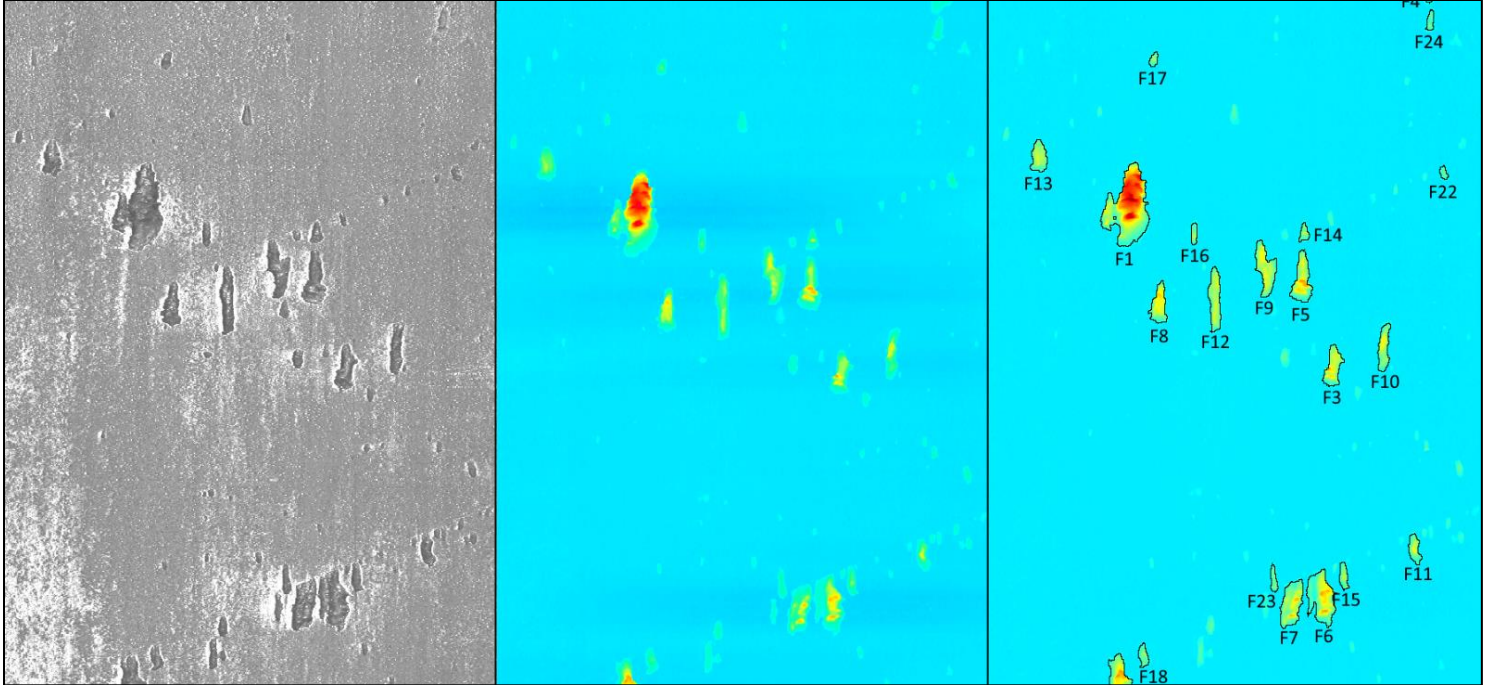


## LaserViewer™ Analysis Automatic Feature Detection Module – Smooth Bores



Three views of a section of a large caliber barrel. From Left: LaserVideo™ Image, Laser Profile Data, Automatic Feature Detection

	Start X	End X	Length X	Start Y	End Y	Length Y	Average	Peak	Area	Volume
F 1	152.45	168.58	16.13	3454.28	3500.51	46.23	1.808	4.390	419.39	758.172
F 2	153.23	163.12	9.89	3201.30	3236.35	35.05	1.357	3.493	187.45	254.347
F 3	223.56	230.94	7.37	3379.10	3402.47	23.37	1.176	2.767	92.87	109.192
F 4	256.35	263.02	6.68	3584.84	3600.08	15.24	0.955	2.721	69.30	66.200
F 5	213.16	220.96	7.80	3424.82	3453.27	28.45	1.171	2.701	123.22	144.345
F 6	218.54	228.51	9.97	3249.56	3281.56	32.00	1.066	2.610	197.32	210.307
F 7	210.12	217.75	7.63	3249.05	3276.48	27.43	1.054	2.414	142.78	150.490

Tabular results for calculated Erosion Features from the above large caliber scan data (sorted by maximum depth [Peak])

**Feature Criteria**

Feature Type: Erosion

Feature Threshold:  mm

Minimum Peak Depth:  mm

Minimum Feature Width:  mm

Minimum Feature Length:  mm

Minimum Feature Gap:  pixels

User-configurable settings for Automatic Feature Detection

### Automatic Feature Detection Module – Smooth Bores

(SFW-PC-RPT-S-AFD)

- **Includes all features** of Bore Analysis Reporting Module – Smooth Bore
- **Automatic** identification and calculation of all features based on user-defined criteria
- **Calculations** for Erosion, Deposits and Chrome Loss
- **Visual display** of location and boundaries of all identified features
- **Tabular reporting** of feature dimensions, including area, volume, position, and depth.