

Vth Idss ... 2N5457 data measured @ 7.50 volts

Vth	Idss ...			
-0.70				
-0.71				
-0.72				
-0.73				
-0.74				
-0.75				
-0.76				
-0.77				
-0.78				
-0.79	1.13			
-0.80				
-0.81	1.24			
-0.82				
-0.83	1.23			
-0.84				
-0.85				
-0.86				
-0.87	1.34	1.43		
-0.88				
-0.89				
-0.90	1.49			
-0.91				
-0.92	1.37			
-0.93				
-0.94	1.61			
-0.95	1.58			
-0.96				
-0.97				
-0.98	1.65			
-0.99				
-1.00	1.60			
-1.01	<u>1.58</u>	<u>1.62</u>	<u>1.75</u>	
-1.02	1.74			
-1.03				
-1.04	1.72			
-1.05				
-1.06	1.71	1.84		
-1.07	1.15			
-1.08	1.80			
-1.09	1.12	1.21	1.89	1.95
-1.10	1.98			

-1.11										
-1.12	2.06									
-1.13	1.90	<u>2.01</u>	<u>2.06</u>	<u>2.08</u>						
-1.14	2.09									
-1.15	1.20	2.08	2.10	2.24						
-1.16	2.21									
-1.17	2.06									
-1.18	2.27									
-1.19										
-1.20	2.22									
-1.21	1.34	2.31	2.43							
-1.22	1.43	2.45	2.46							
-1.23	2.28									
-1.24	2.24									
-1.25	2.26	2.37								
-1.26	1.42									
-1.27										
-1.28										
-1.29	2.41									
-1.30	1.64	2.58	2.60							
-1.31	1.60	2.52	<u>2.63</u>	<u>2.63</u>	<u>2.64</u>					
-1.32										
-1.33	1.64	<u>2.53</u>	<u>2.54</u>	<u>2.68</u>	2.73					
-1.34	2.73									
-1.35	1.67	2.68								
-1.36	1.63	2.75	2.99							
-1.37	<u>2.69</u>	<u>2.75</u>	<u>2.85</u>							
-1.38	2.78	2.78	2.94							
-1.39	1.15	2.88	2.90	<u>2.94</u>	<u>2.95</u>	<u>2.99</u>				
-1.40	2.98									
-1.41	2.62	<u>2.84</u>	<u>2.86</u>	<u>2.87</u>	<u>3.07</u>	<u>3.11</u>	<u>3.11</u>			
-1.42	2.93									
-1.43	1.83	<u>2.88</u>	<u>2.92</u>	<u>2.94</u>	<u>3.15</u>	<u>3.16</u>	<u>3.16</u>	<u>3.17</u>	<u>3.18</u>	<u>3.27</u>
-1.44	<u>2.92</u>	<u>2.93</u>	<u>2.96</u>	<u>3.05</u>	<u>3.10</u>	<u>3.18</u>				
-1.45	2.86	<u>3.01</u>	<u>3.02</u>	<u>3.03</u>	<u>3.07</u>	<u>3.07</u>	<u>3.19</u>	3.22		
-1.46	3.00	<u>3.02</u>	<u>3.04</u>	<u>3.06</u>	3.11	<u>3.12</u>	<u>3.13</u>	<u>3.13</u>		
-1.47	1.93	3.22	3.29							
-1.48	2.95	3.15	<u>3.16</u>	<u>3.17</u>	<u>3.17</u>	3.23	3.29			
-1.49	3.16	3.32								
-1.50	2.00	3.09	3.25							
-1.51	1.96	3.10								
-1.52	2.03	3.23	3.23	3.42						
-1.53	3.31	3.38								
-1.54	2.05	3.26	3.47	3.50						
-1.55										
-1.56	2.09	<u>3.26</u>	<u>3.27</u>	<u>3.28</u>	3.31	3.45	3.45	3.60		

