Embrittlement Results for Prehydrided ZIRLO_051409							
Test Time s	**CP ECR %**	**Hydrogen Content wppm**	**Permanent Strain %**	**Offset Strain %**	Comment	**1σ Lower Bound Offset Strain,%**	**Ductility Assessment**
166	11.0	203±2	4 TW cracks	5.5	Exclude: T excursion to 140°C		
		202±5	4 TW cracks	3.6	Include		
		197±1	2 TW cracks	1.8	Include		
		192±11	3 TW cracks	4.4	Include: 6.4-mm end piece		
		183±7	4 TW cracks	5.6	Exclude: low hydrogen		
						3.3±1.3 = 2.0	**Transition CP-ECR is 11% for 200-wppm H**
145	10.0	204±3	3 TW cracks	6.2			
		201±9	3 TW cracks	7.6			
		197±1	2 TW cracks	3.5	Exclude: 6.5-mm end piece		
						6.9±1.0 = 5.9	**Ductile at 10% CP-ECR for 200-wppm H**
127	9.0	216±7	3 TW cracks	3.1	Exclude: 5.1-mm end piece		
110	8.0	217±21	3 TW cracks	31			
		217±12	21	22			
						26±8 = 18	**Very Ductile at 8% CP-ECR for 200-wppm H**
127	9.0	236±21	4 TW cracks	9.4			
							Ductile at 9% CP-ECR for 240-wppm H
110	8.0	242±50	3 TW cracks	20			
							Very Ductile at 8% CP-ECR for 240-wppm H
166	11.0	281±28	0.8	0.9			
		TBD	0.4	0.5			
							Very Brittle at 11% CP-ECR for 280-wppm H
127	9.0	286±23	2 TW cracks	1.6			
							Brittle at 9% CP-ECR for 290-wppm H