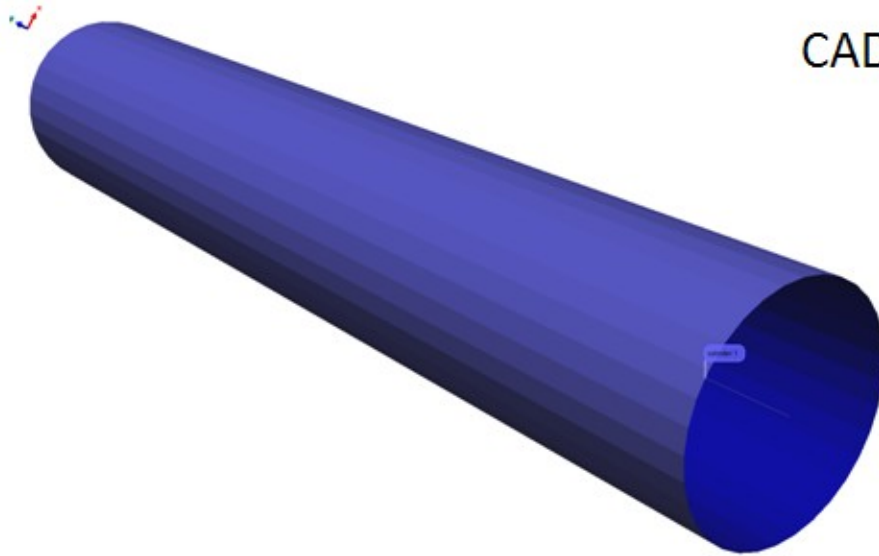
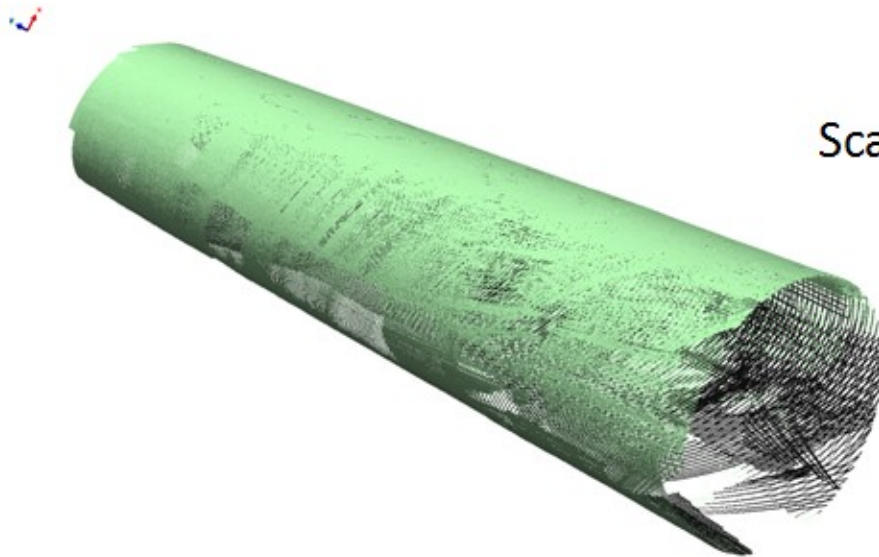




Pipe Corrosion Inspection Report
Created by Les Randle
of
3D Scanners UK Ltd
21st July 2008



CAD Data



Scan Data



CAD Data and Scan Data Aligned using a "Best Fit" Method.

