

ALCOA SAG10

Sag Corrections and Clipping Offsets

Sample Problem
Offset Clipping Data

Conductor DRAKE 795.0 Kcmil 26/ 7 Stranding ACSR

1.094 Lb/F Bare Conductor Wght 7286. Lb Horizontal Tension at 60. Deg F
1000.0 Ft Ruling Span

Cntrline Station Feet	Structure Number	Clipping Offset In	Level Span Feet	Equiv Span Feet	Elev Diff Feet	Sag Corr Feet
1072+53.00	Str # 1-1	.0	100.00	118.92	-100.00	-.02
1073+53.00	Str # 1-2	-9.7	100.00	115.99	90.00	-.03
1074+53.00	Str # 1-3	-20.0	100.00	115.99	-90.00	-.03
1075+53.00	Str # 1-4	-30.2	100.00	283.94	-800.00	-2.10
1076+53.00	Str # 1-5	2.6	100.00	295.93	870.00	-2.20
1077+53.00						
1077+83.00	Str # 1-6	42.1	70.00	77.60	50.00	-.02
1078+53.00	Str # 1-7	38.1	100.00	100.25	10.00	-.06
1079+53.00	Str # 1-8	24.1	100.00	101.65	-26.00	-.06
1080+53.00	Str # 1-9	10.5	100.00	117.74	96.00	-.03
1081+53.00	Str # 1-10	.6	100.00	203.05	-400.00	-2.33
1082+53.00	Str # 1-11	4.7	100.00	149.53	-200.00	.42
1083+53.00	Str # 1-12	.0				

Notes:

1. The following assumptions are made in this program
 - A. The spans listed are from and to catch-off points/dead-end structures.
 - B. Structure sequence is in the same order as clip-in sequence. Otherwise, an error will result.
2. A negative offset is towards the span ahead; positive is towards the span back.