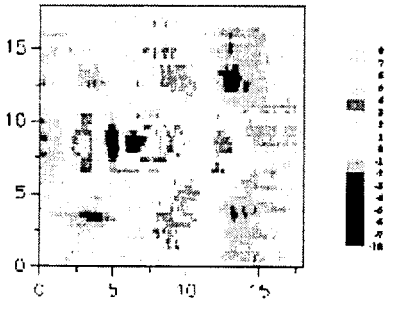
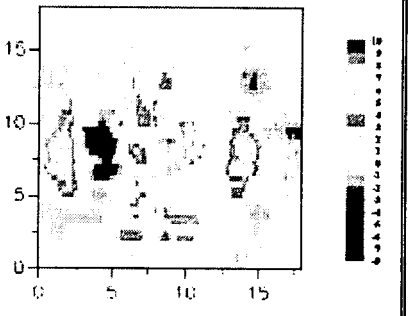
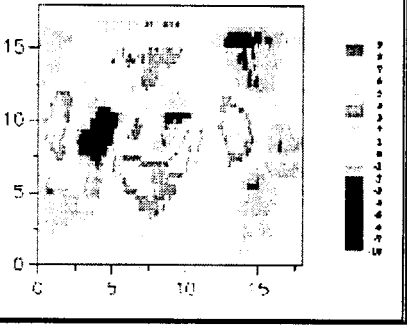
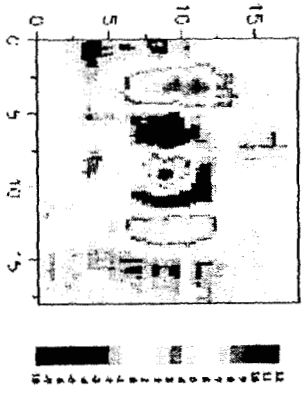
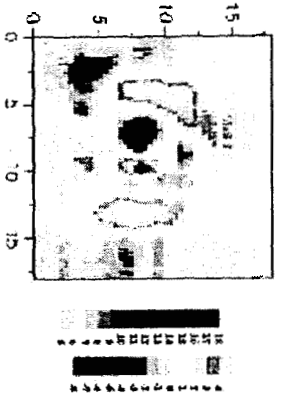
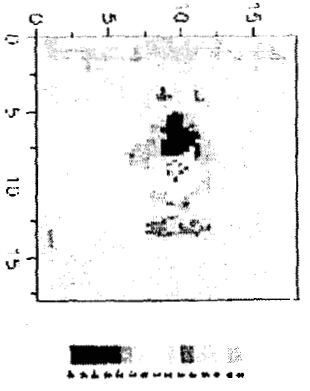
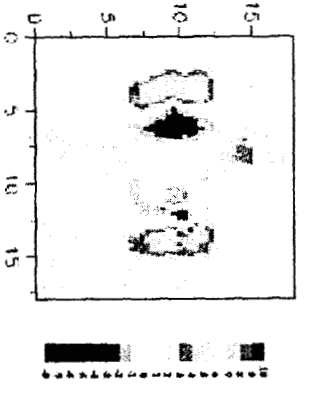
Defect Set 5 - Pull Rig Defects
Decoupled Data

This defect set was used in the pull rig. Clicking on the defect number will link to a page with all MFL data, as well as photographs and load-deflection-time plots. For a layout map of the defects, click here. For a description of the variables included in this table, see the legend at the bottom of this page.

#	**Decoupled** MFL **Signal**	D	L	FB	RI	RO	IW	IL	P	S
101		3	6	3	0	3	5%	5%	60%	S
102		3	6	0	6	0	5%	5%	60%	S
102r		3	6	0	6	0	5%	5%	60%	S

102rr		3	6	O	W	0	10%	10%	60%	S
103		3	6	0	W	0	0%	0%	60%	S
104		6	2	O	Z	0	0%	0%	60%	S
105		1	4	1	2	1	1	1	60%	S

106		1	6	2	2	2	1	1	60%	S
107		1	6	1	4	1	1	1	60%	S
108		1	8	2	4	2	1	1	60%	S
109		2	6	2	2	2	1	1	60%	S

114	113	111	110
			
3	3	2	2
6	6	8	8
1.5	3	4	2
3	1.5	0	4
1.5	1.5	4	2
1	1	1	1
1	1	1	1
60%	60%	60%	60%
S	S	S	S

115	116	117	118	S	F
2	3	3	2	S	F
8	6	6	6	S	F
2	1.5	3	2	S	F
5	1.5	0	2	S	F
1	3	3	2	S	F
1	1	1	1	S	F
1	1	1	1	S	F
1	1	1	1	S	F
60%	60%	60%	60%	S	F