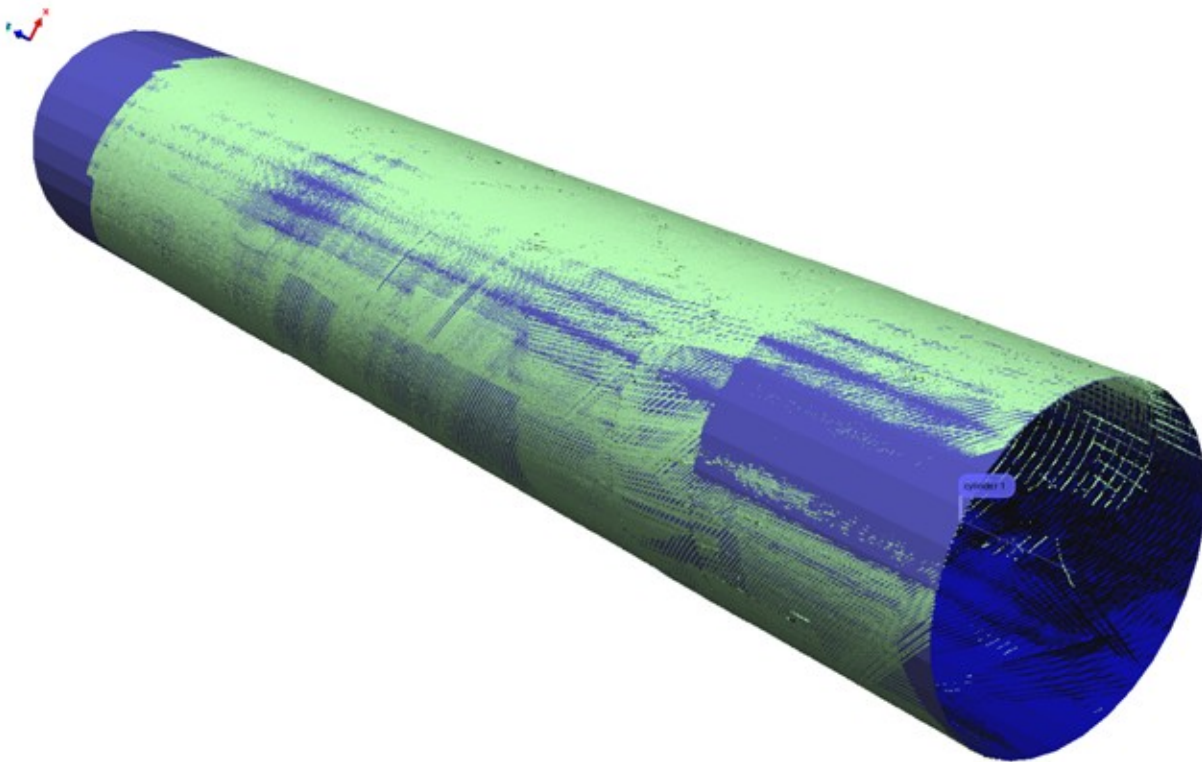


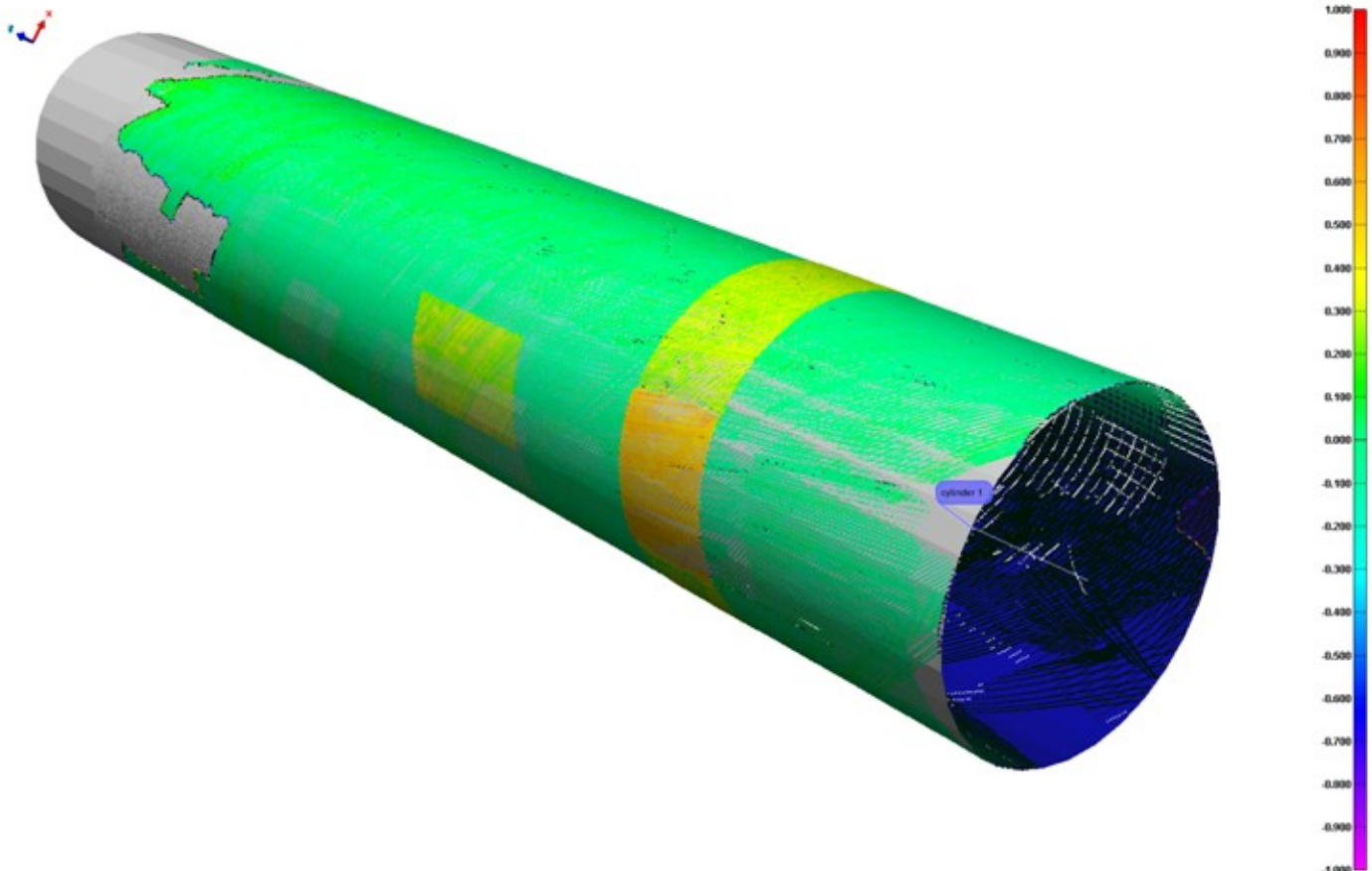


Table Type Data to Reference (Data Point)

