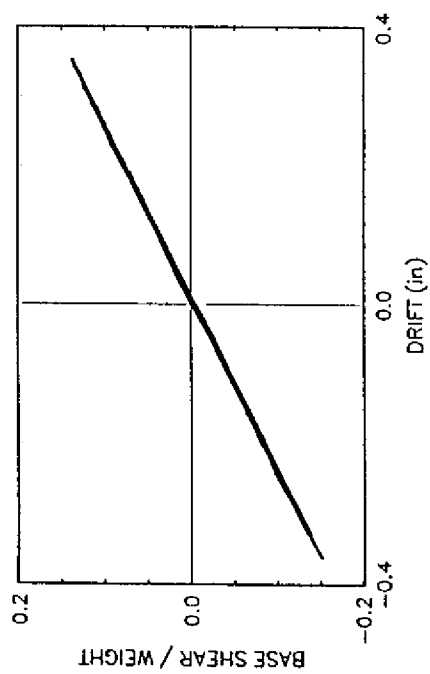
1-STORY, NO DAMPERS, EL CENTRO 20%



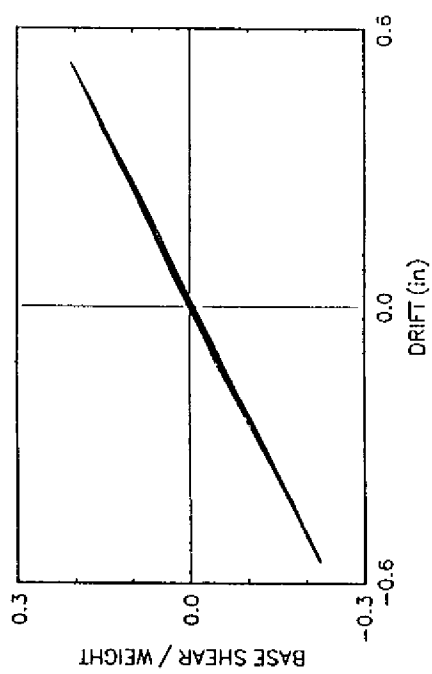
1-STORY, NO DAMPERS, TAFT 33.3%



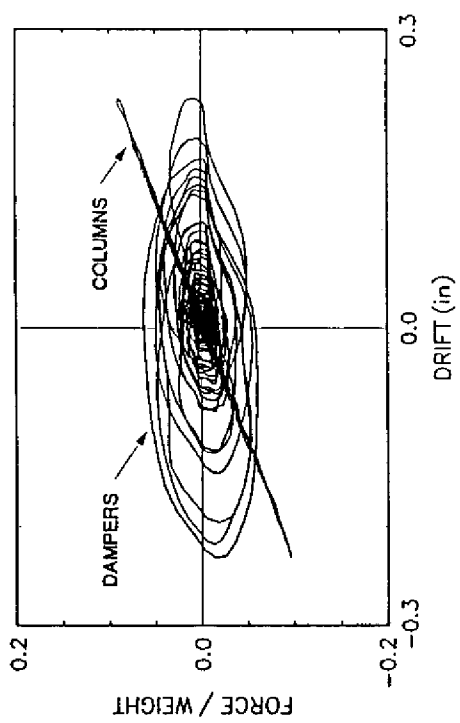
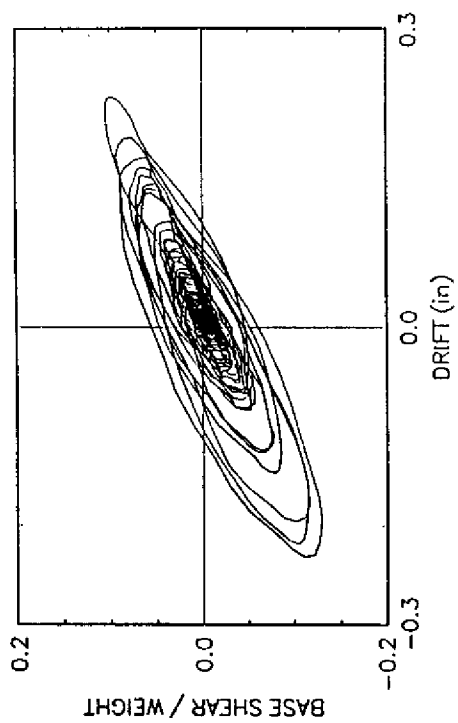
1-STORY, NO DAMPERS, TAFT 66.7%



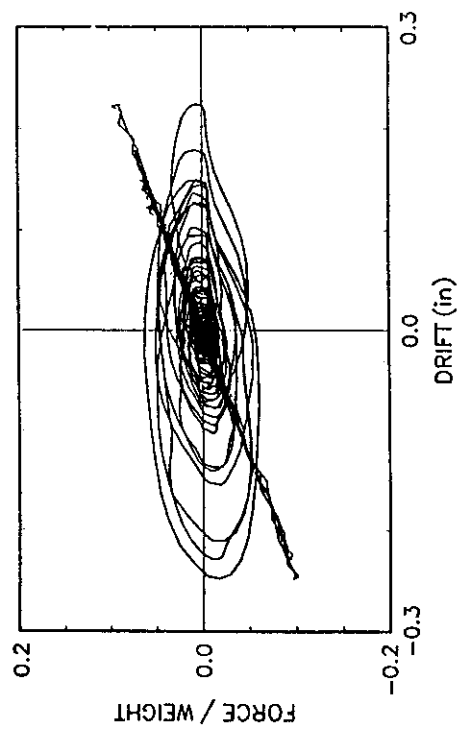
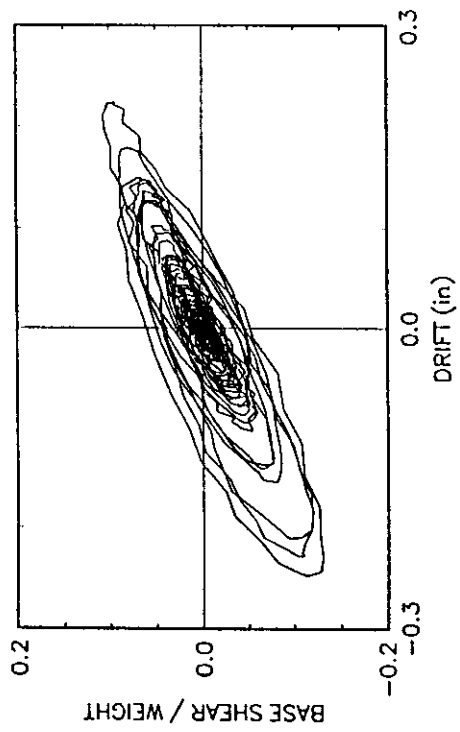
1-STORY, NO DAMPERS, TAFT 100%



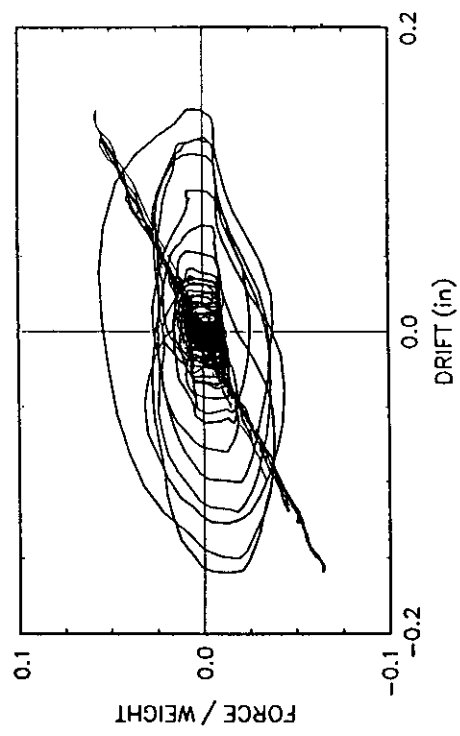
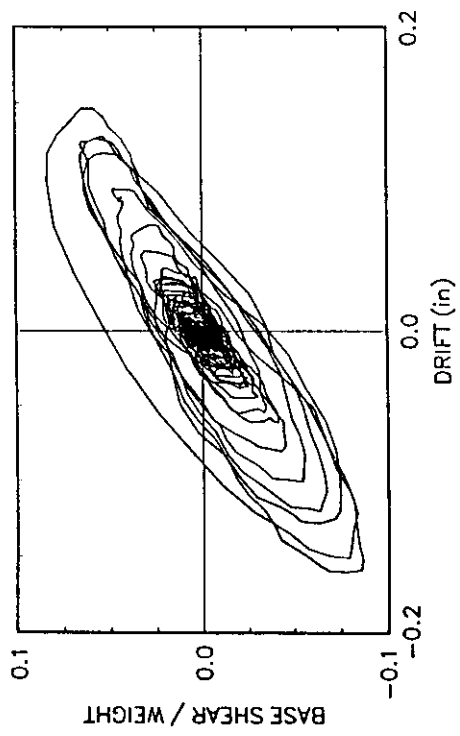
1-STORY, 2 DAMPERS, TAFT 100%



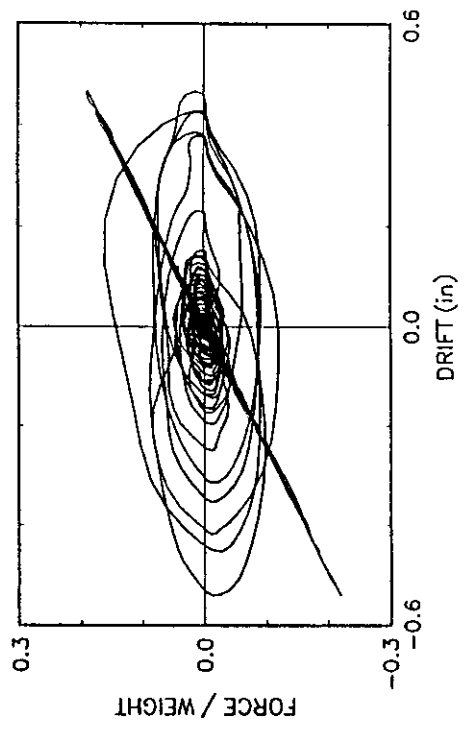
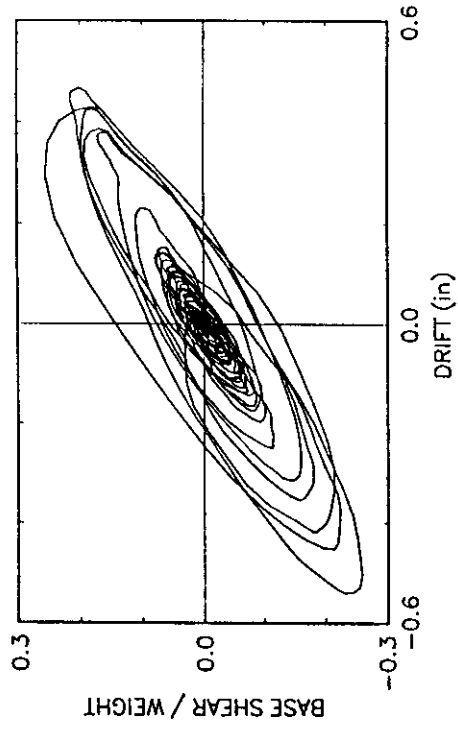
1-STORY, 2 DAMPERS, TAFT 100% (H & V)



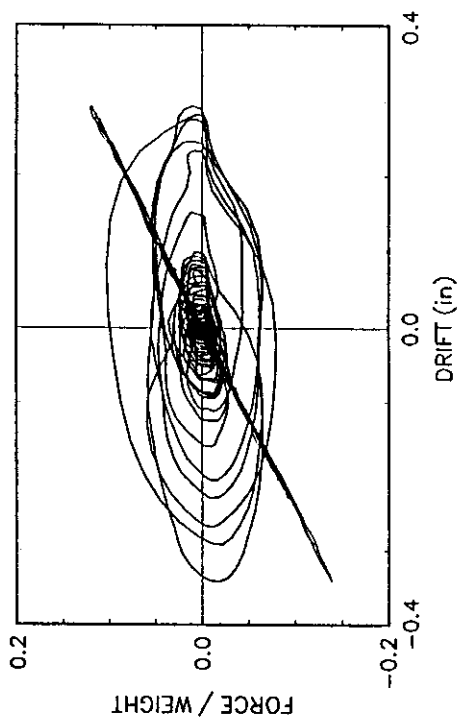
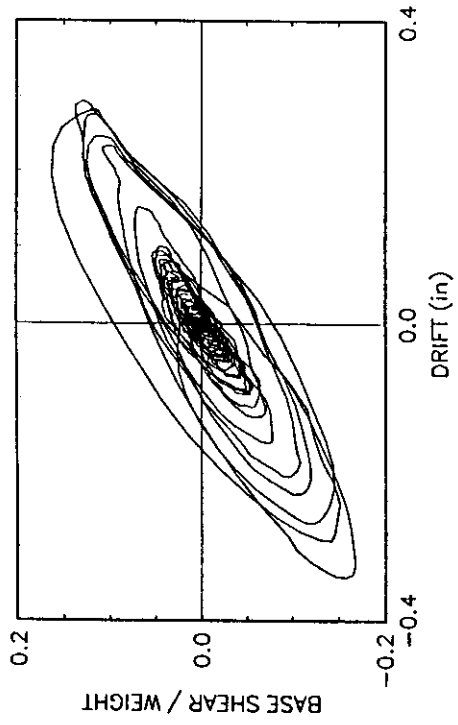
1-STORY, 2 DAMPERS, EL CENTRO 33.3%



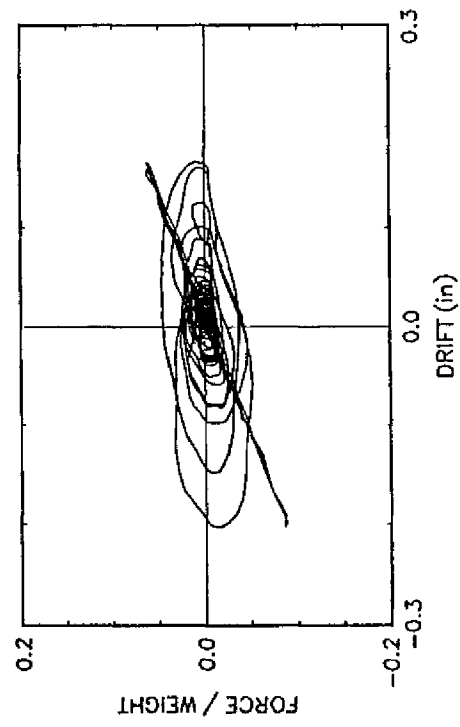
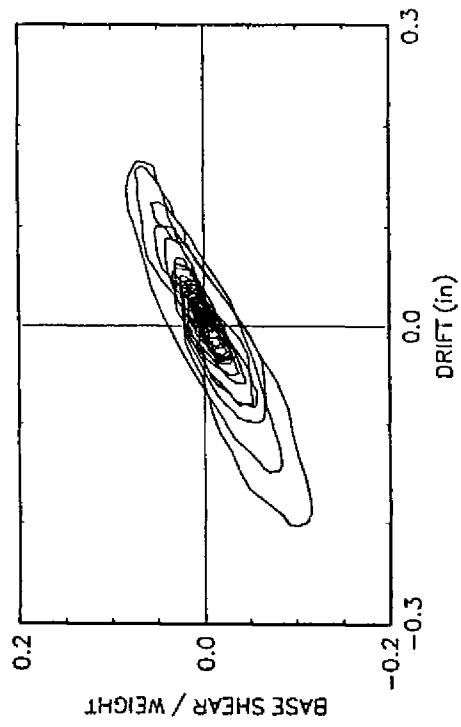
1-STORY, 2 DAMPERS, EL CENTRO 100%



