



SurvCE Level File Format (*.LEV)

- ***Introduction***
- ***Format Structure***

Introduction

This document outlines the Carlson SurvCE Level File (*.LEV) format in detail. The format is a comma separated ASCII file containing record types, headers, recorded data and comments.

Format Structure

Header Records

Record Type: H1 & H2

Field Headers:

PR Project Name (H1)
OP Operator Name (H1)
LP Loop Number (H1)
DT Date (H2)
TM Time (H2)
PR Pressure (H2)
TP Temperature (H2)

Sample(s):

H1,PRProject One,OPDonnie Stallings,LPLoop One
H2,DT04/13/2004,TM09:09:09,PR30,TP77

Start Record

Record Type: SR

Field Headers:

PN Point Name
BT Backsight Top Reading (3-Wire Only)
BM Backsight Middle Reading (3-Wire Only)
BB Backsight Bottom Reading (3-Wire Only)
BS Backsight Middle Reading (Single Wire Only)
FT Empty field for start records.
FM Empty field for start records.
FB Empty field for start records.
EL Floating Elevation
EF Fixed Elevation (Bench Mark)
-- Description

Sample(s):

SR,PNBMX,BT6.300,BM5.300,BB4.300,FT,FM,FB,EL,--

Turning Point

Record Type: TP

Field Headers:

PN Point Name
BT Backsight Top Reading (3-Wire Only)
BM Backsight Middle Reading (3-Wire Only)
BB Backsight Bottom Reading (3-Wire Only)
BS Backsight Middle Reading (Single Wire Only)
FT Foresight Top Reading (3-Wire Only)
FM Foresight Middle Reading (3-Wire Only)
FB Foresight Bottom Reading (3-Wire Only)
FS Foresight Middle Reading (Single Wire Only)
-- Description

Samples:

TP,PN,BT1.300,BM0.700,BB0.100,FT7.000,FM6.000,FB5.000,--

Format Structure (Continued)

Ending Record

Record Type: ER

Field Headers:

PN	Point Name
BT	Backsight Top Reading (3-Wire Only)
BM	Backsight Middle Reading (3-Wire Only)
BB	Backsight Bottom Reading (3-Wire Only)
BS	Backsight Middle Reading (Single Wire Only)
FT	Foresight Top Reading (3-Wire Only)
FM	Foresight Middle Reading (3-Wire Only)
FB	Foresight Bottom Reading (3-Wire Only)
FS	Foresight Middle Reading (Single Wire Only)
EL	Floating Elevation
EF	Fixed Elevation (Bench Mark)
--	Description

Samples:

ER,PNBMY,BT,BM,BB,FT12.760,FM11.760,FB10.760,EL107.440,--

Sideshot Record

Record Type: LV

Field Headers:

PN	Point Name
BT	Backsight Top Reading (3-Wire Only)
BM	Backsight Middle Reading (3-Wire Only)
BB	Backsight Bottom Reading (3-Wire Only)
BS	Backsight Middle Reading (Single Wire Only)
FT	Foresight Top Reading (3-Wire Only)
FM	Foresight Middle Reading (3-Wire Only)
FB	Foresight Bottom Reading (3-Wire Only)
FS	Foresight Middle Reading (Single Wire Only)
--	Description

Samples:

LV,PN,BT,BM,BB,FT7,FM5,FB3,--