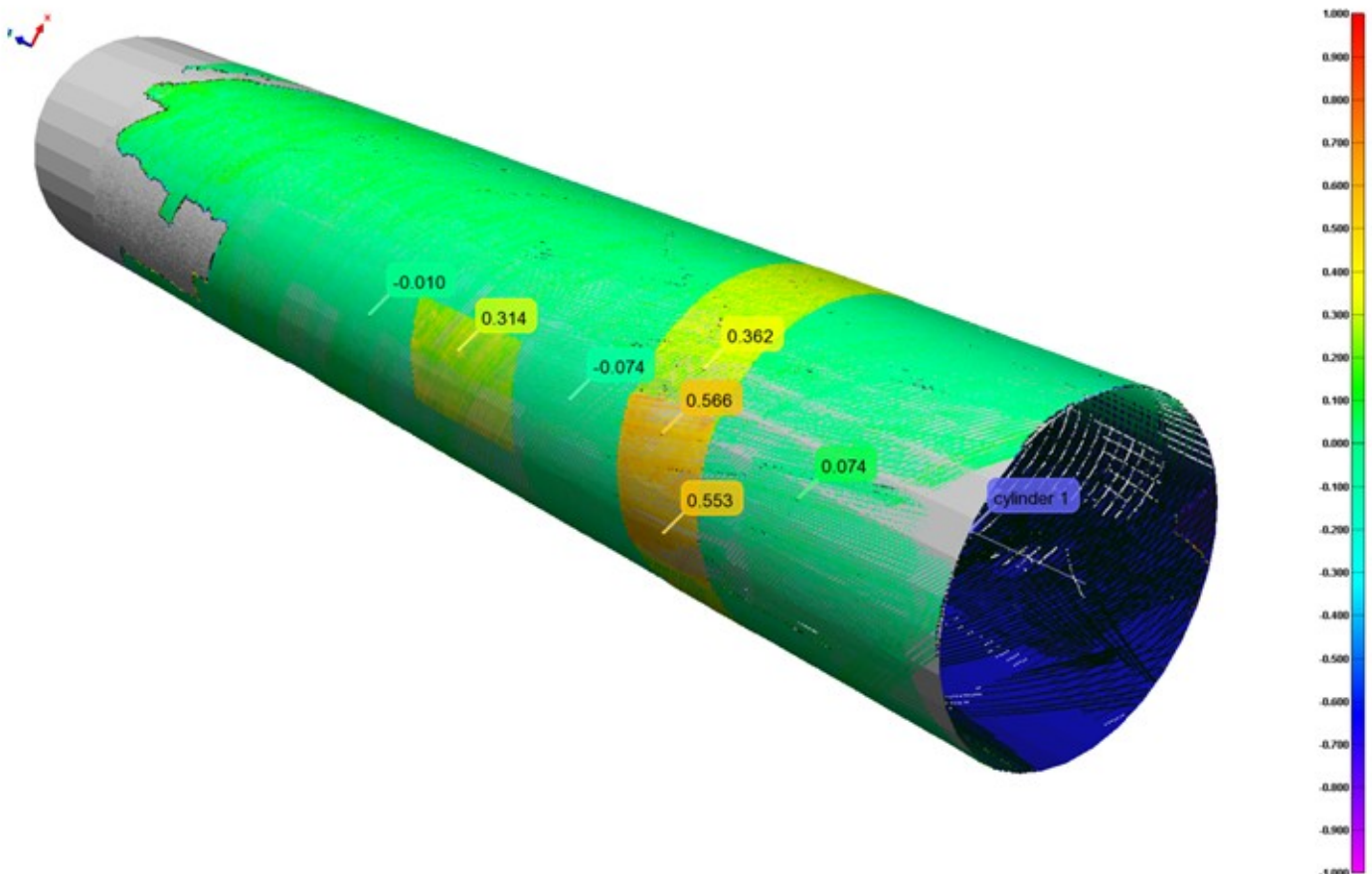
Cmp Object(s)	Carbon Test 1 (2)
Ref	Mesh of Untitled
Virtual Surface	
Effective Surface(s)	
Cmp Dist	1.000000
Cmp Angle	45.000000
HiTol +	2.000000
LoTol +	1.000000
LoTol -	-1.000000
HiTol -	-2.000000
Err Dir	Shortest Distance

#Points	611025
Mean	0.038148
StdDev	0.128607
RMS Error	0.134146
MaxErr +	0.999742
MaxErr -	-0.999722
Max Error	0.999742
Min Error	-0.999722
Profile of a surface	1.999464

Colour Map Comparison & Table To Show The Deviation Between CAD Data and Scan Data.