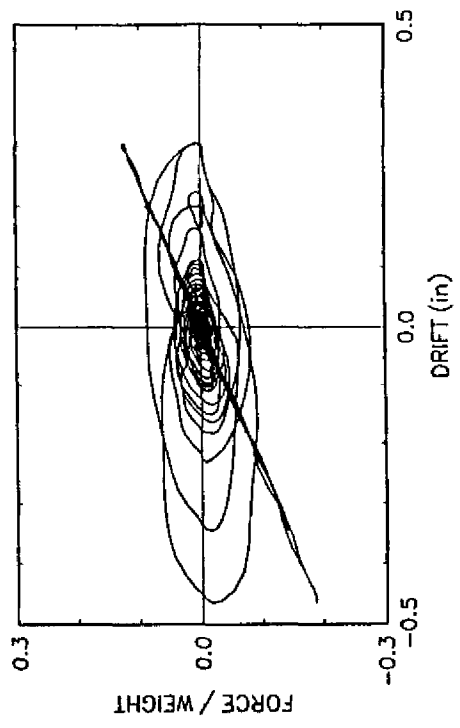
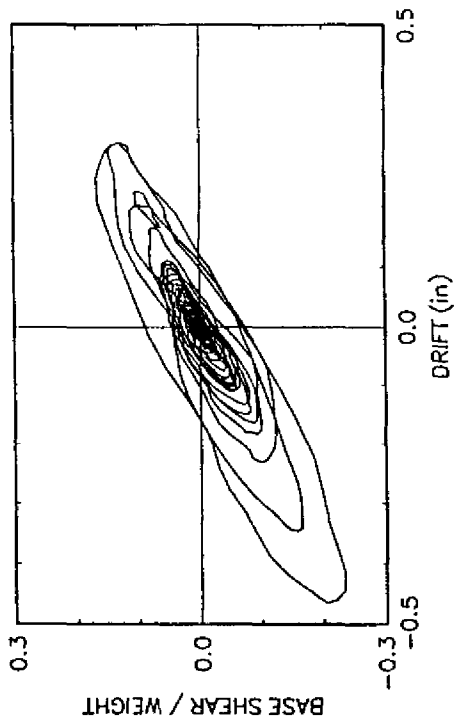
1-STORY, 2 DAMPERS, EL CENTRO 66.7%



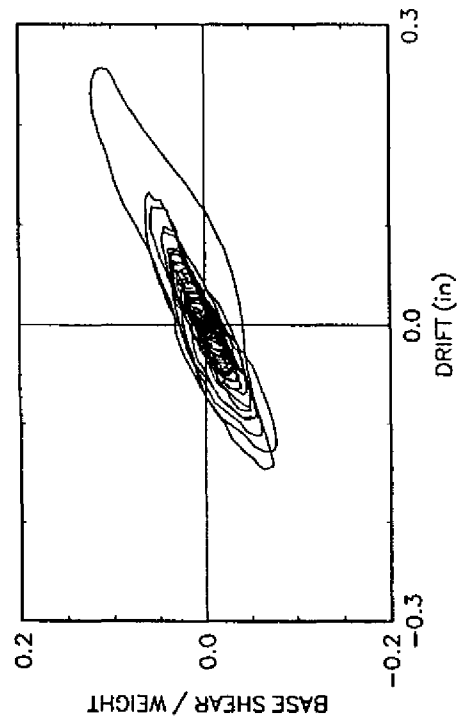
1-STORY, 2 DAMPERS, MIYAGIKEN 100Z



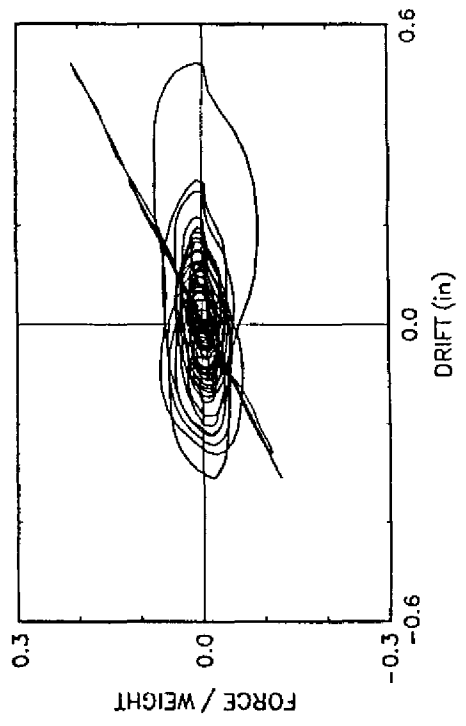
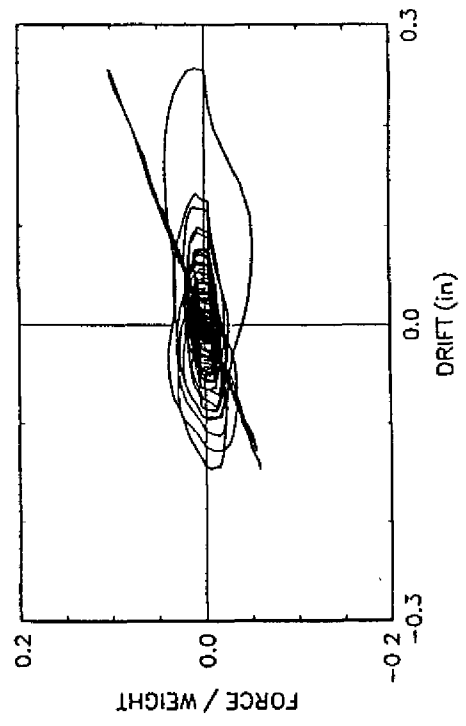
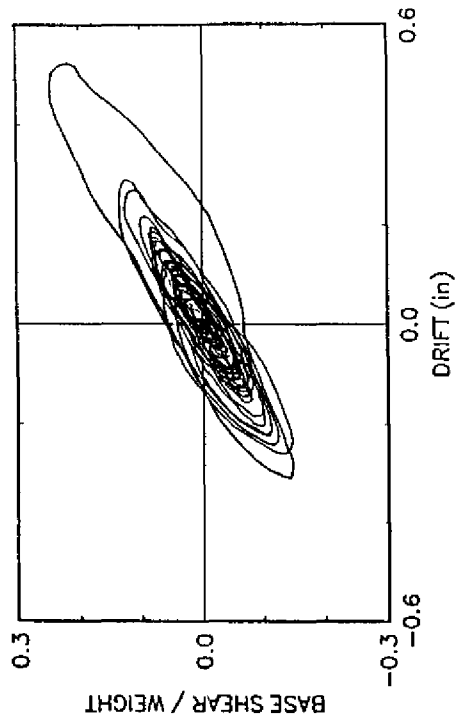
1-STORY, 2 DAMPERS, MIYAGIKEN 200Z



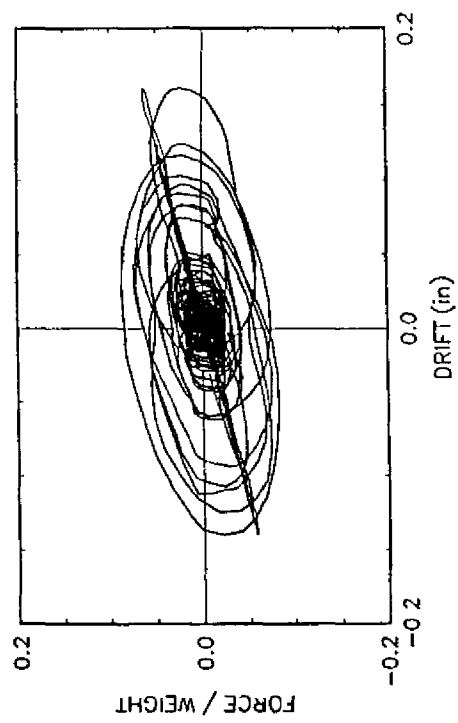
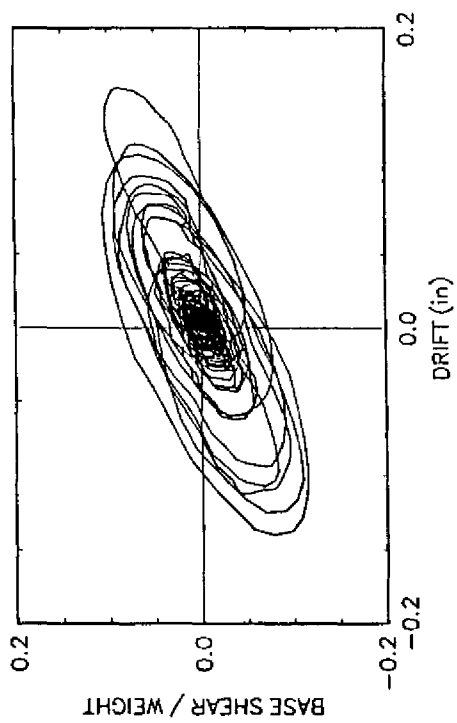
1-STORY, 2 DAMPERS, HACHINOHE 50Z



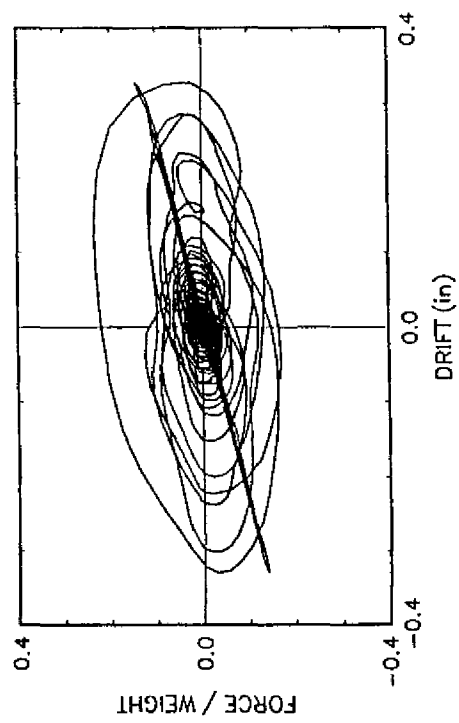
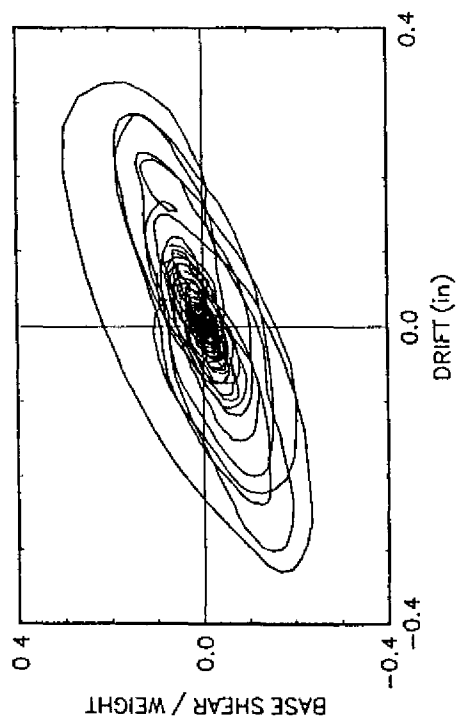
1-STORY, 2 DAMPERS, HACHINOHE 100Z



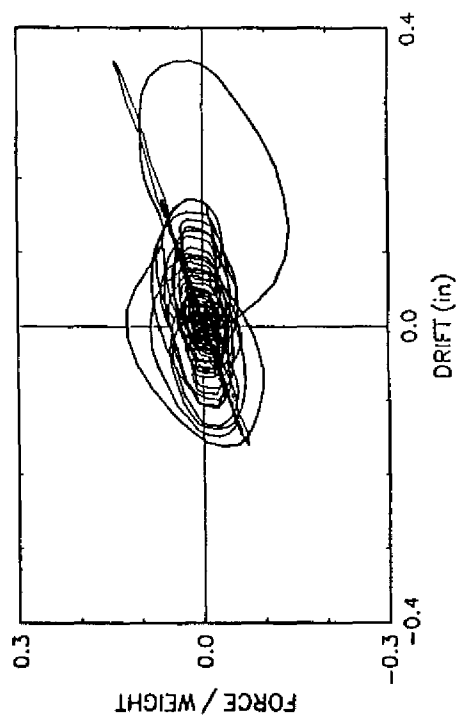
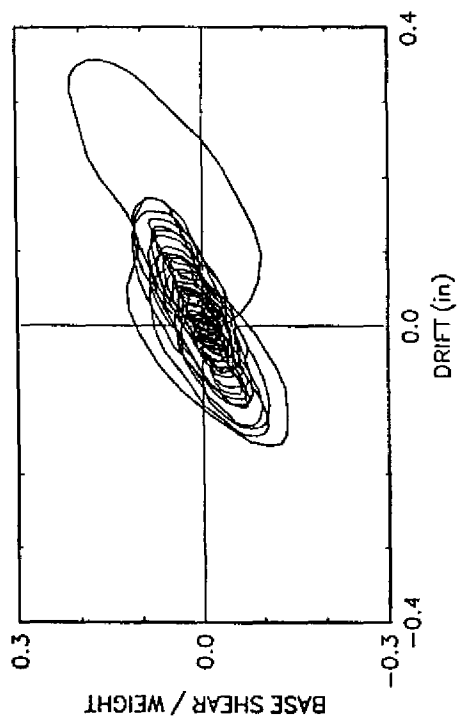
1-STORY, 4 DAMPERS, TAFT 100%



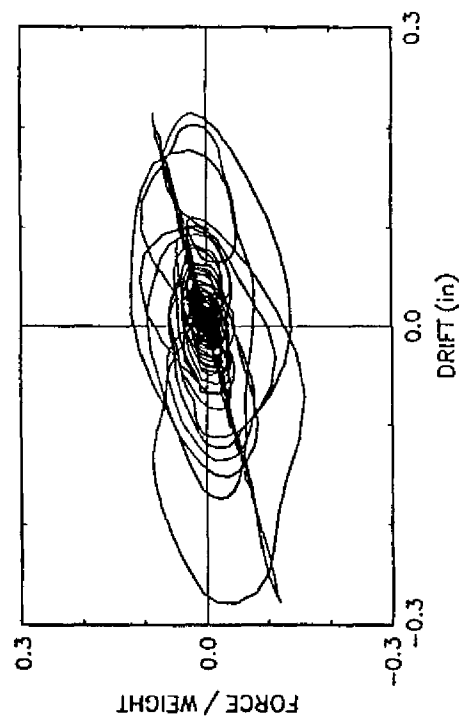
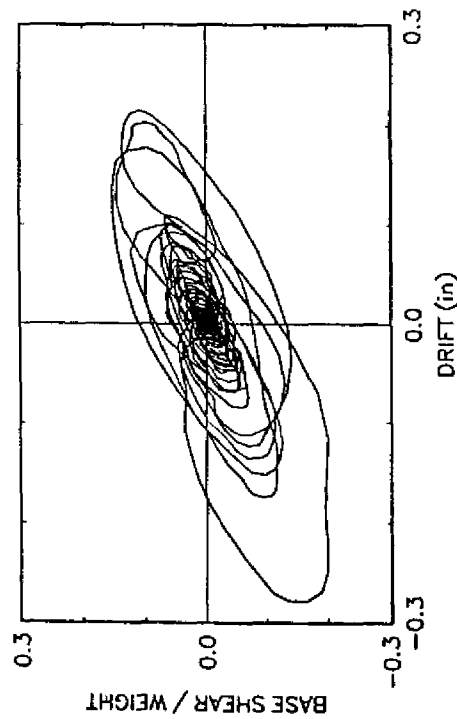
1-STORY, 4 DAMPERS, EL CENTRO 100%



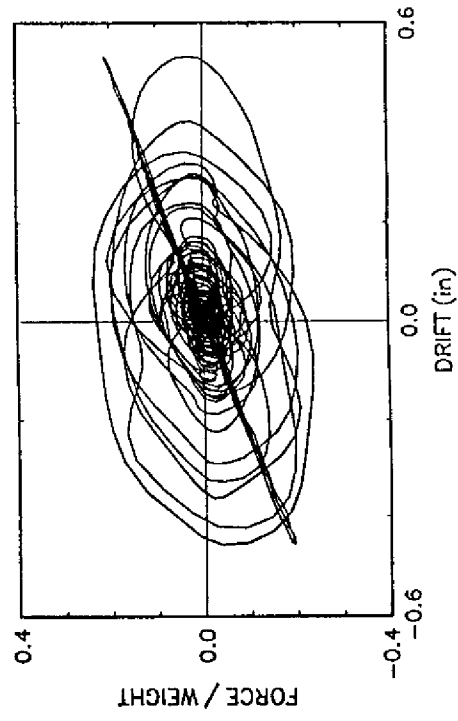
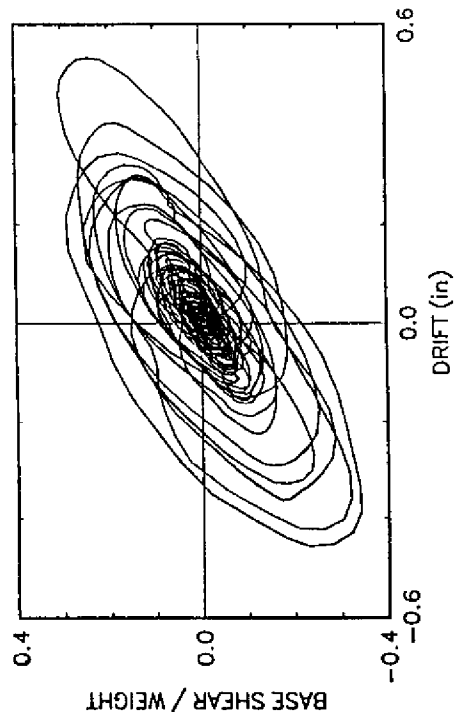
1-STORY, 4 DAMPERS, HACHINOHE 100Z



