

**Metadata file for experimental centrifuge test data  
relating to PhD Thesis entitled  
Performance of circular shafts and ground behaviour during construction**

**Centrifuge testing of shaft excavation in sand:**

- ASCII data files containing raw data for centrifuge test CSD01 to CSD08
- Location of displacement transducers and strain gauges:
  - DisplacementTransducerLayout\_Sand.pdf
  - StrainGaugesLayout\_Sand.pdf
- Instrument calibration factors:
  - CalibrationFactors\_Sand.pdf

**Centrifuge testing of shaft excavation in clay:**

- ASCII data files containing raw data for centrifuge test CCY01 and CCY04
- Location of displacement transducers and strain gauges:
  - DisplacementTransducerLayout\_Clay.pdf
  - StrainGaugesLayout\_Clay.pdf
- Instrument calibration factors
  - CalibrationFactors\_Clay.pdf
- ExcavationProgress\_ClayTests.xlsx

**Table 1. Summary of centrifuge test data**

DataRaw_CSD01	CSD01_1DActuator.ASC	
	CSD01_Data.ASC	
	CSD01_LC016.ASC	
	CSD01_Strains.ASC	
DataRaw_CSD02	CSD02_1DActuator.ASC	
	CSD02_Data.ASC	
	CSD02_LC016.ASC	
	CSD02_POT022.ASC	
	CSD02_strainCH9-CH20.ASC	
	CSD02_Thermo_StrainCH1-CH8.ASC	
DataRaw_CSD03	CSD03_1DActuator.ASC	
	CSD03_Data.ASC	
	CSD03_LC016.ASC	
	CSD03_POT022.ASC	
	CSD03_strainCH9-CH20.ASC	
	CSD03_Thermo_StrainCH1-CH8.ASC	
DataRaw_CSD04	ActuatorTest1.ASC	
	CSD04_1DActuator.ASC	
	CSD04_Data.ASC	

	CSD04_LC016.ASC	
	CSD04_POT022.ASC	
	CSD04_strainCH9-CH20.ASC	
	CSD04_Thermo_LVDT052_StrainCH1-CH8.ASC	
DataRaw_CSD05	CSD05_1DActuator.ASC	
	CSD05_Data.ASC	
	CSD05_LC016.ASC	
	CSD05_POT022.ASC	
	CSD05_strainCH9-CH20.ASC	
	CSD05_Thermo_LVDT052_StrainCH1-CH8.ASC	
DataRaw_CSD05b	CSD05b_1DActuator.ASC	
	CSD05b_Data.ASC	
	CSD05b_LC016.ASC	
	CSD05b_POT022.ASC	
	CSD05b_strainCH9-CH20.ASC	
	CSD05b_Thermo_LVDT052_StrainCH1-CH8	
DataRaw_CSD06	CSD06_1DActuator.ASC	
	CSD06_Data.ASC	
	CSD06_LC016.ASC	
	CSD06_POT022.ASC	
	CSD06_strainCH9-CH20.ASC	
	CSD06_Thermo_LVDT052_StrainCH1-CH8.ASC	
DataRaw_CSD06b	CSD06b_1DActuator.ASC	
	CSD06b_LC016.ASC	
	CSD06b_POT022.ASC	
	CSD06b_strainCH9-CH20.ASC	
	CSD06b_Thermo_LVDT052_StrainCH1-CH8.ASC	
RawData_CSD07	CSD07_Data_Test.ASC	
	CSD07_Data_warmup.ASC	
	CSD07_SwingDwn.ASC	
RawData_CSD08	CSD08_1DActuator.ASC	
	CSD08_Data1_Test.ASC	
	CSD08_Data2_Test.ASC	
	CSD08_Data3_Test.ASC	
DataRaw_CCY01	CCY01_Reconsolidation_Data1.ASC CCY01_Reconsolidation_Data2.ASC CCY01_Reconsolidation_Data3.ASC	
	CCY01_Excavation_Data1.ASC CCY01_Excavation_Data2.ASC CCY01_Excavation_Data3.ASC	
	CCY01_Swingdown_Data1.ASC CCY01_Swingdown_Data2.ASC CCY01_Swingdown_Data3.ASC	

DataRaw_CCY04	CCY04_upto10g_Data1.ASC CCY04_upto10g_Data2.ASC CCY04_upto10g_Data3.ASC	
	CCY04_Reconsolidation_Data1.ASC CCY04_Reconsolidation_Data2.ASC CCY04_Reconsolidation_Data3.ASC	
	CCY04_Excavation_Data1.ASC CCY04_Excavation_Data2.ASC CCY04_Excavation_Data3.ASC	
	CCY04_Swingdown_Data1.ASC CCY04_Swingdown_Data2.ASC CCY04_Swingdown_Data3.ASC	