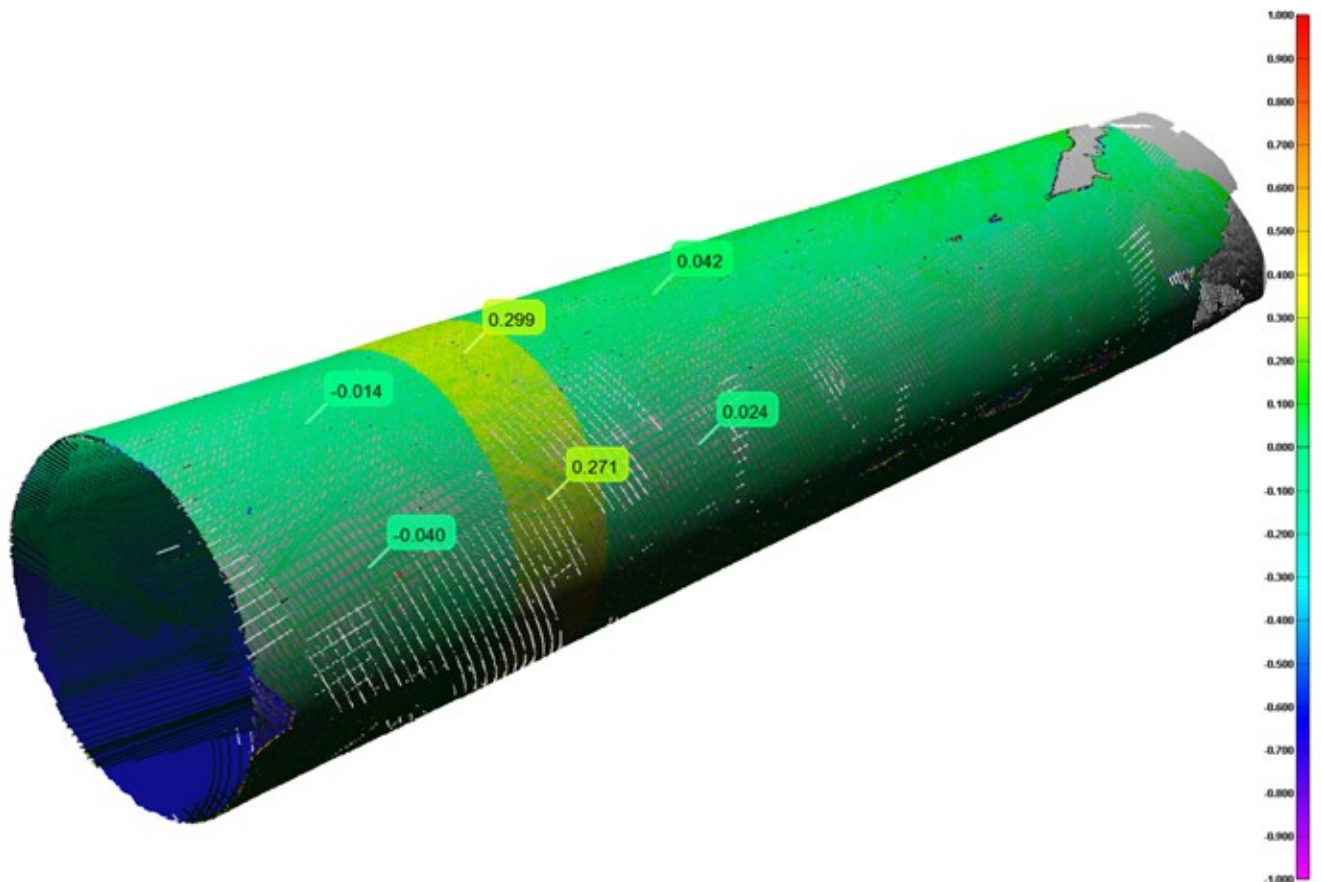


Simple Error Annotations
To Show
Deviation From CAD To Scan Data
At Specific Points Which Can Be
Picked By The User.