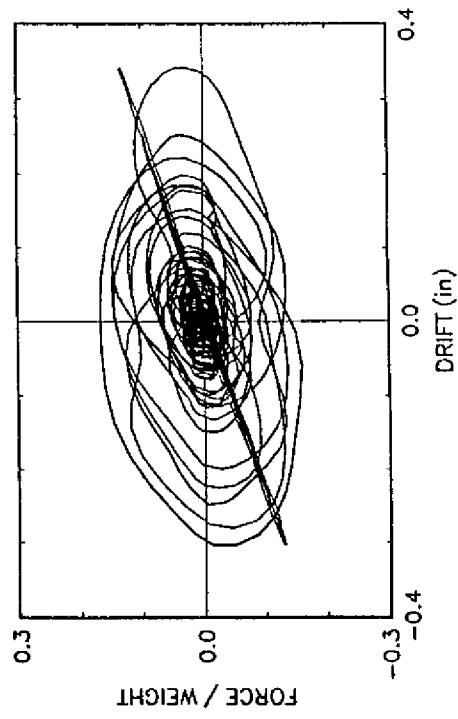
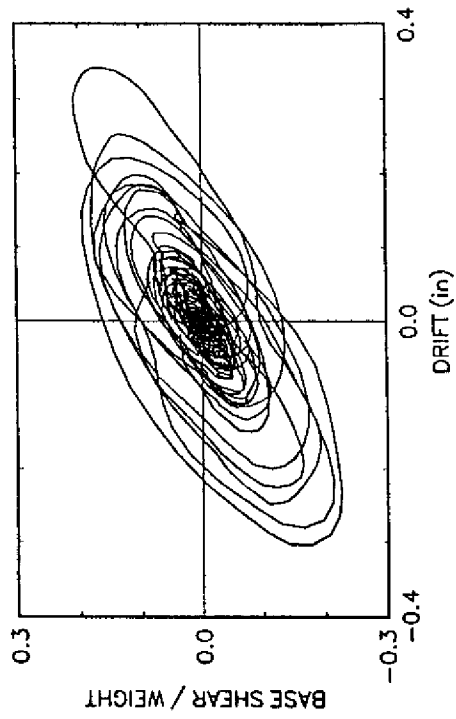
1-STORY, 4 DAMPERS, MIYAGIKEN 200Z



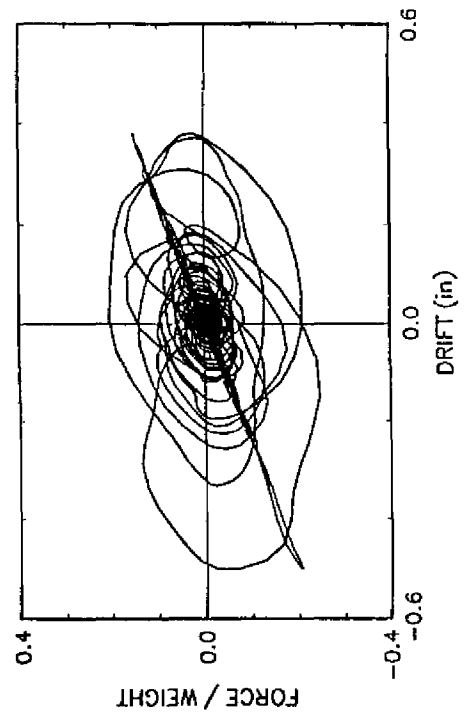
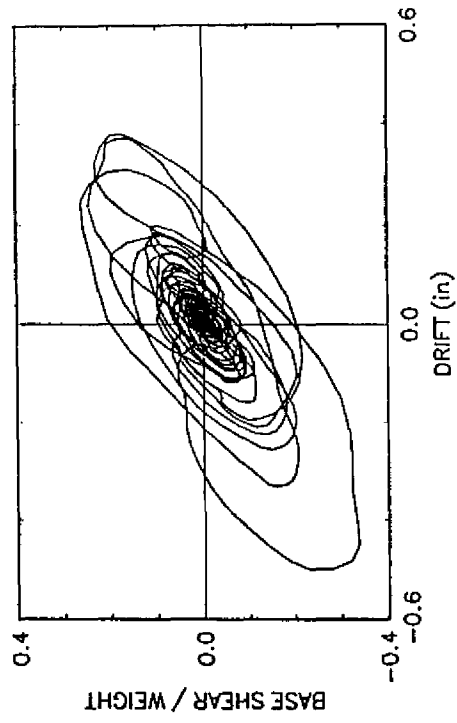
1-STORY, 4 DAMPERS, TAFT 300Z



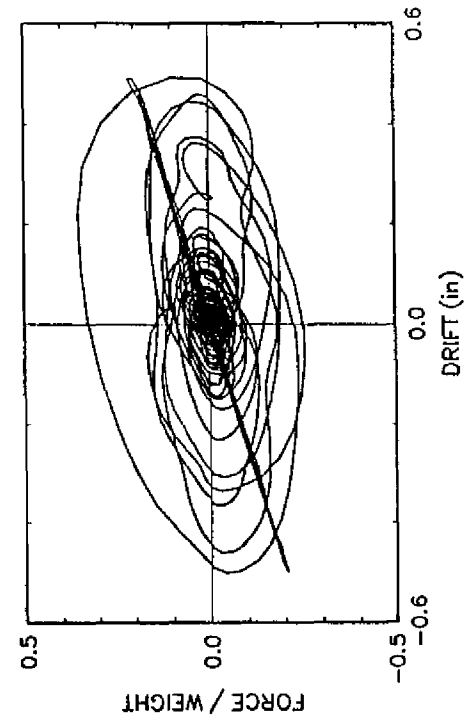
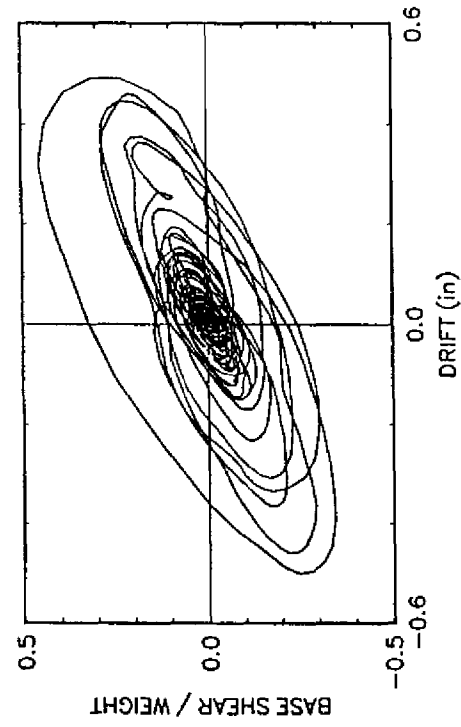
1-STORY, 4 DAMPERS, TAFT 200Z



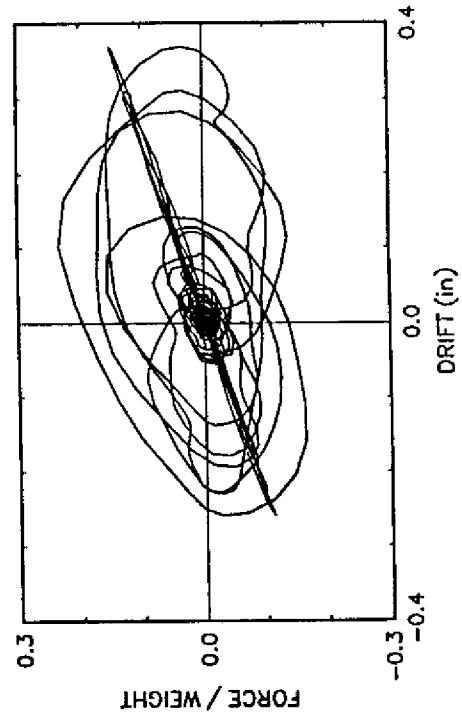
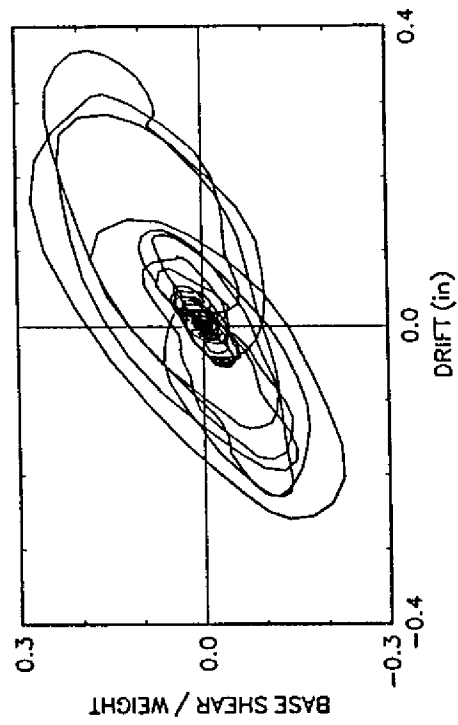
1-STORY, 4 DAMPERS, MIYAGIKEN 320%



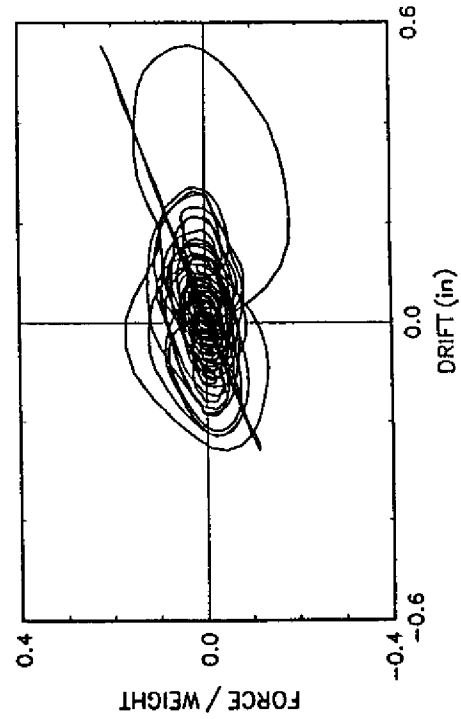
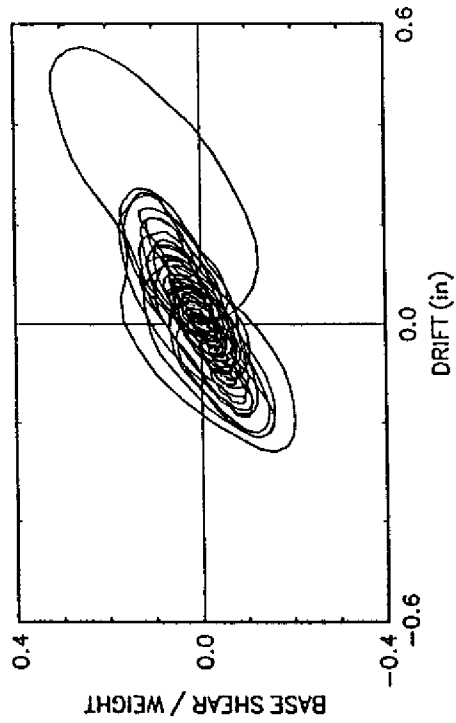
1-STORY, 4 DAMPERS, EL CENTRO 150%

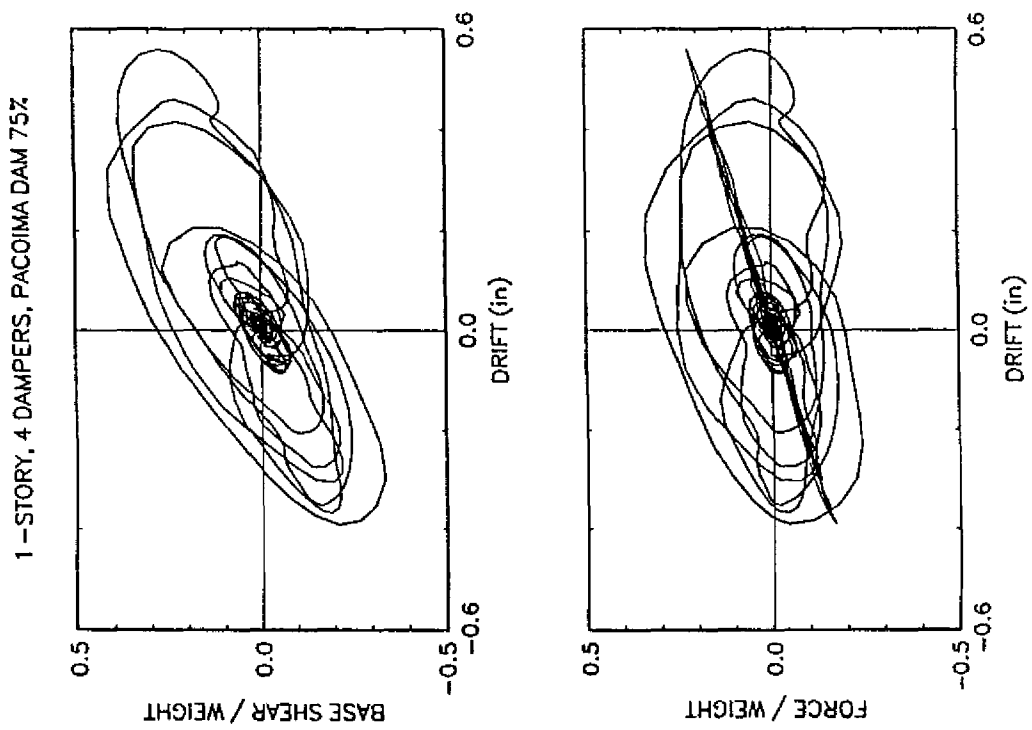
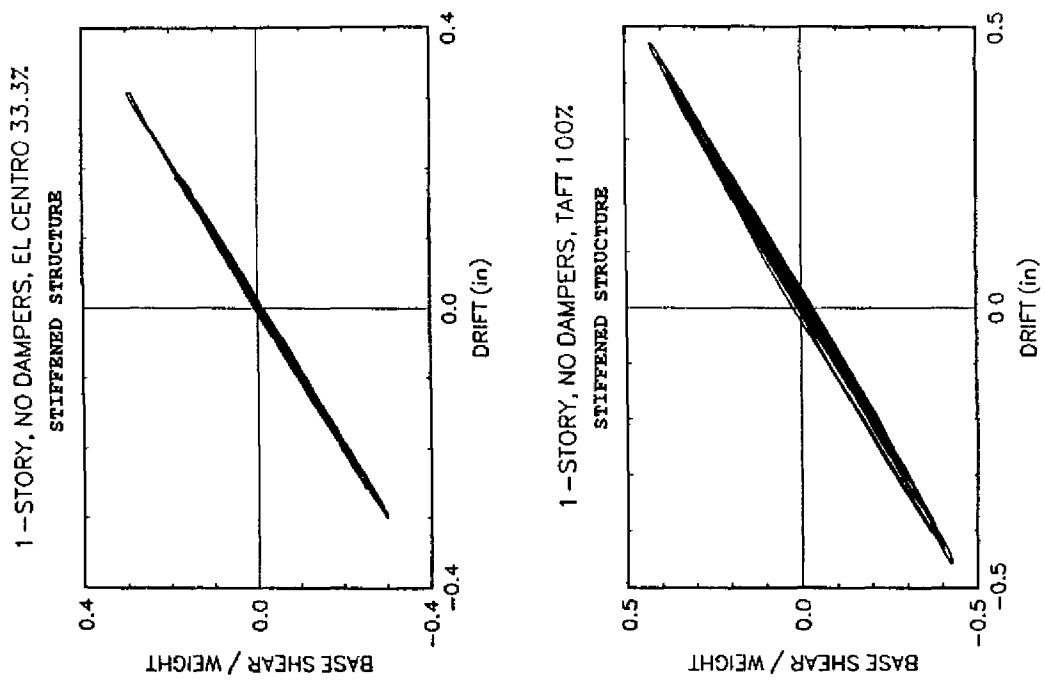