119		2	8	2	4	2	1	1	30%	S
120		2	6	2	2	2	1	1	30%	S
121		2	8	4	2	2	1	0.5	60%	S
122		2	6	2	2	2	1	0.5	60%	S

124		2	w	2	2	2	1	1	60%	S
125		2	d	1	1	2	1	1	60%	S
126		2	4	1	2	1	0.5	1	60%	S
126r		2	4	1	2	1	1	1	60%	S

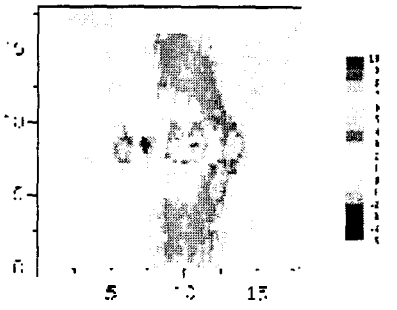
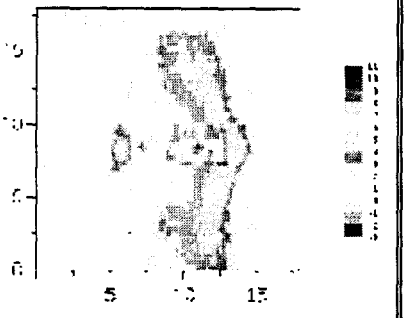
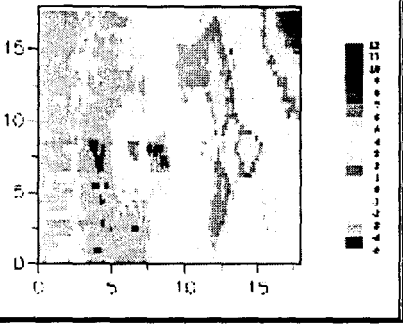
127		2	6	2	2	2	0.5	—	60%	S
128		2	6	1	3	2	1	1	60%	S
129		2	8	2	4	2	1	1	60%	S
131		2	6	2	2	2	0%	0%	60%	S

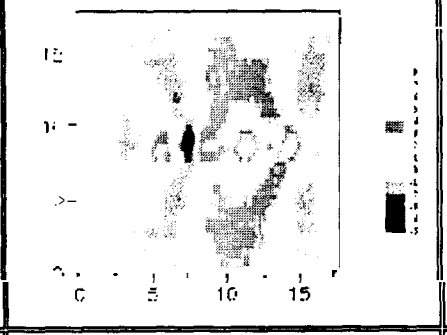
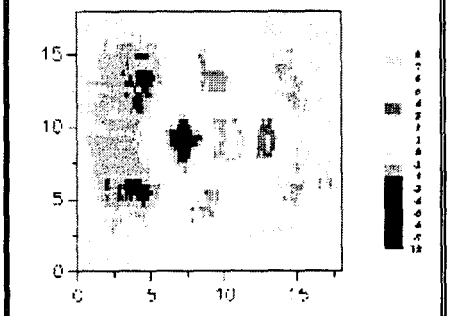
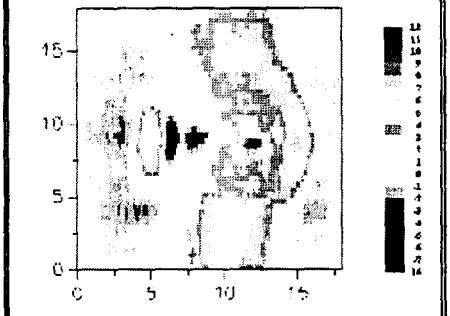
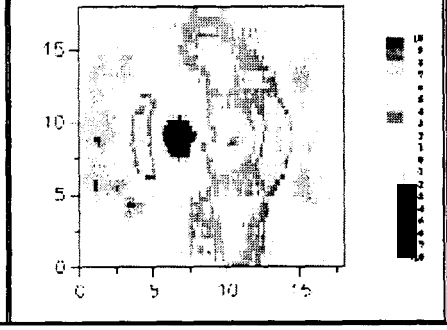
Legend:

- # = Defect # is an arbitrary number identifying each defect
- **D** = Depth is the dent depth in percent of the diameter.
- L = Overall Length is the total length of the gouge in inches.
- FB = Flat Bottom Length is the length of the fiat bottom portion of the gouge in inches.
- RI = Ramp In and RO = Ramp Out are the distances on either side of the flat bottom used to ramp the indentor into and out of the pipe (the overall gouge length is the sum of the flat bottom length and the ramp in and ramp out lengths).
- IW = Indentor Width and IL = Indentor Length are the footprint dimensions of the indentor in inches; where **x% is** shown, the indentor was a 4-inch sphere with a sharp protruding cutter that extended **x%** of the **wall** thickness.
- P = Pressure is the internal pipe pressure in percent of specified minimum yiemfl strength.
- S = Speed refers to the rate of axial movement of the indentor (S is 1 inch per second; F is *5* inches per second).

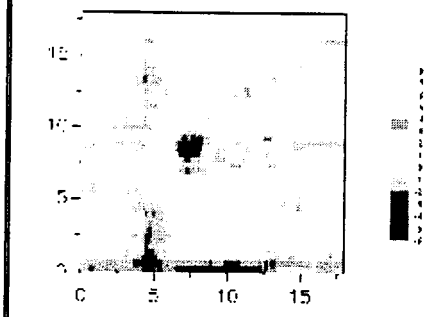
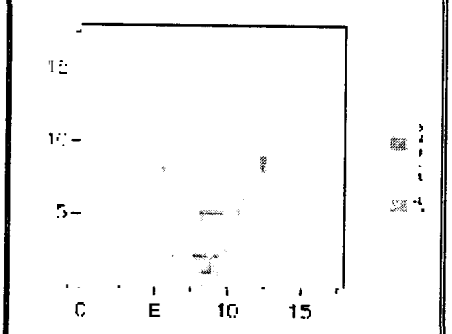
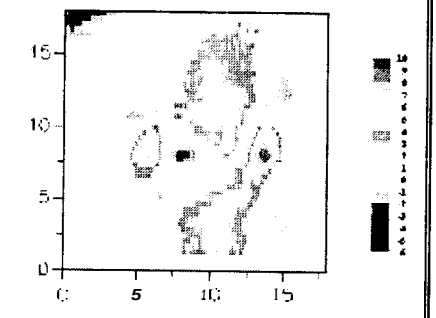
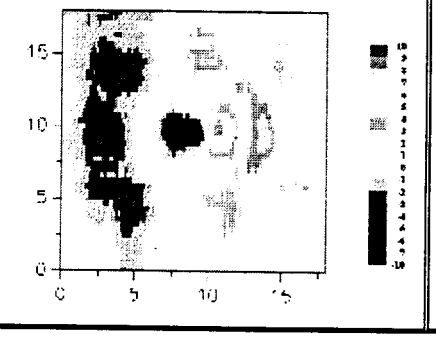
Defect Set 6 - Flow Loop Defects
Decoupled Data

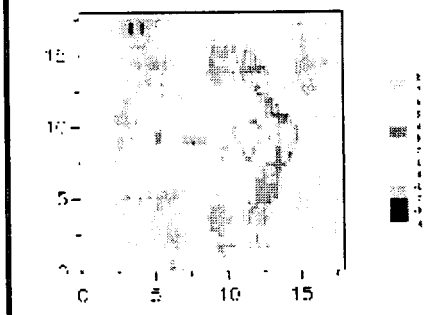
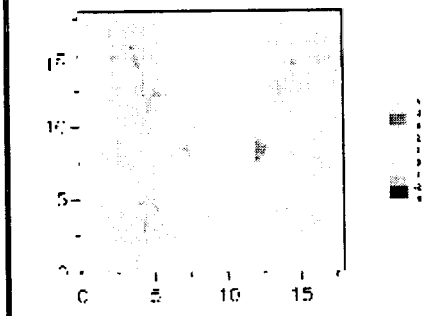
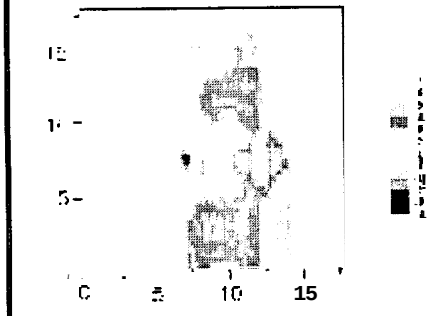
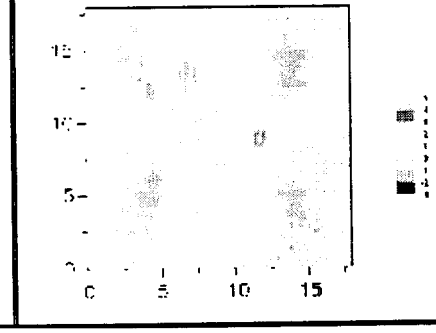
This defect set was used in the pull rig. Clicking on the defect number will link to a page with all MFL data, as well as photographs and load-deflection-time plots. For a layout map of the defects, click here. For a description of the variables included in this table, see the legend at the bottom of this page.