"Picked Error Annotations" Created By The User From Another View.





View To Show Cross Sections Created Along The "Y" Axis.

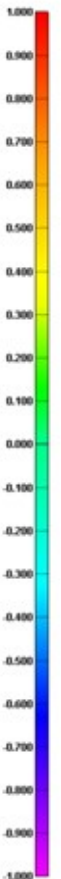
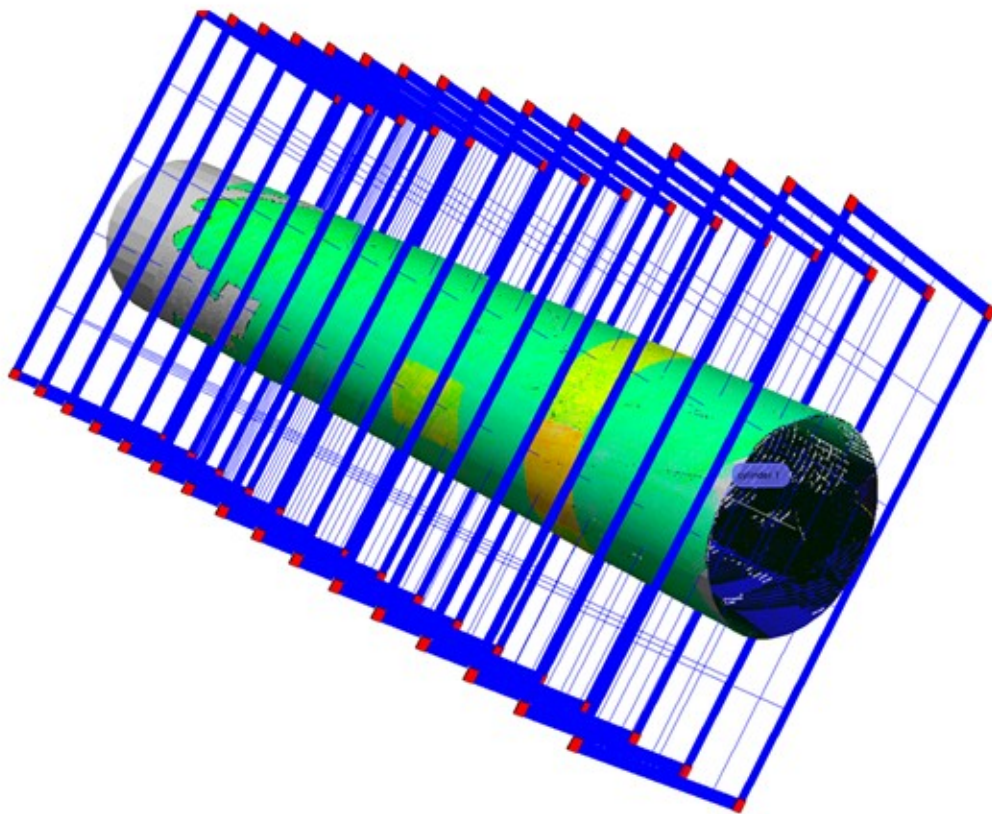