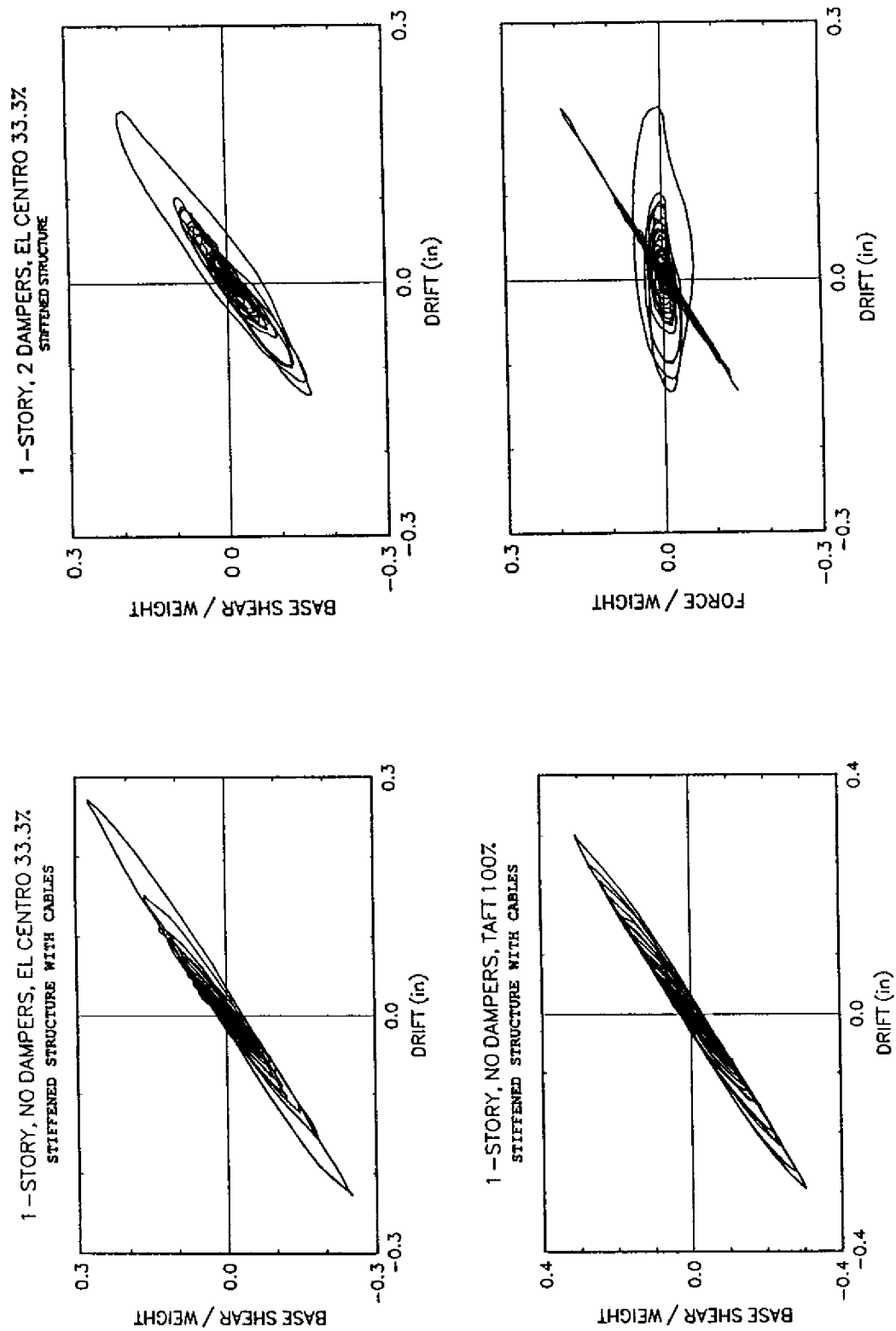
1-STORY, 4 DAMPERS, PACOIMA DAM 50%



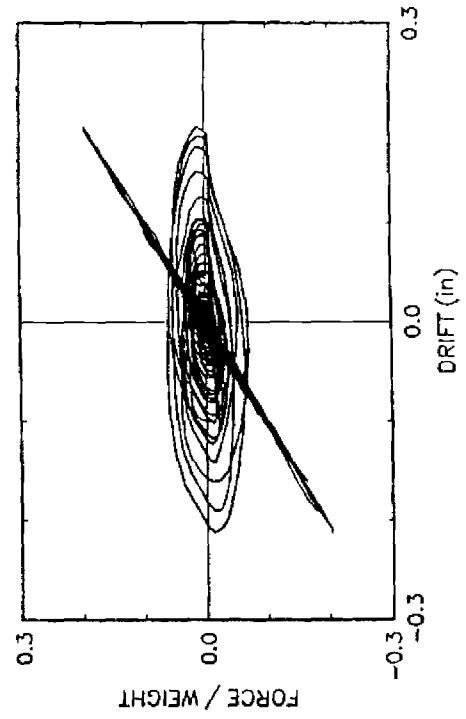
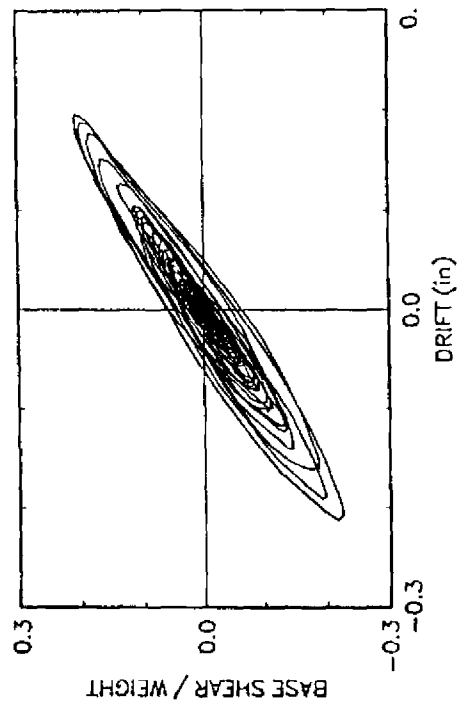
1-STORY, 4 DAMPERS, HACHINOHE 150%



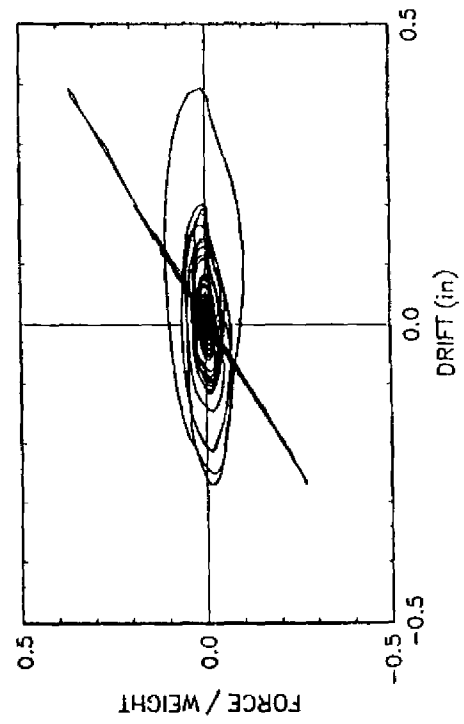
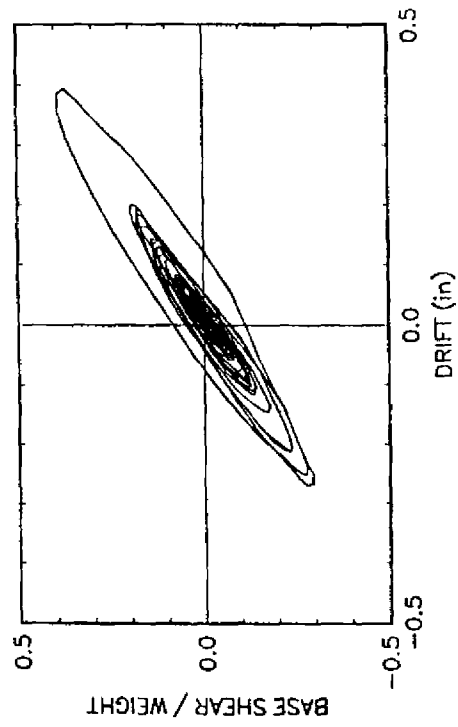




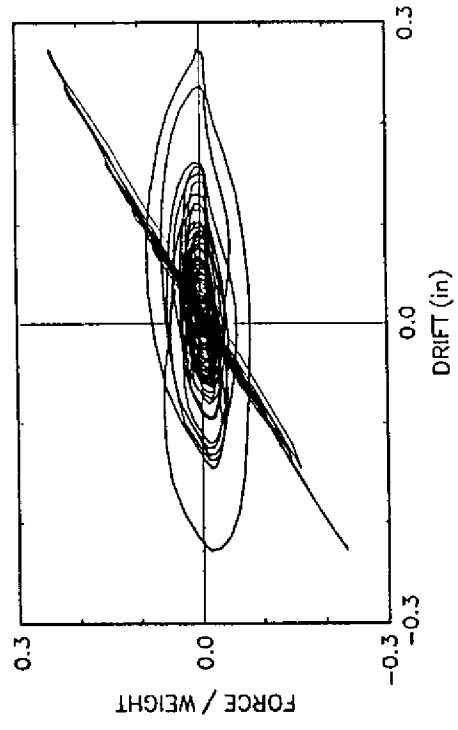
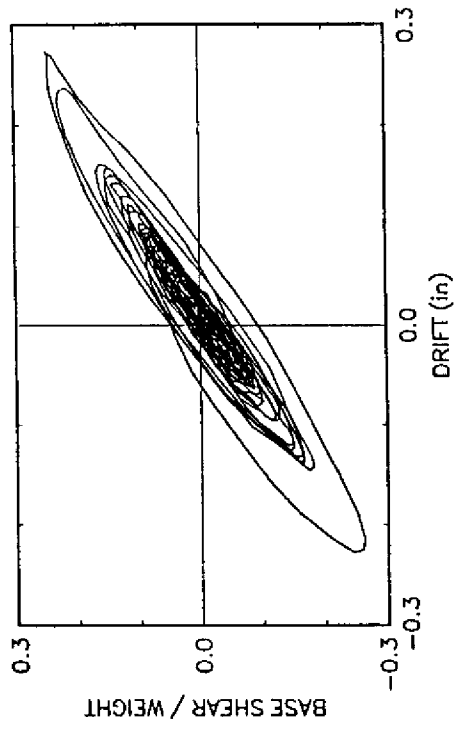
1-STORY, 2 DAMPERS, TAFT 100%
STIFFENED STRUCTURE



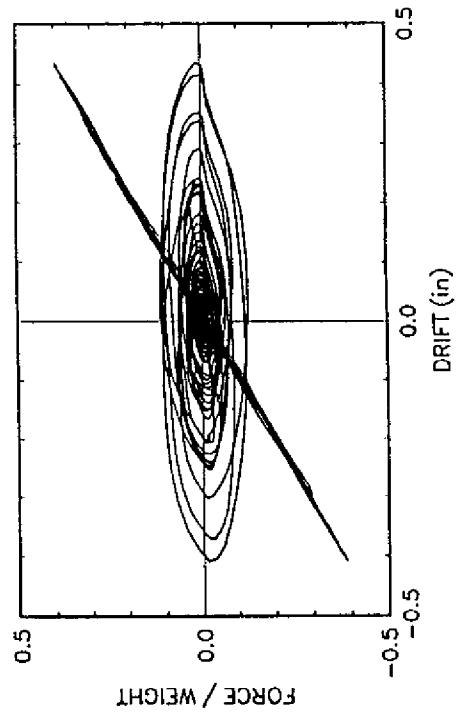
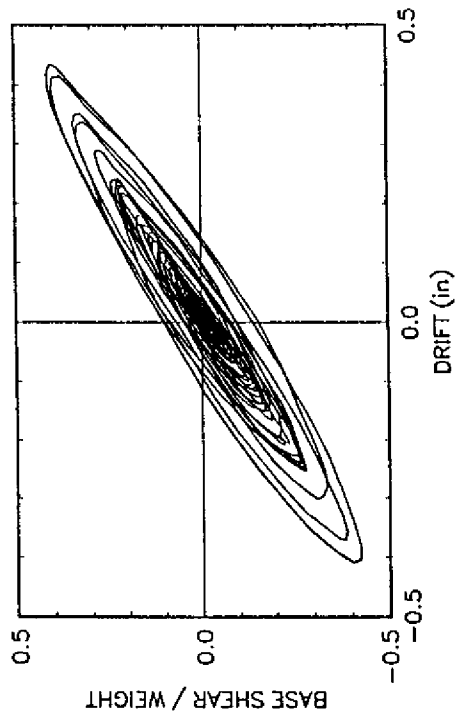
1-STORY, 2 DAMPERS, EL CENTRO 66.7%
STIFFENED STRUCTURE



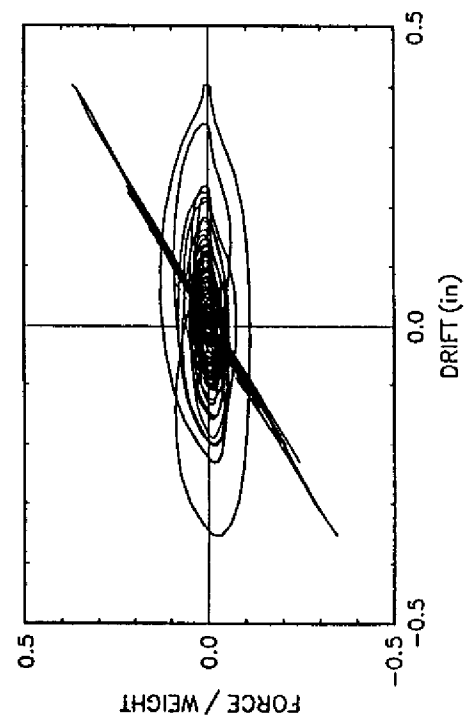
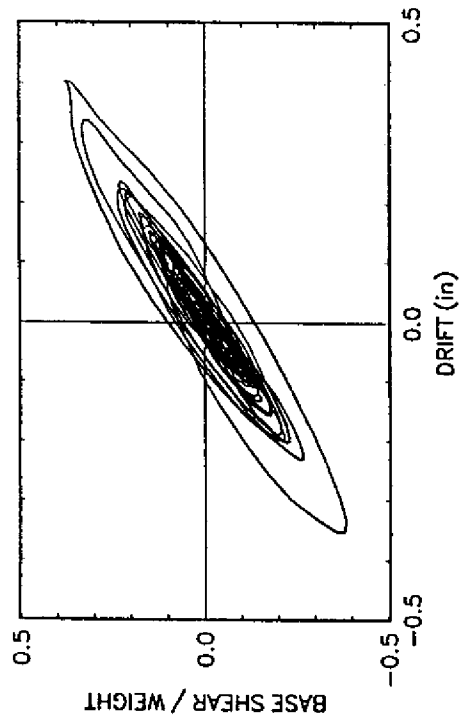
1-STORY, 2 DAMPERS, HACHINOHE 100%
STIFFENED STRUCTURE