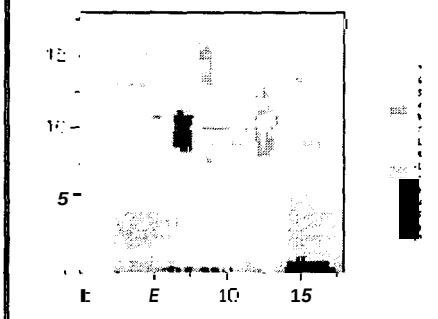
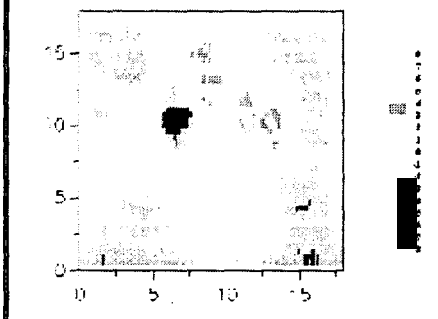
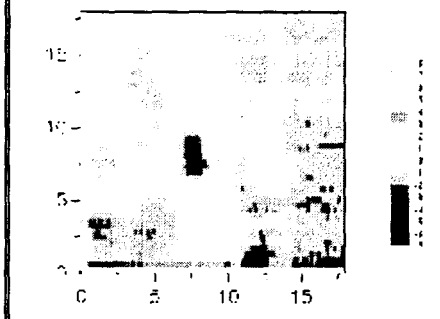
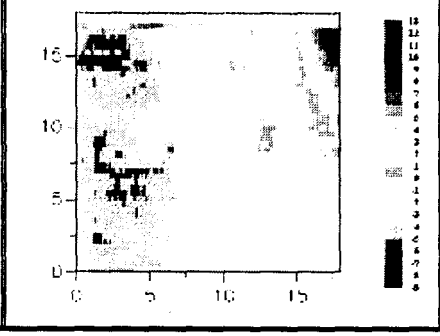
#	**Decoupled** MFL **Signal**	D	L	FB	RI	RO	IW	IL	P	S
133		2	6	2	2	2	1	1	0.6	F
134		2	6	2	2	2	1	1	0.6	S
135		2	6	3	2	1	1	1	0.6	S