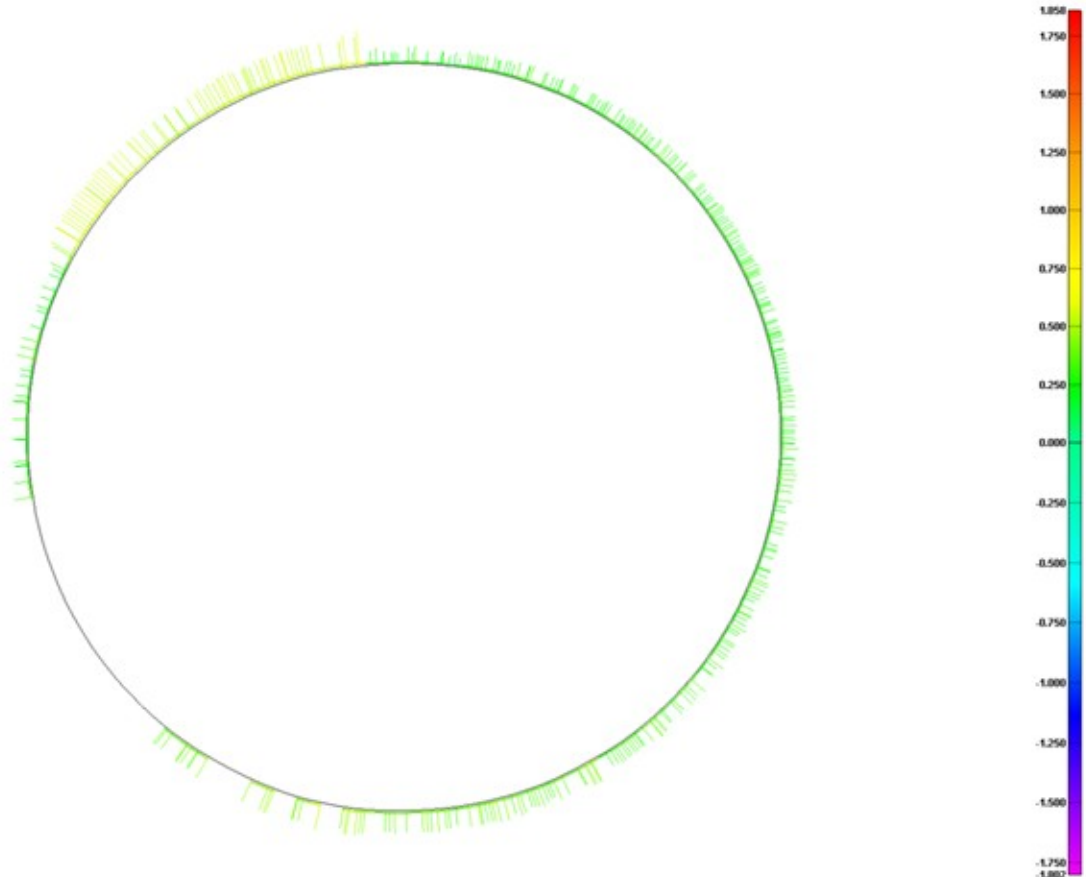
Table Of Cross Section Results And One Of The Cross Sections.