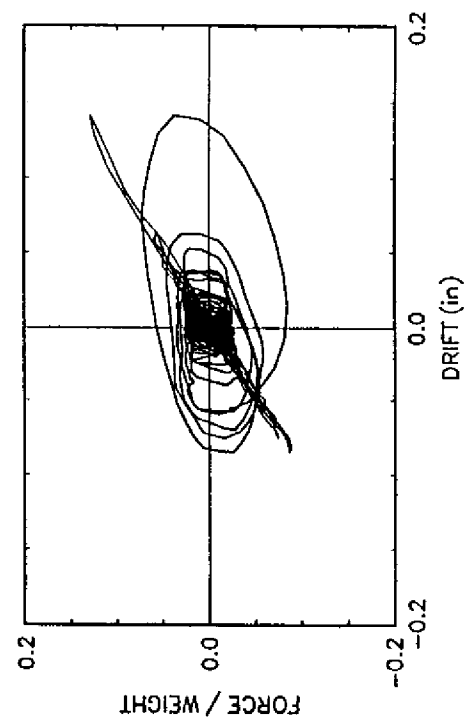
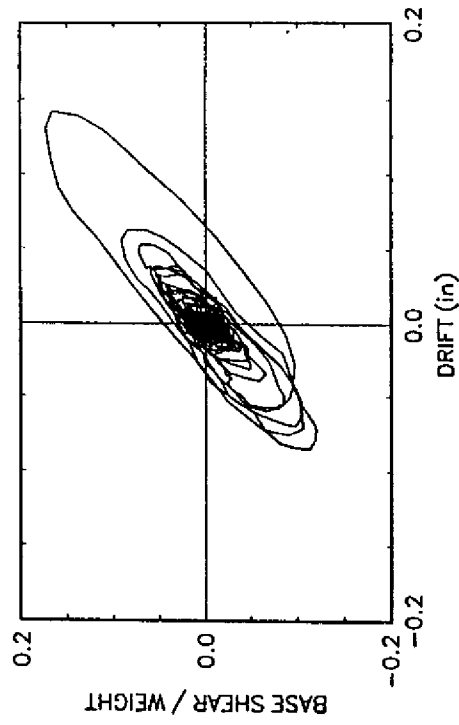
1-STORY, 2 DAMPERS, TAFT 200%
STIFFENED STRUCTURE

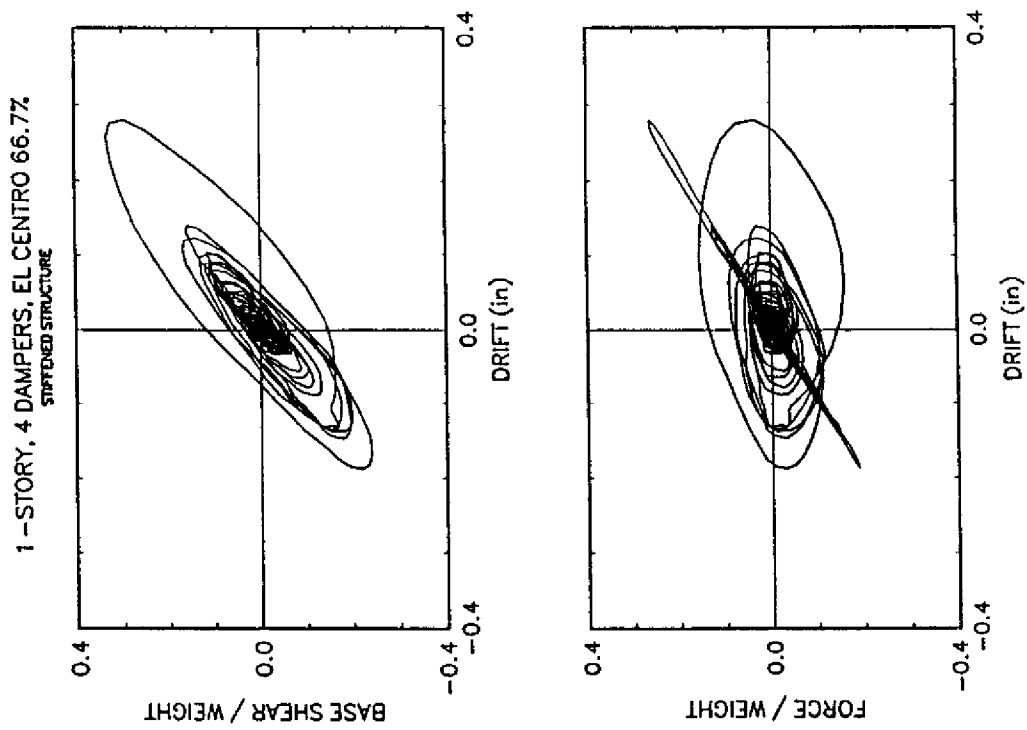
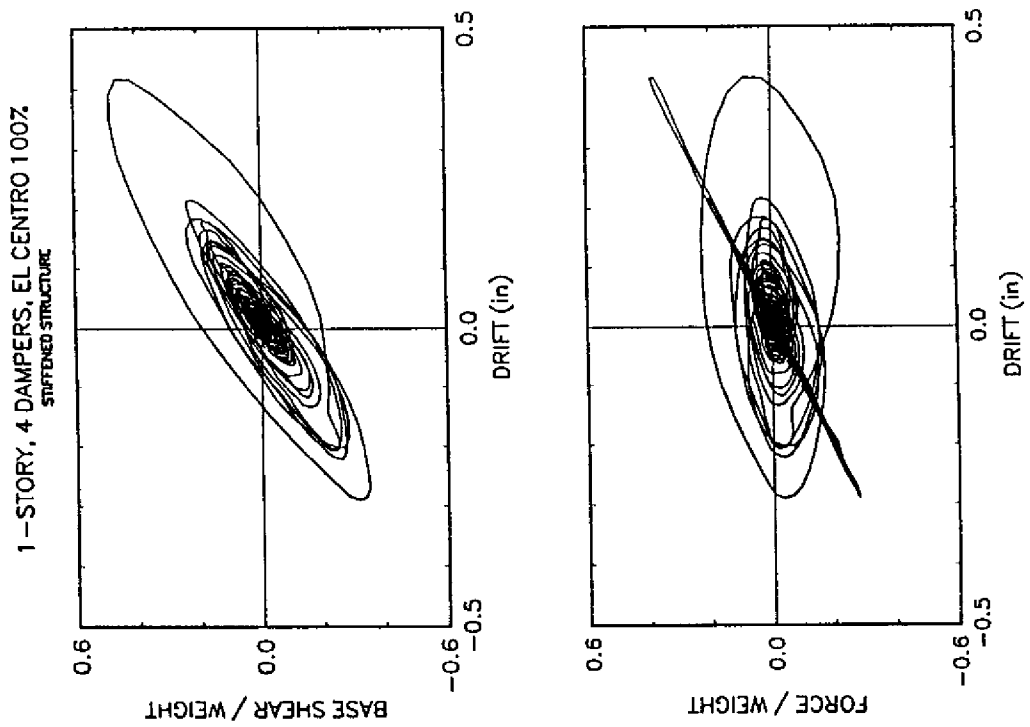


1-STORY, 2 DAMPERS, HACHINOHE 150%
STIFFENED STRUCTURE

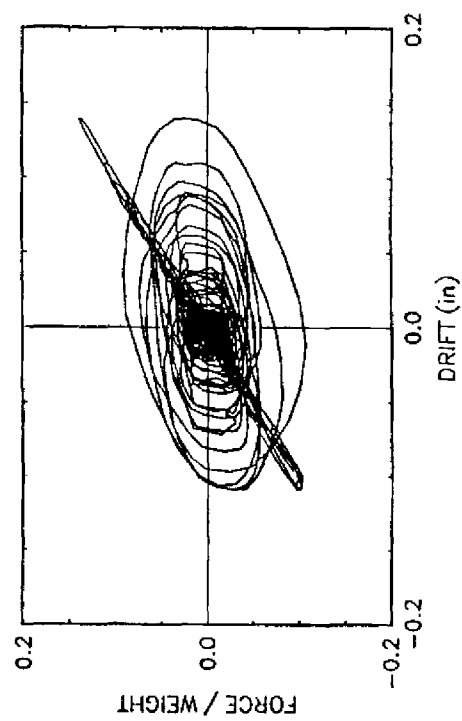
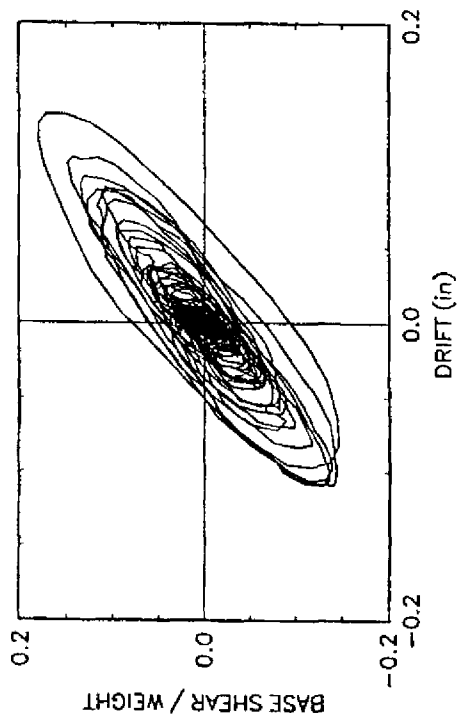


1-STORY, 4 DAMPERS, EL CENTRO 33.3%
STIFFENED STRUCTURE

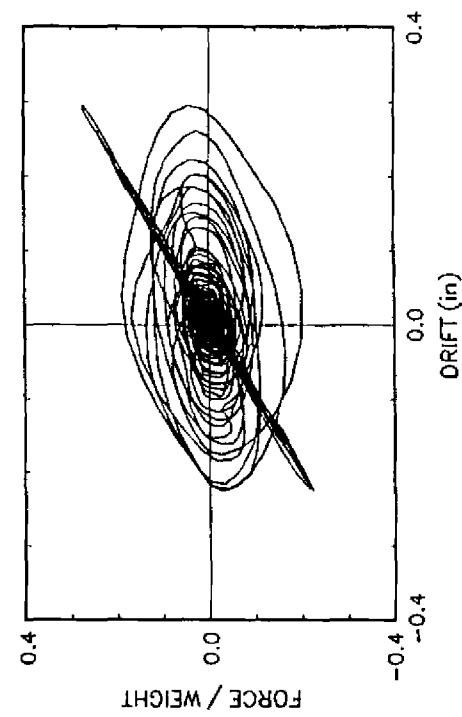
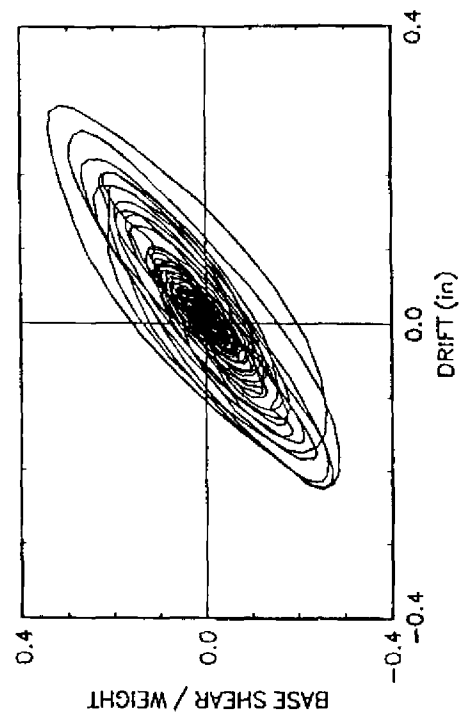




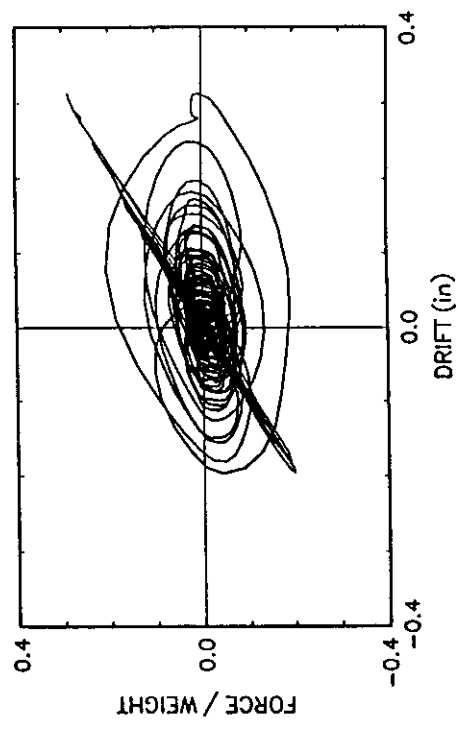
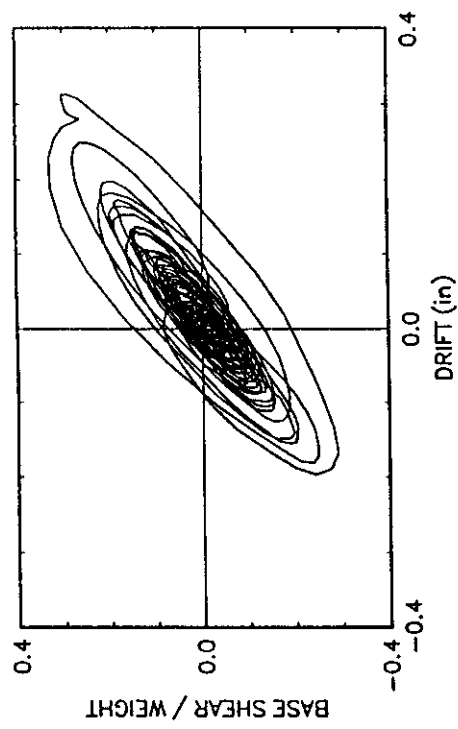
1-STORY, 4 DAMPERS, TAFT 100%
STIFFENED STRUCTURE



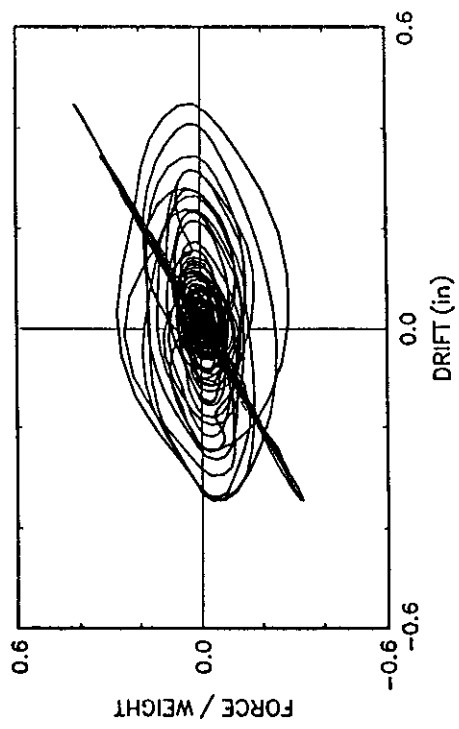
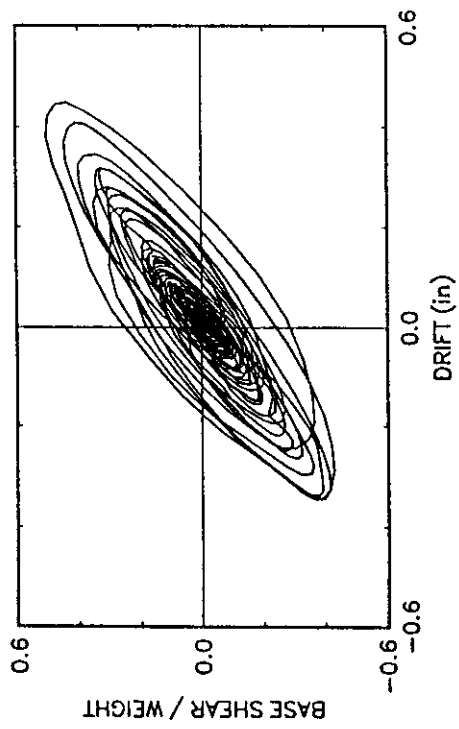
1-STORY, 4 DAMPERS, TAFT 200%
STIFFENED STRUCTURE