136		2	6	3	1	2	1	1	0.6	S
137		2	6	2	2	2	5%	5%	0.6	S
138		3	6	3	3	0	5%	5%	0.6	S
139		3	6	3	0	3	5%	5%	0.6	S

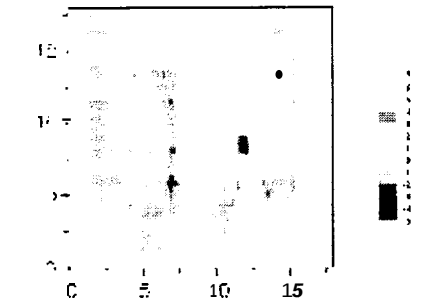
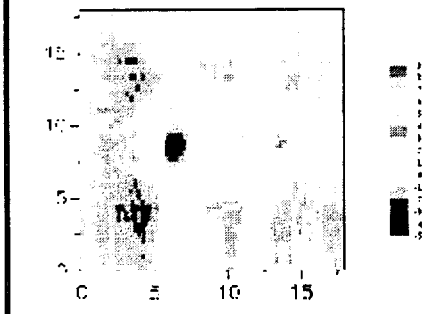
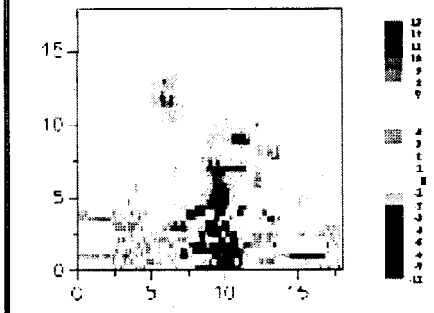
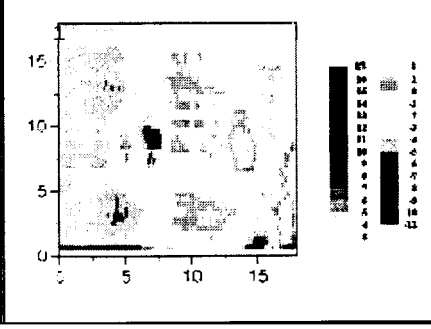
140		2	4	2	2	0	1	1	0.6	S
142		1	6	3	1	2	1	1	0.3	F
143		1	6	3	1	2	0.5	1	0.6	S
144		1	6	3	1	2	1	1	0.6	S

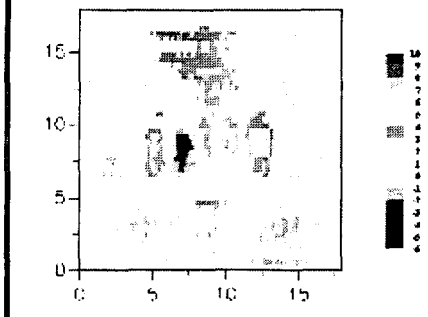
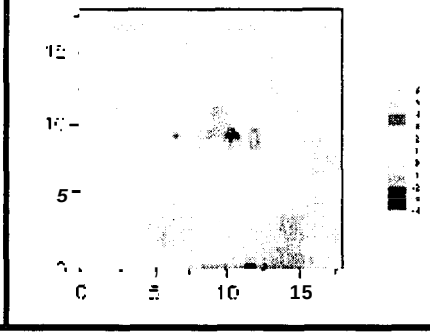
145		2	6	2	2	2	1	1	0.3	S
146		1	6	m	1	2	1	1	0.6	S
148		2	6	N	2	2	1	1	0.6	S
149		3	6	W	3	3	5%	5%	0.6	S

150		2	8	2	4	2	1	1	0.6	S
151		1	4	3	1	0	1	1	0.6	S
152		1	6	3	1	2	1	0.5	0.6	S
153		1	6	4	1	1	1	1	0.3	S

154		2	6	3	1	2	1	1	0.3	S
155		2	6	4	2	0	1	1	0.3	S
156		2	6	0	2	4	1	1	0.3	S
157		1	6	4.5	1	0.5	1	1	0.6	S

158		3	4	1	1.5	1.5	1	1	0.6	S
159		2	6	2	2	2	1	1	0.6	S
160		2	6	2	2	2	1	0.5	0.6	S
161		1	6	3	1	2	0.5	1	0.6	S

162		1	6	2	2	N	1	1	0.6	F
163		2	6	4	2	0	1	1	0.6	S
164		1	6	4	1	1	1	1	0.6	S
165		2	6	4	1	1	1	1	0.6	S

166		2	6	2	N	N	1	1	0.6	F
167		1	6	2	2	2	1	1	0.6	S

Legend:

- # = Defect # is an arbitrary number identifying each defect
- D = Depth is the dent depth in percent of the diameter.
- L = Overall Length is the total length of the gouge in inches.
- FB = Flat Bottom Length is the length of the flat bottom portion of the gouge in inches.
- RI = Ramp In and RO = Ramp Out are the distances on either side of the flat bottom used to ramp the indentor into and out of the pipe (the overall gouge length is the sum of the flat bottom length and the ramp in and ramp out lengths).
- IW = Indentor Width and IL = Indentor Length are the footprint dimensions of the indentor in inches; where x% is shown, the indentor was a 4-inch sphere with a sharp protruding cutter that extended x% of the wall thickness.
- P = Pressure is the internal pipe pressure in percent of specified minimum yiemfl strength.
- S = Speed refers to the rate of axial movement of the indentor (S is 1 inch per second; F is **5** inches per second).