Table Type Cross-Sections

Cmp Dist	2.000000
Cmp Angle	45.000000
Err Dir	Shortest Distance
Offset	

Name	Index	#Points	Mean	StdDev	RMS Error	MaxErr +	MaxErr -	Max Error	Min Error	Profile of a line	%Out HiTol	%Out LoTol
cross-section 1 (y=-800)	1	290	-0.004519	0.159434	0.159225	1.759025	-1.406842	1.759025	-1.406842	3.165867	0.000000	0.689655
cross-section 2 (y=-750)	2	419	-0.001035	0.061225	0.061161	0.199287	-0.141903	0.199287	-0.141903	0.341190	0.000000	0.000000
cross-section 3 (y=-700)	3	397	-0.002592	0.064504	0.064475	0.216936	-0.179030	0.216936	-0.179030	0.396967	0.000000	0.000000
cross-section 4 (y=-650)	4	369	0.350933	0.107162	0.366888	0.638737		0.638737	0.115183	0.523554	0.000000	0.000000
cross-section 5 (y=-600)	5	388	0.003815	0.064986	0.065014	0.257213	-0.141970	0.257213	-0.141970	0.399183	0.000000	0.000000
cross-section 6 (y=-550)	6	345	0.043182	0.067680	0.097802	0.306527	-0.136515	0.306527	-0.136515	0.443043	0.000000	0.000000
cross-section 7 (y=-500)	7	363	0.039049	0.093960	0.101631	0.317163	-0.123418	0.317163	-0.123418	0.440582	0.000000	0.000000
cross-section 8 (y=-450)	8	352	0.002259	0.063183	0.063134	0.456392	-0.128714	0.456392	-0.128714	0.585105	0.000000	0.000000
cross-section 9 (y=-400)	9	365	0.014093	0.054393	0.056117	0.167608	-0.092581	0.167608	-0.092581	0.260189	0.000000	0.000000
cross-section 10 (y=-350)	10	340	0.011642	0.148506	0.148744	1.857627	-1.331762	1.857627	-1.331762	3.189389	0.000000	0.586235
cross-section 11 (y=-300)	11	325	0.006336	0.129612	0.129767	0.132422	-1.577679	0.132422	-1.577679	1.710101	0.000000	0.615385
cross-section 12 (y=-250)	12	296	0.008701	0.204319	0.204159	1.366136	-1.633141	1.366136	-1.633141	2.999277	0.000000	2.027027
cross-section 13 (y=-200)	13	243	0.008122	0.253252	0.252861	1.464594	-1.802103	1.464594	-1.802103	3.266697	0.000000	2.880658
cross-section 14 (y=-150)	14	135	0.047685	0.253263	0.256786	1.419359	-1.600629	1.419359	-1.600629	3.019988	0.000000	2.222222
cross-section 15 (y=-100)	15	0										
cross-section 16 (y=-50)	16	0										