1-STORY, 4 DAMPERS, HACHINOHE 150%
STIFFENED STRUCTURE



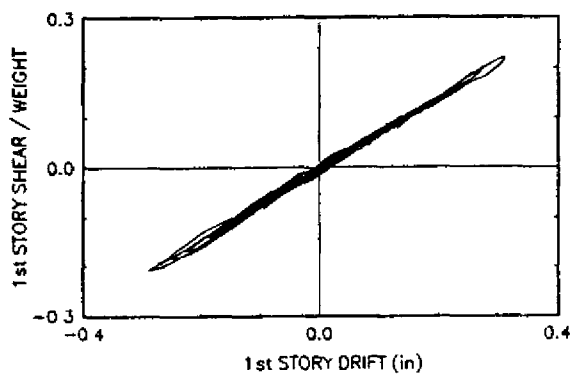
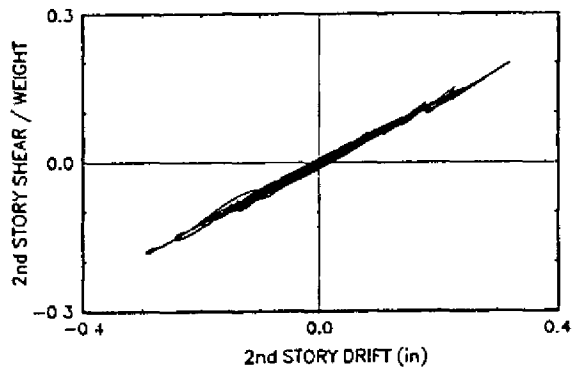
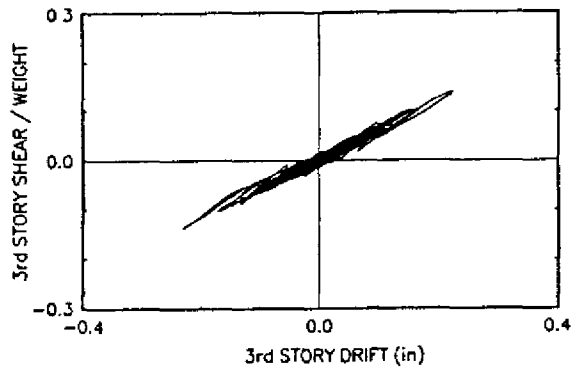
1-STORY, 4 DAMPERS, TAFT 300%
STIFFENED STRUCTURE



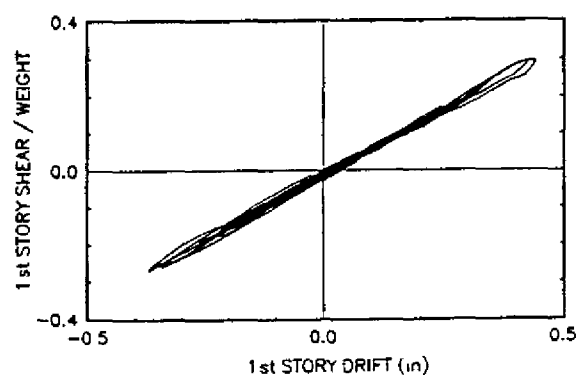
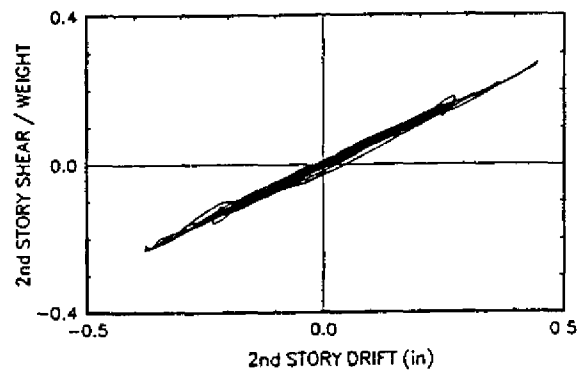
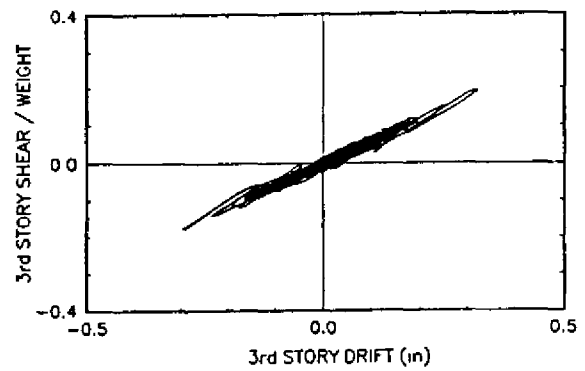
APPENDIX B

THREE-STORY TEST RESULTS

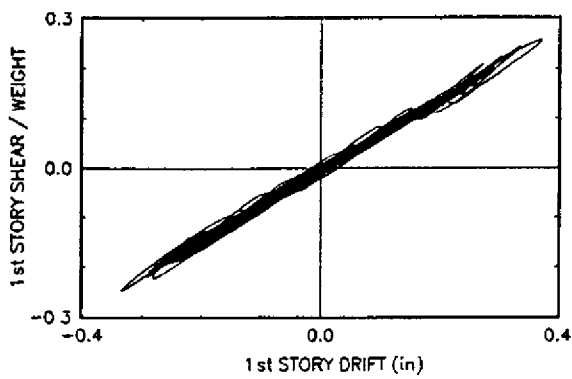
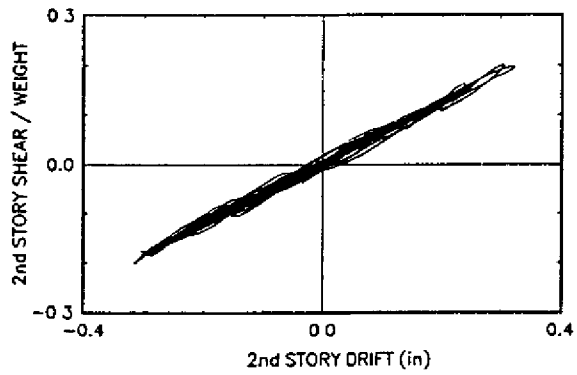
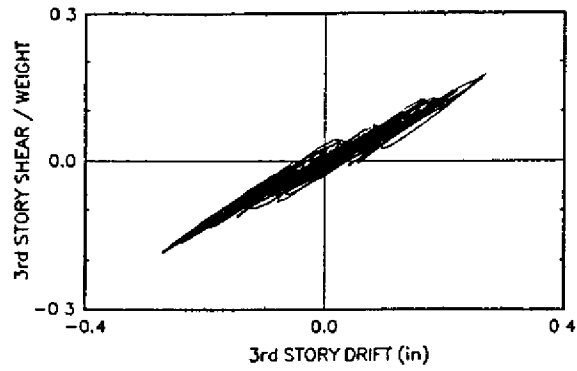
3-STORY, NO DAMPERS, EL CENTRO 33.3%



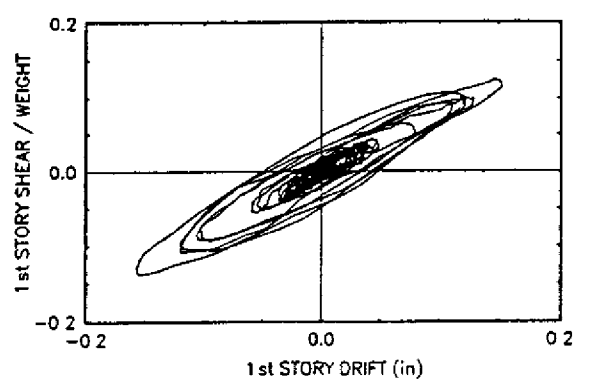
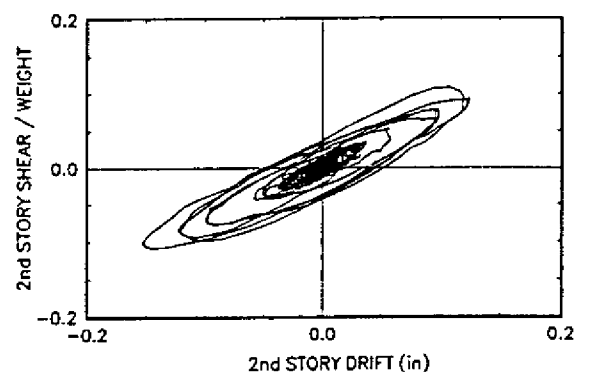
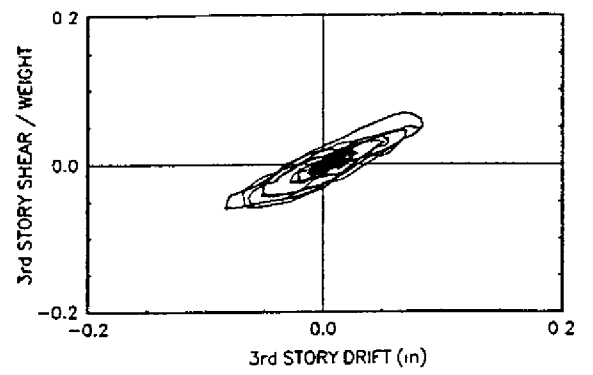
3-STORY, NO DAMPERS, EL CENTRO 50%



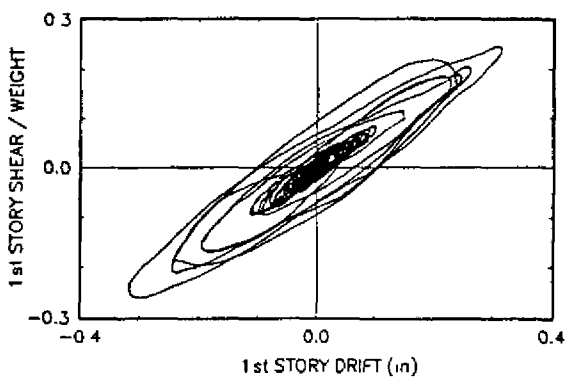
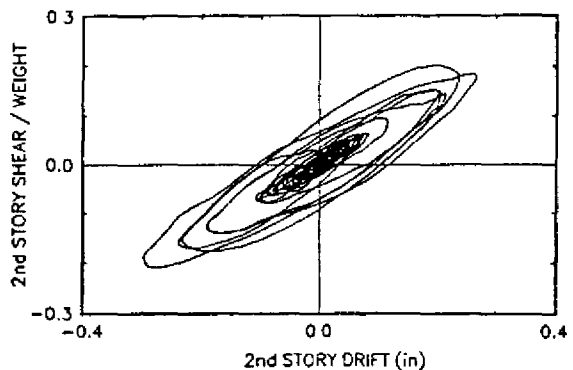
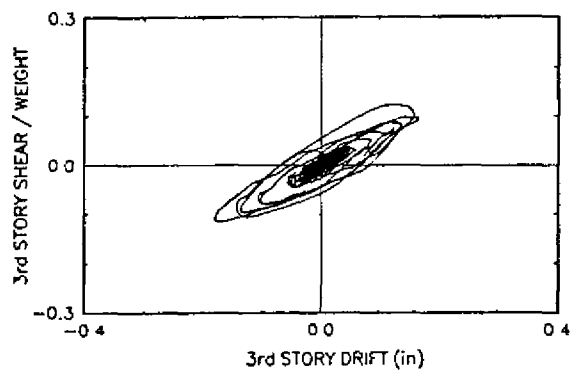
3-STORY, NO DAMPERS, TAFT 100%



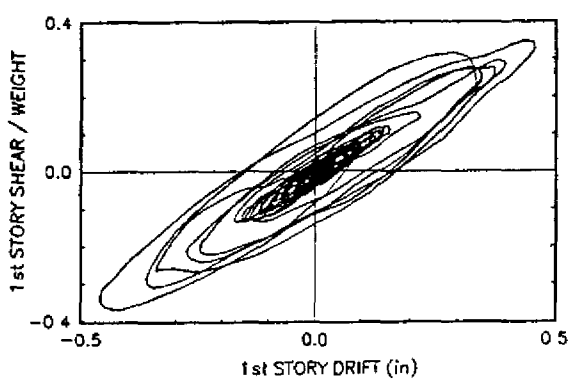
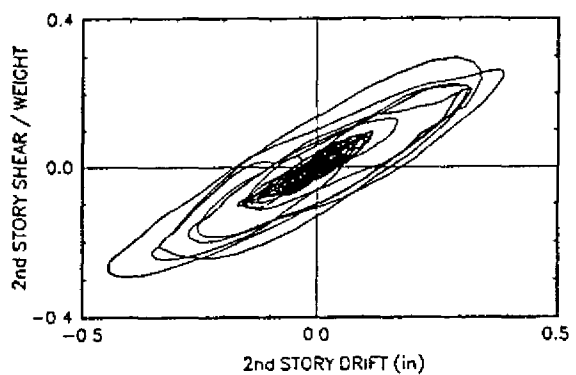
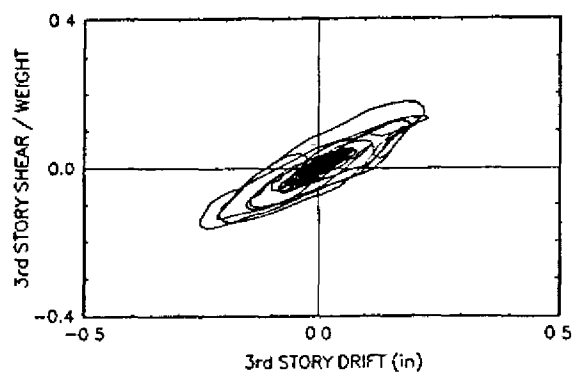
3-STORY, 6 DAMPERS, EL CENTRO 50%



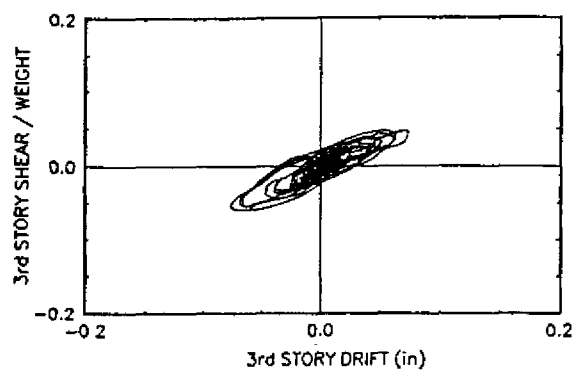
3-STORY, 6 DAMPERS, EL CENTRO 1.00%



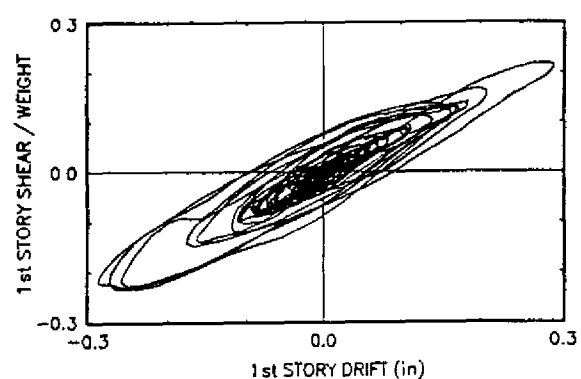
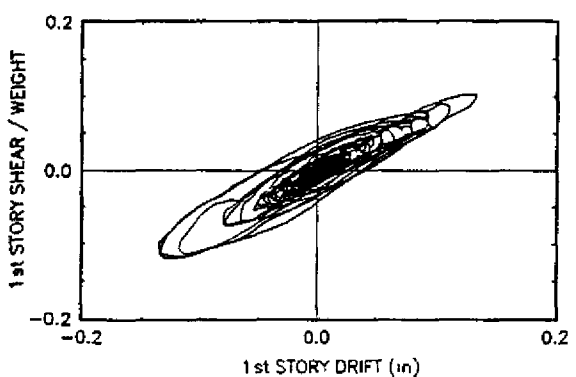
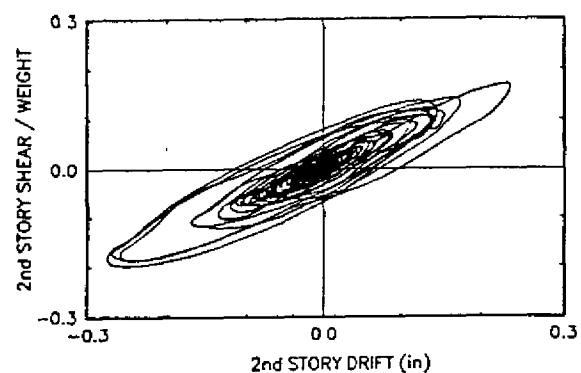
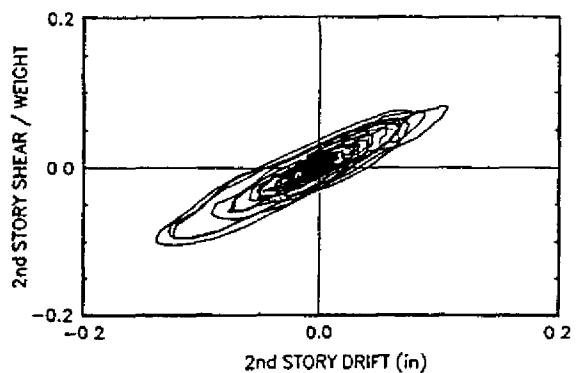
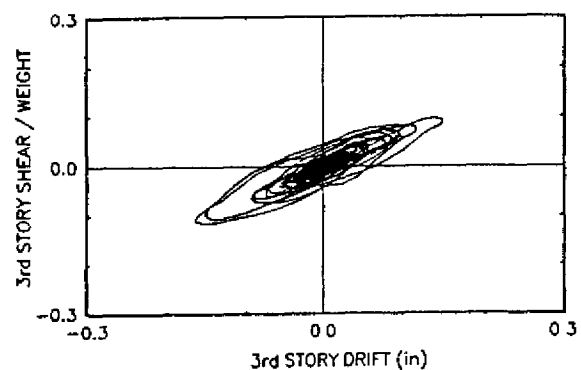
3-STORY, 6 DAMPERS, EL CENTRO 1.50%