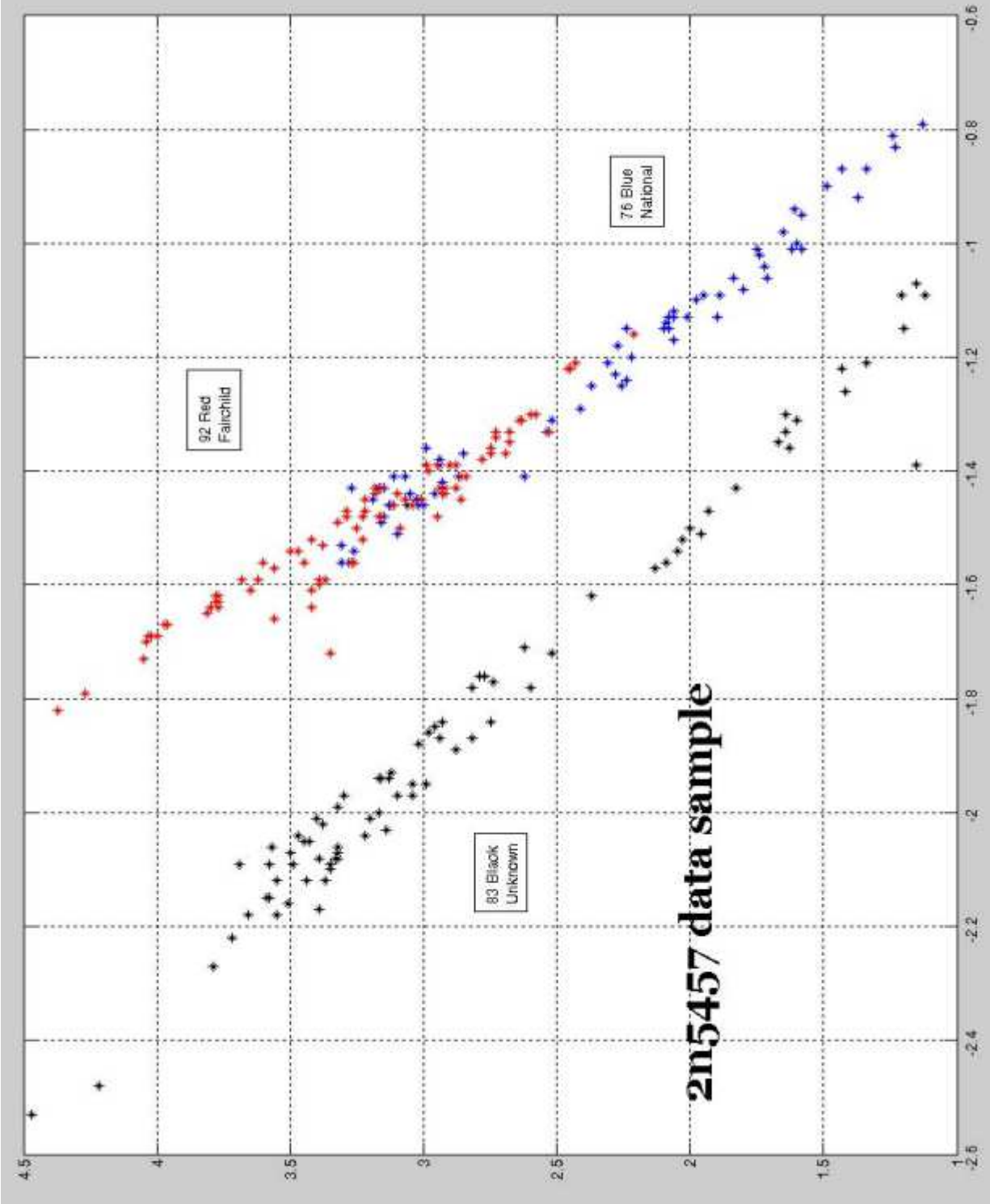
-1.57	2.13	3.56		
-1.58				
-1.59	3.37	3.39	3.62	3.68
-1.60	3.39			
-1.61	3.42	3.42	3.65	
-1.62	2.37	3.77	3.78	
-1.63	3.77	3.78		
-1.64	3.42	<u>3.77</u>	<u>3.80</u>	<u>3.80</u>
-1.65	3.81			
-1.66	3.56			
-1.67	3.96	3.97		
-1.68				
-1.69	<u>4.00</u>	<u>4.02</u>	<u>4.03</u>	
-1.70	4.04			
-1.71	2.62			
-1.72	2.52	3.35		
-1.73	4.05			
-1.74				
-1.75				
-1.76	2.77	2.79		
-1.77	2.74			
-1.78	2.60	2.82		
-1.79	4.27			
-1.80				
-1.81				
-1.82	4.37			
-1.83				
-1.84	2.75	2.93		
-1.85	2.96			
-1.86	2.98			
-1.87	2.82	2.94		
-1.88	3.02			
-1.89	2.88			
-1.90				
-1.91				
-1.92				
-1.93	3.12			
-1.94	<u>3.13</u>	<u>3.16</u>	<u>3.17</u>	
-1.95	2.99	3.04		
-1.96				
-1.97	3.04	3.10	3.30	
-1.98				
-1.99	3.32			
-2.00	3.17			
-2.01	3.20	3.40		
-2.02	3.38			