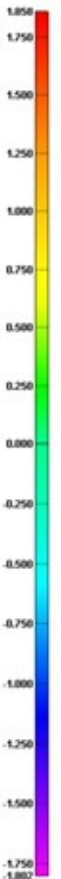
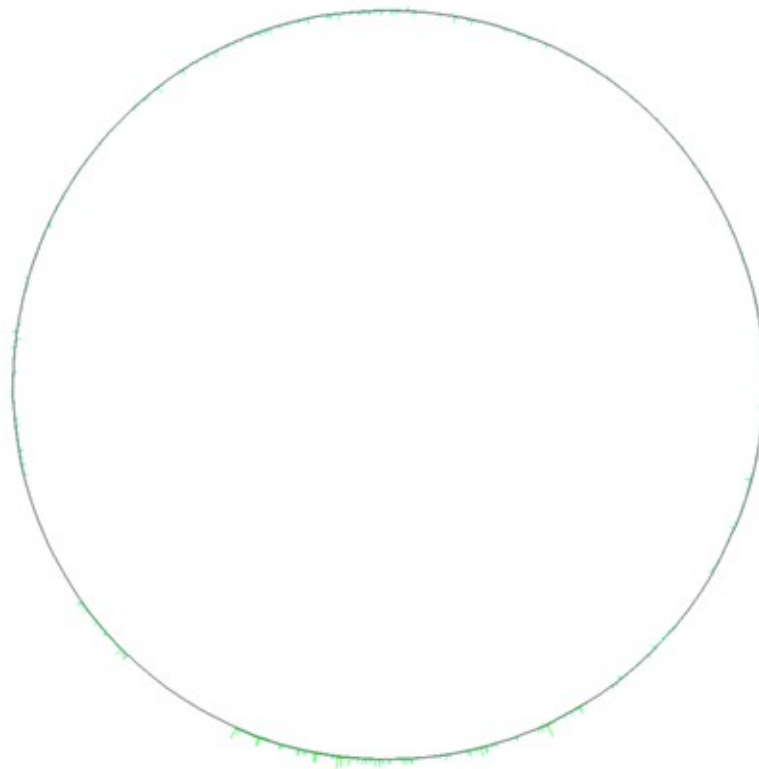
2D Cross-Section Viewing





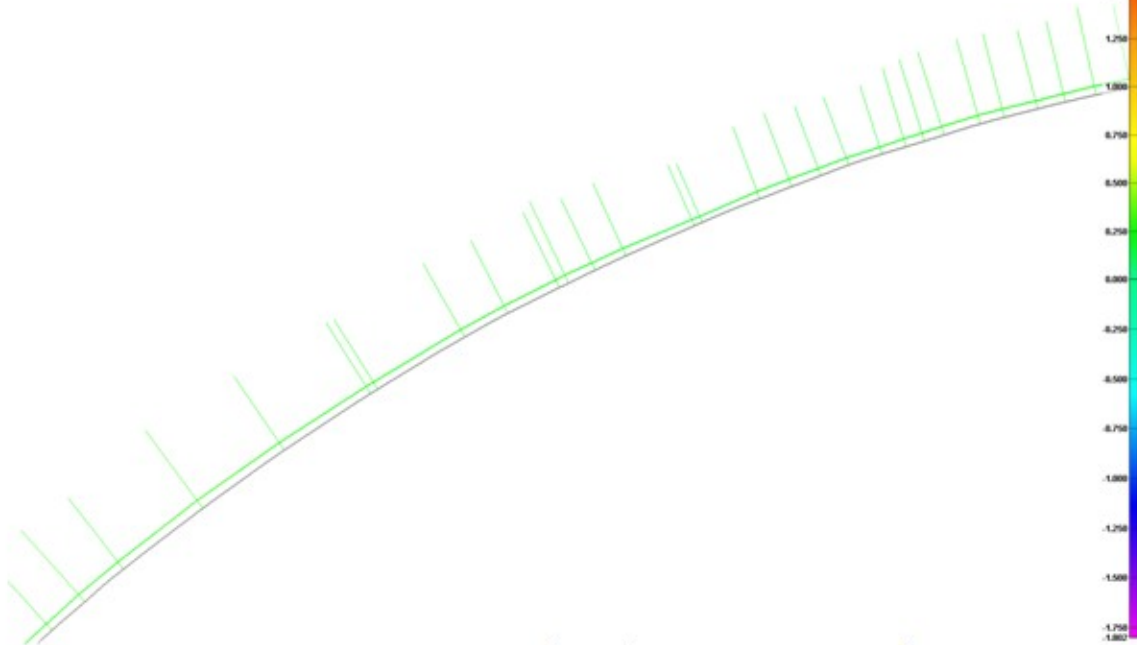
View Of Another Cross Section Showing Less Error Than The Previous Section.

2D Cross-Section Viewing





2D Cross Section Viewing



Magnified Images Of The Cross Sections.

2D Cross Section Viewing