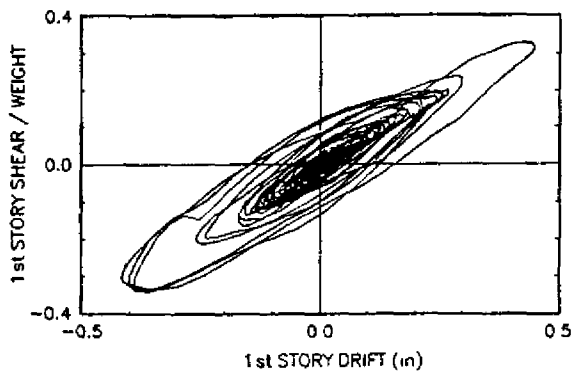
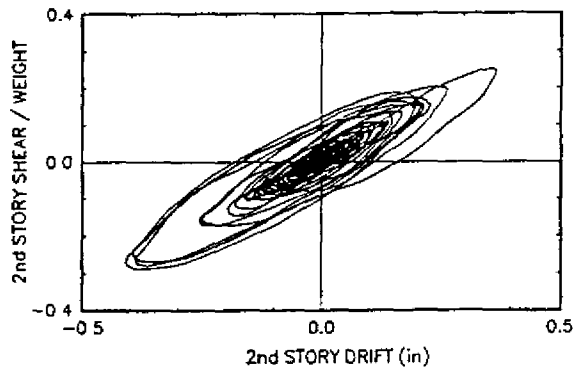
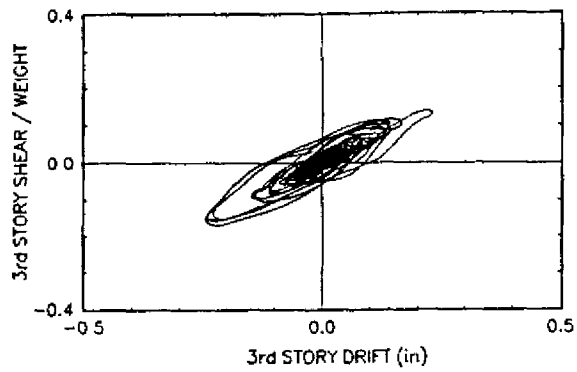
3-STORY, 6 DAMPERS, TAFT 100%



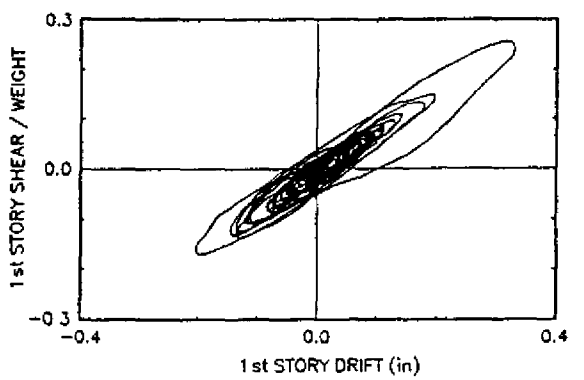
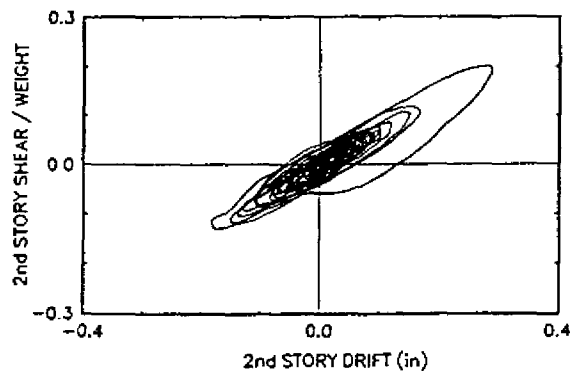
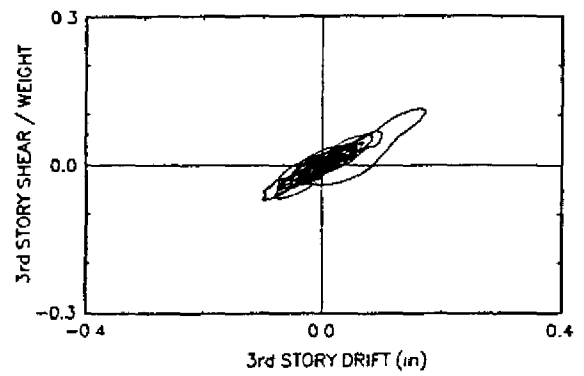
3-STORY, 6 DAMPERS, TAFT 200%



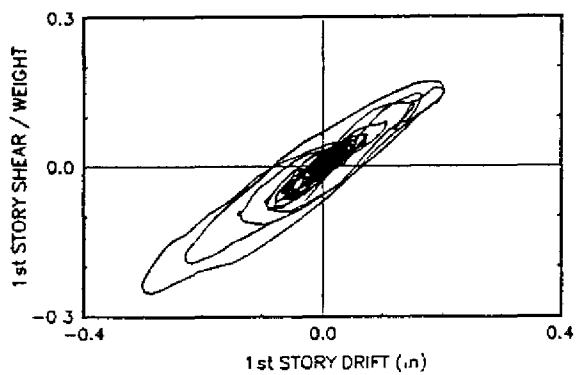
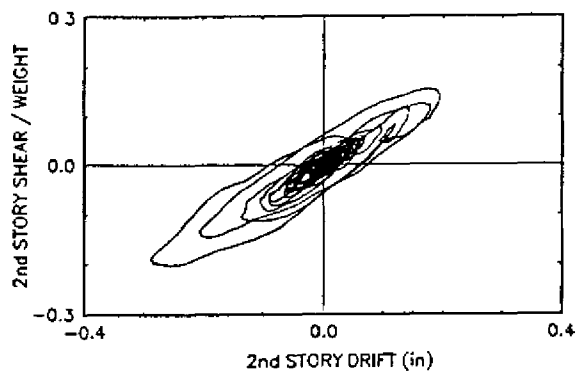
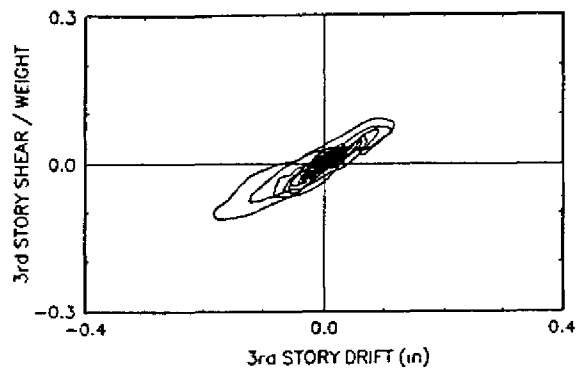
3-STORY, 6 DAMPERS, TAFT 300%



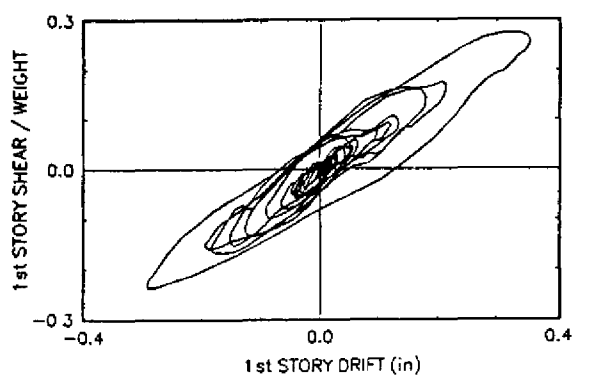
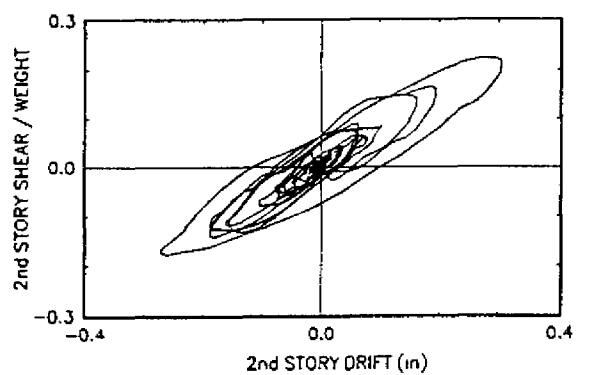
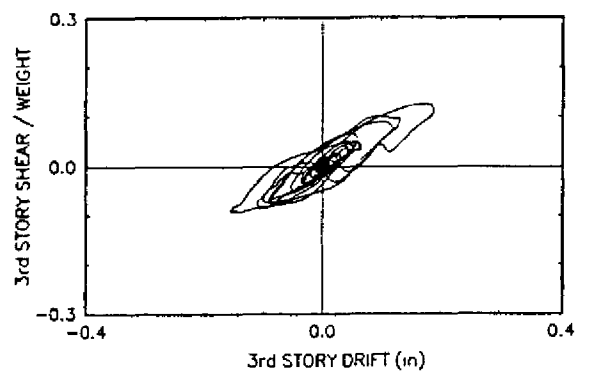
3-STORY, 6 DAMPERS, HACHINOHE 100%



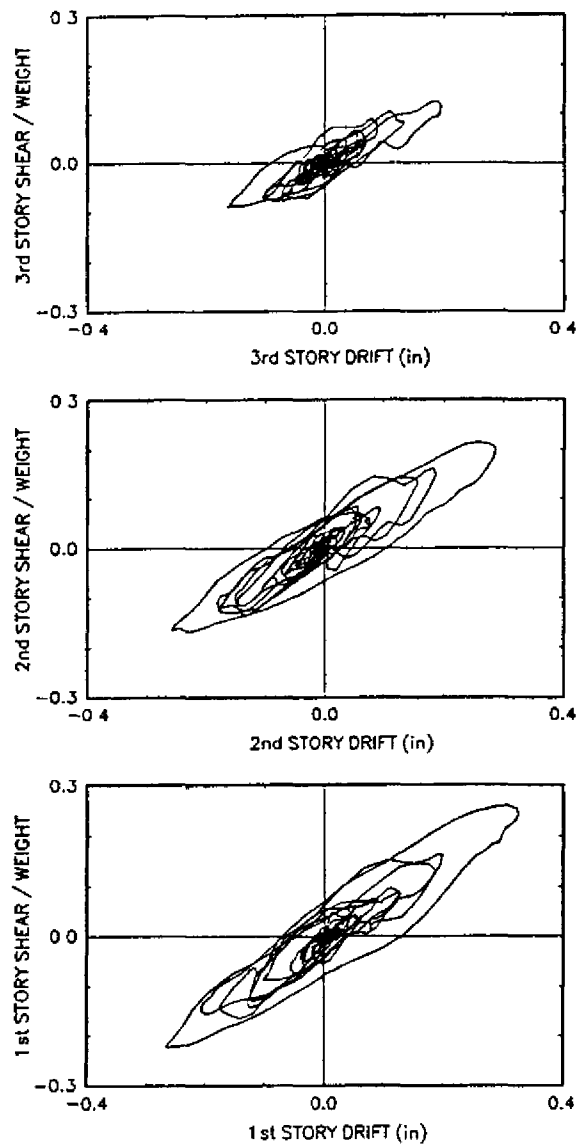
3-STORY, 6 DAMPERS, MIYAGIKEN 2007



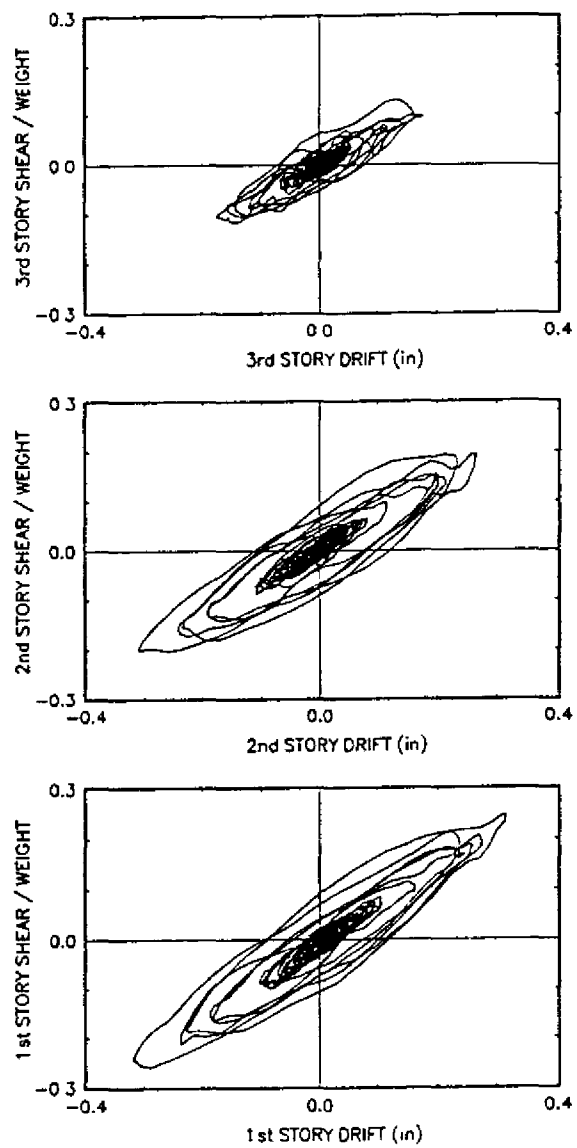
3-STORY, 6 DAMPERS, PACOIMA DAM 50%



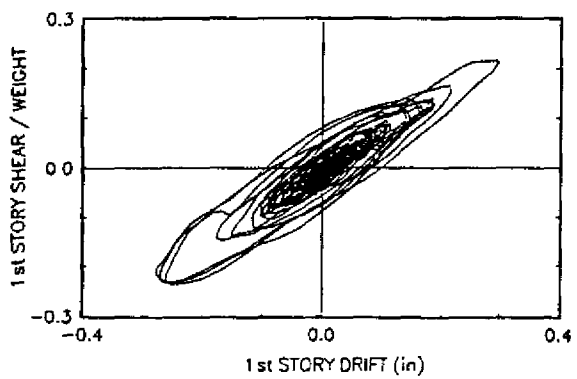
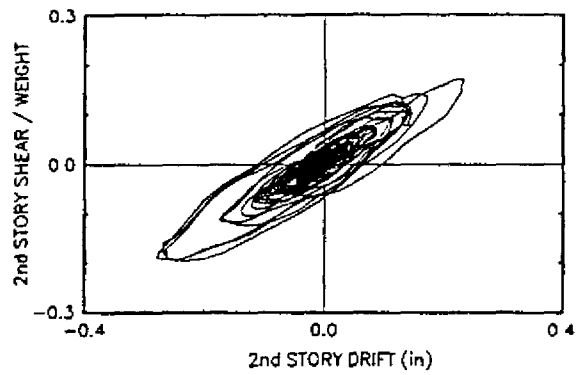
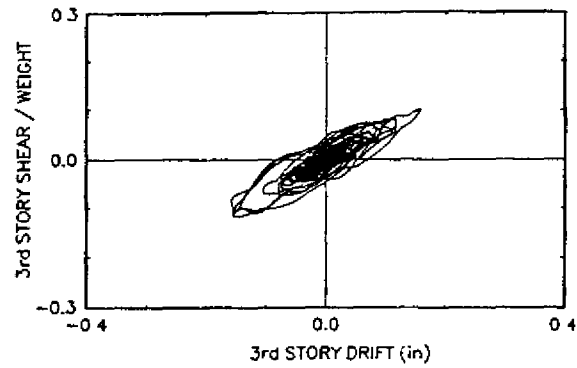
3—STORY, 6 DAMPERS, PACOIMA DAM 50% (H&V)