-2.03 3.14
-2.04 3.22 3.47
-2.05 3.43 3.43 3.45
-2.06 3.32 3.57
-2.07 3.32 3.50
-2.08 3.32 3.33 3.39
-2.09 3.35 3.49 3.58 3.69
-2.10 3.35
-2.11
-2.12 3.37 3.44 3.55
-2.13
-2.14
-2.15 3.58 3.59
-2.16 3.51
-2.17 3.39
-2.18 3.55 3.66
-2.19
-2.20
-2.21
-2.22 3.72
-2.23
-2.24
-2.25
-2.26
-2.27 3.79
-2.28
-2.29
-2.30
-2.31
-2.32

-2.38
-2.39
-2.40
-2.41
-2.42

-2.48 4.22
-2.49
-2.50
-2.51
-2.52
-2.53 4.47

=====



```
>> x1=[-1.07 -1.09 -1.09 -1.15 -1.21 -1.22 -1.26 -1.30 -1.31 -1.33 -1.35 -1.36 -1.39 -1.43 -1.46 -1.47 -  
1.5 -1.51 -1.52 -1.54 -1.56 -1.57 -1.62 -1.71 -1.72 -1.76 -1.76 -1.77 -1.78 -1.78 -1.84 -1.84 -1.85 -1.86  
-1.87 -1.87 -1.88 -1.89 -1.93 -1.94 -1.94 -1.94 -1.95 -1.95 -1.97 -1.97 -1.97 -1.99 -2 -2.01 -2.01 -2.02 -  
2.03 -2.04 -2.04 -2.05 -2.05 -2.05 -2.06 -2.06 -2.07 -2.07 -2.08 -2.08 -2.08 -2.09 -2.09 -2.09 -2.09 -2.1  
-2.12 -2.12 -2.12 -2.15 -2.15 -2.16 -2.17 -2.18 -2.18 -2.22 -2.27 -2.48 -2.53];
```

```
>> y1=[1.15 1.12 1.21 1.20 1.34 1.43 1.42 1.64 1.6 1.64 1.67 1.63 1.15 1.83 3.06 1.93 2 1.96 2.03 2.05  
2.09 2.13 2.37 2.62 2.52 2.77 2.79 2.74 2.6 2.82 2.75 2.93 2.96 2.98 2.82 2.94 3.02 2.88 3.12 3.13 3.16  
3.17 2.99 3.04 3.04 3.1 3.3 3.32 3.17 3.2 3.4 3.38 3.14 3.22 3.47 3.43 3.43 3.45 3.32 3.57 3.32 3.5 3.32  
3.33 3.39 3.35 3.49 3.58 3.69 3.35 3.37 3.44 3.55 3.58 3.59 3.51 3.39 3.55 3.66 3.72 3.79 4.22 4.47];
```

```
>> x2=[-1.16 -1.21 -1.22 -1.22 -1.3 -1.3 -1.31 -1.31 -1.31 -1.33 -1.33 -1.33 -1.34 -1.35 -1.36 -1.37 -  
1.37 -1.38 -1.39 -1.39 -1.39 -1.39 -1.4 -1.41 -1.41 -1.43 -1.43 -1.43 -1.43 -1.43 -1.44 -1.44 -1.44  