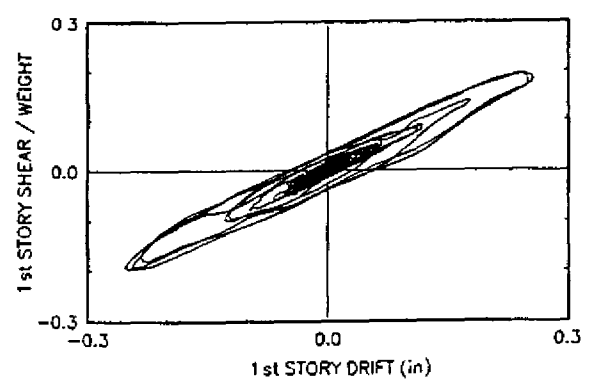
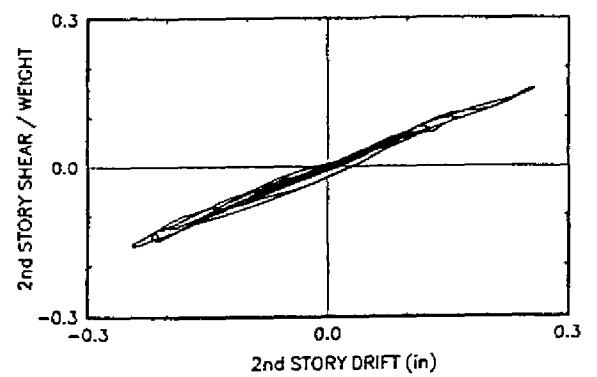
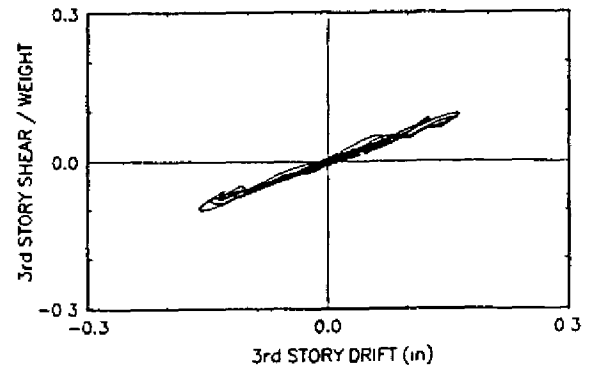
3—STORY, 6 DAMPERS, EL CENTRO 1 00% (H&V)



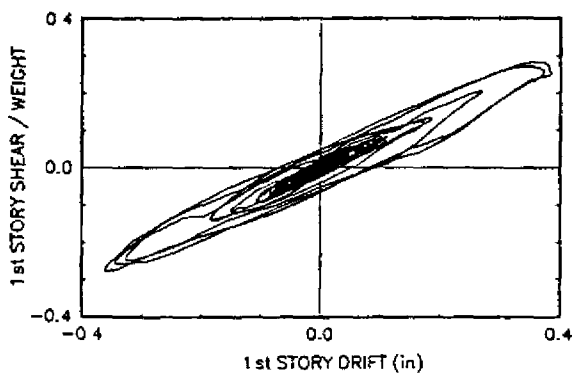
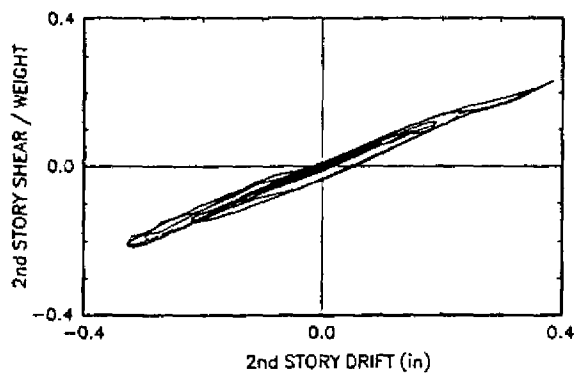
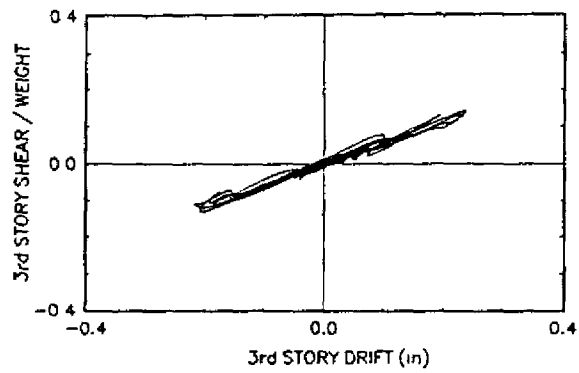
3-STORY, 6 DAMPERS, TAFT 200% (H&V)



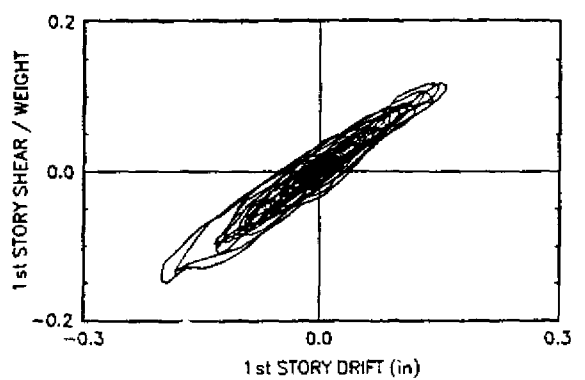
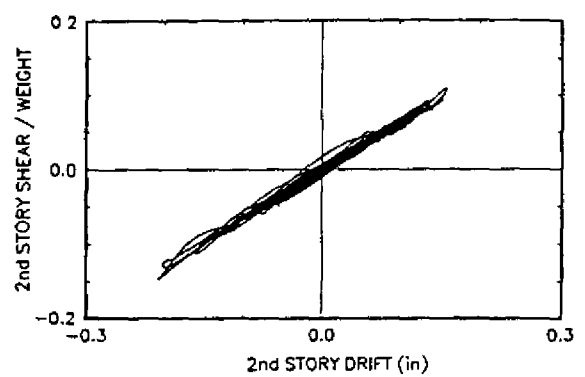
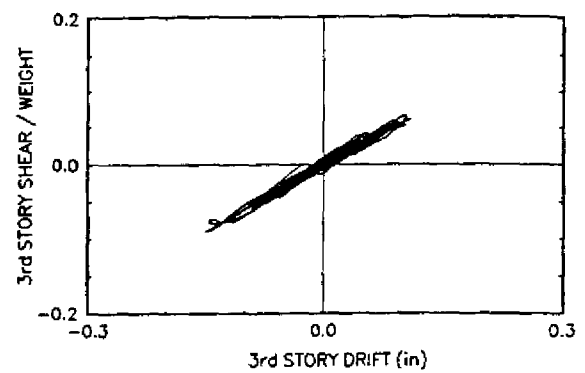
3-STORY, 2 DAMPERS, EL CENTRO 50%



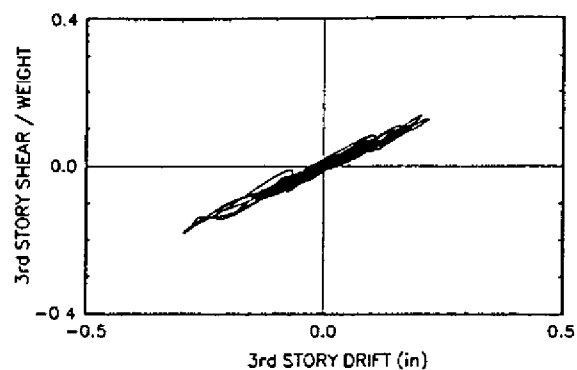
3-STORY, 2 DAMPERS, EL CENTRO 75%



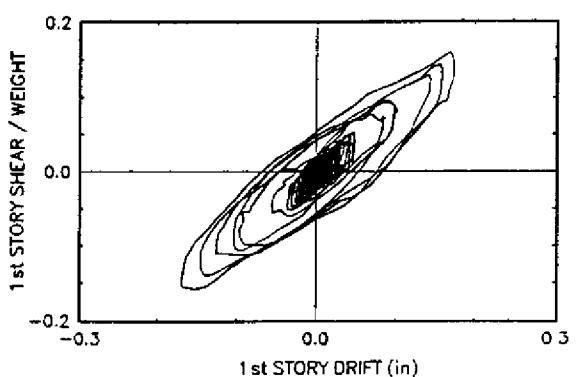
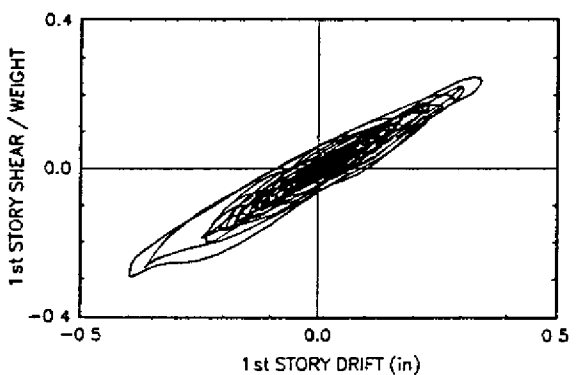
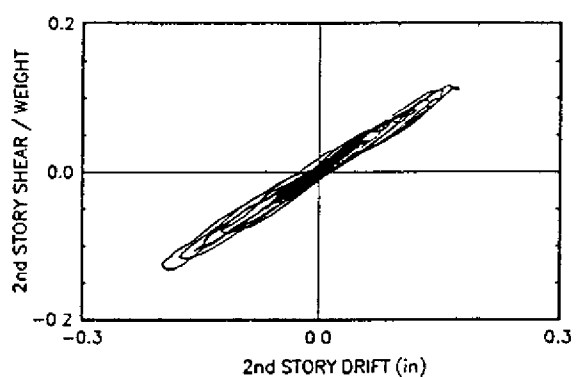
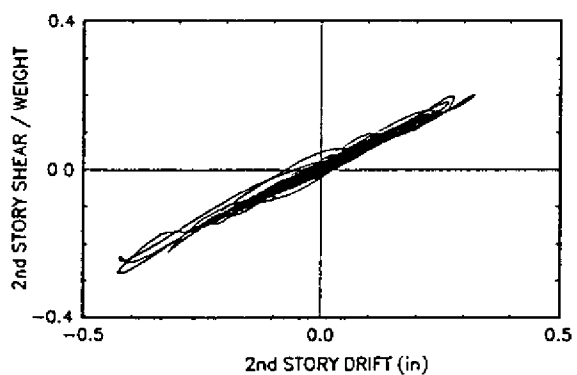
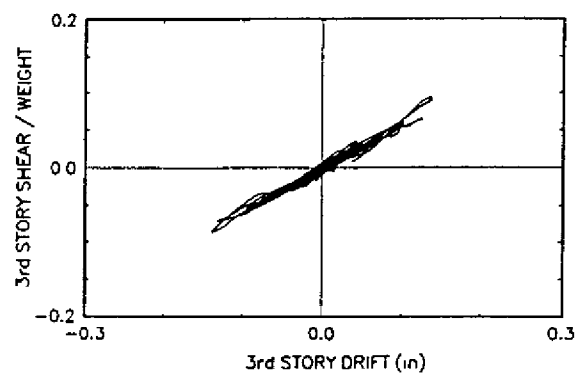
3-STORY, 2 DAMPERS, TAFT 1 00%



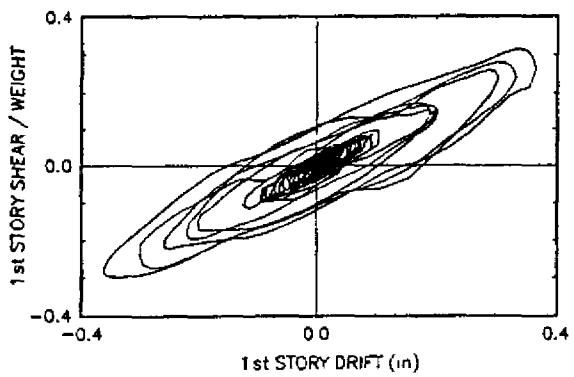
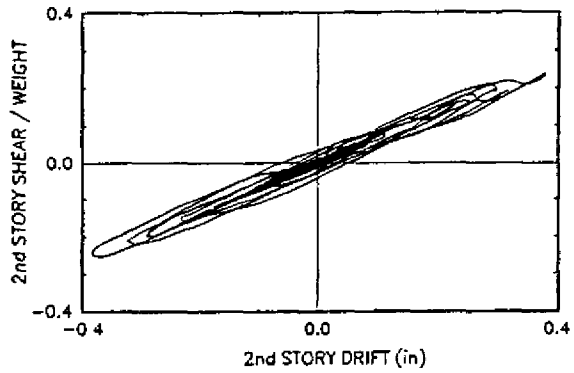
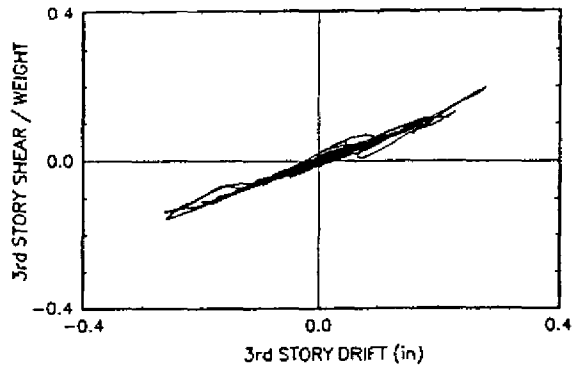
3-STORY, 2 DAMPERS, TAFT 200Z



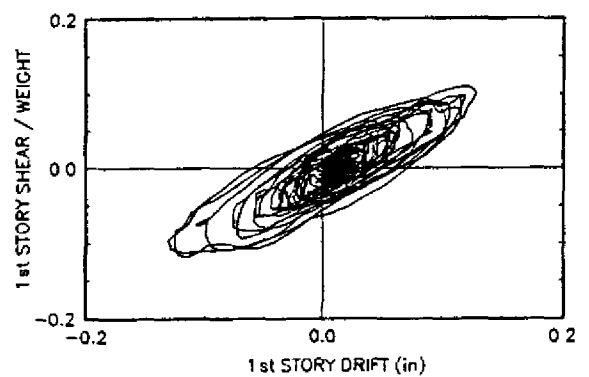
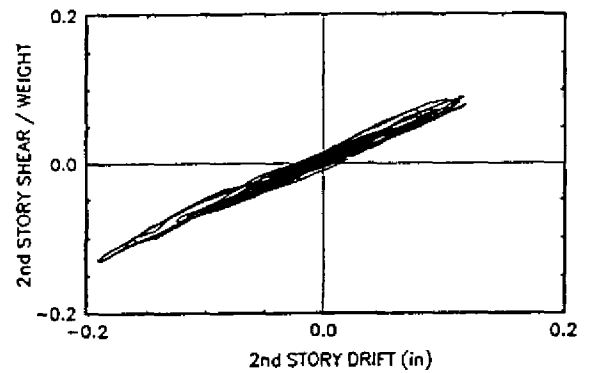
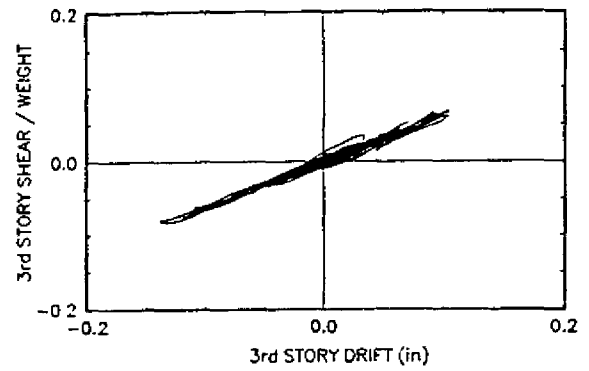
3-STORY, 4 DAMPERS, EL CENTRO 50%



3-STORY, 4 DAMPERS, EL CENTRO 100%



3-STORY, 4 DAMPERS, TAFT 100%



3-STORY, 4 DAMPERS, TAFT 2007