-1.44 -1.45 -1.45 -1.45 -1.45 -1.45 -1.46 -1.46 -1.47 -1.47 -1.48 -1.48 -1.48 -1.48 -1.48 -1.49 -1.5 -1.5 -  
1.52 -1.52 -1.52 -1.53 -1.54 -1.54 -1.56 -1.56 -1.56 -1.56 -1.57 -1.59 -1.59 -1.59 -1.59 -1.6 -1.61 -1.61  
-1.62 -1.62 -1.63 -1.63 -1.64 -1.64 -1.64 -1.64 -1.65 -1.66 -1.67 -1.67 -1.69 -1.69 -1.69 -1.7 -1.72 -1.73  
-1.79 -1.82];
```

```
>> y2=[2.21 2.43 2.45 2.46 2.58 2.6 2.63 2.63 2.64 2.53 2.68 2.73 2.73 2.68 2.75 2.69 2.75 2.78 2.88  
2.9 2.95 2.99 2.98 2.84 2.86 2.88 2.92 2.94 3.16 3.16 3.18 2.92 2.93 3.1 3.18 2.86 3.01 3.07 3.07 3.22  
3.04 3.11 3.22 3.29 2.95 3.16 3.17 3.23 3.29 3.32 3.09 3.25 3.23 3.23 3.42 3.38 3.47 3.5 3.26 3.27 3.45  
3.6 3.56 3.37 3.39 3.62 3.68 3.39 3.42 3.65 3.77 3.78 3.77 3.78 3.42 3.77 3.8 3.8 3.81 3.56 3.96 3.97 4  
4.02 4.03 4.04 3.35 4.05 4.27 4.37];
```

```
>> x3=[-0.79 -0.81 -0.83 -0.87 -0.87 -0.9 -0.92 -0.94 -0.95 -0.98 -1 -1.01 -1.01 -1.01 -1.02 -1.04 -1.06  
-1.06 -1.08 -1.09 -1.09 -1.1 -1.12 -1.13 -1.13 -1.13 -1.13 -1.14 -1.15 -1.15 -1.15 -1.17 -1.18 -1.2 -1.21 -  
1.23 -1.24 -1.25 -1.25 -1.29 -1.31 -1.33 -1.36 -1.37 -1.38 -1.38 -1.39 -1.41 -1.41 -1.41 -1.41 -1.41 -1.42  
-1.43 -1.43 -1.43 -1.44 -1.44 -1.45 -1.45 -1.45 -1.46 -1.46 -1.46 -1.46 -1.46 -1.48 -1.48 -1.49 -1.51 -  
1.53 -1.54 -1.56 -1.56 -1.56 -1.61];
```

```
>> y3=[1.13 1.24 1.23 1.34 1.43 1.49 1.37 1.61 1.58 1.65 1.6 1.58 1.62 1.75 1.74 1.72 1.71 1.84 1.8  
1.89 1.95 1.98 2.06 1.9 2.01 2.06 2.08 2.09 2.08 2.1 2.24 2.06 2.27 2.22 2.31 2.28 2.24 2.26 2.37 2.41  
2.52 2.54 2.99 2.85 2.78 2.94 2.94 2.62 2.87 3.07 3.11 3.11 2.93 3.15 3.17 3.27 2.96 3.05 3.02 3.03  
3.19 3 3.02 3.12 3.13 3.13 3.15 3.17 3.16 3.1 3.31 3.26 3.28 3.31 3.45 3.42];
```