

### WIREBONDS STATUS

dE				E-front				E-back				Last checked	
strip n.:	1st	2nd	3rd	strip n.:	1st	2nd	3rd	strip n.:	1st	2nd	3rd	date	detector
1	~			1				1				9/16/07	dE, E <sub>f</sub> , E <sub>b</sub>
2				2				2					
3				3				3					
4				4				4					
5				5				5					
6				6				6					
7				7				7		/			
8		~		8				8					
9				9				9					
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26				26				26					
27	~	~	~	27				27					
28				28				28					
29				29				29					
30				30				30					
31				31				31					
32				32				32					

**Legend:**

X = bond missing      / = bond broken      - = bond damaged

Tr 1  
 AE = 2160-3  
 E = 2344-11

### Front Side Data

Wafer No: 2344-11

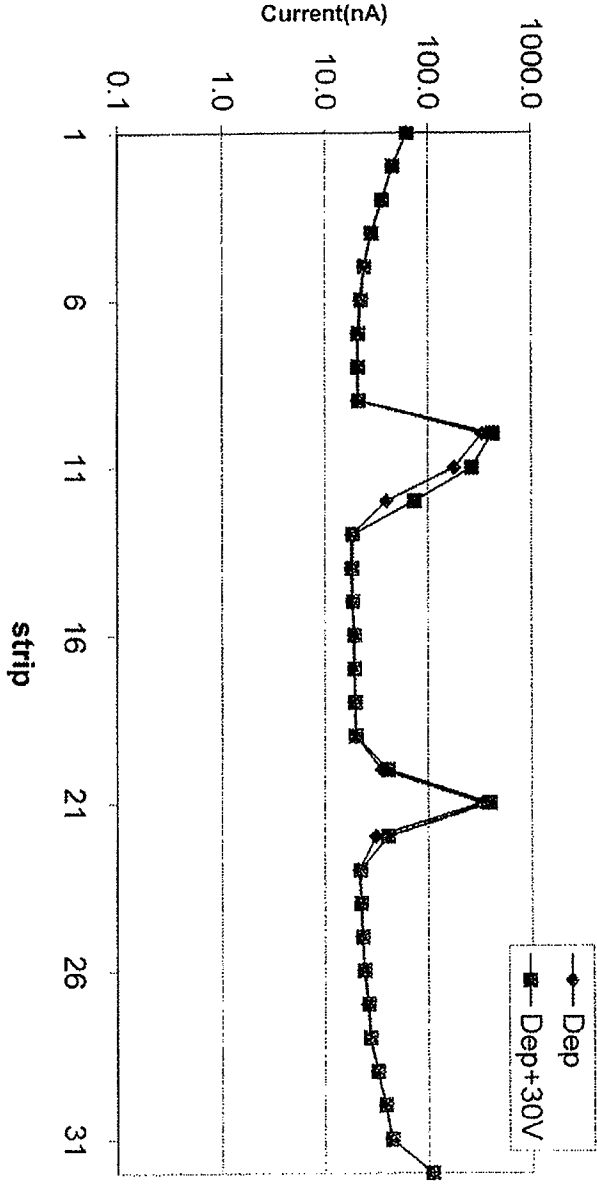
Thickness: 1503  $\mu$ m

Depletion: 350 Volts

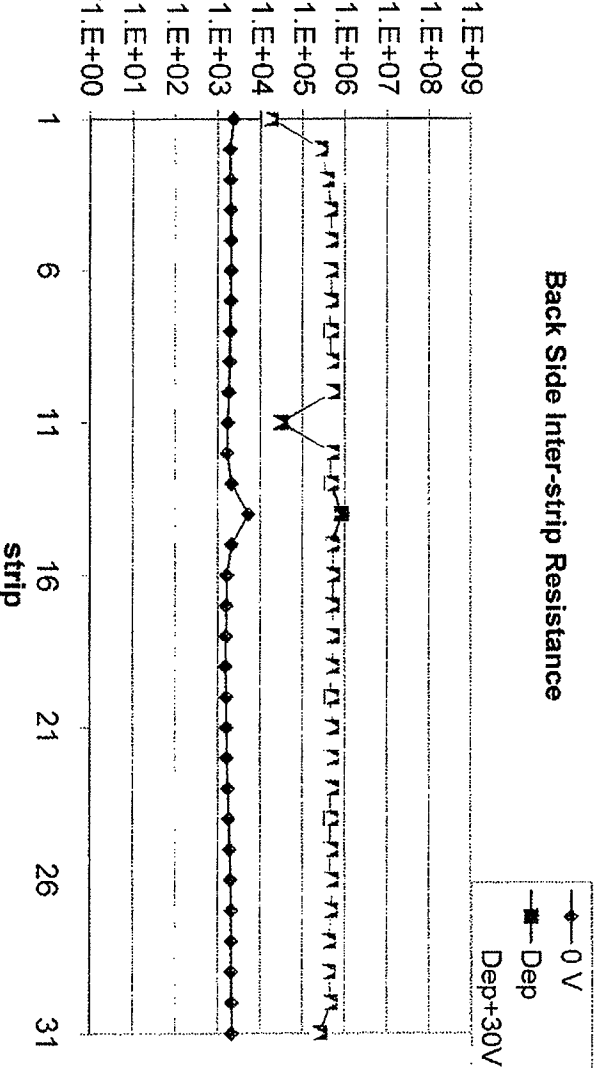
### Back Side Data

W. Dep.	Current(nA)	Dep: 30V
1	62.22	62.32
2	44.73	45.15
3	35.55	35.81
4	27.85	28.15
5	23.63	23.97
6	21.94	22.29
7	20.66	20.97
8	20.56	20.90
9	20.78	21.11
10	238.60	421.70
11	178.21	285.10
12	39.47	73.64
13	18.13	18.42
14	17.88	18.21
15	18.27	18.57
16	18.89	19.19
17	18.91	19.22
18	19.23	19.54
19	19.58	19.90
20	35.40	40.14
21	333.60	394.30
22	30.83	40.49
23	21.34	21.67
24	21.85	22.17
25	22.55	22.89
26	23.58	23.96
27	25.54	25.13
28	26.89	27.20
29	31.66	31.93
30	37.93	38.20
31	43.56	43.93
32	107.32	108.51
Total	1727.12	2015.68

### Front Side Strip Leakage Current



### Interstrip Resistance (Ohms)



### Back Side Inter-strip Resistance

W. Dep.	0V	Dep	Dep+30V
1	2.3E+03	1.7E+04	1.5E+04
2	1.9E+03	2.6E+05	2.5E+05
3	1.9E+03	3.8E+05	3.8E+05
4	2.0E+03	4.5E+05	4.4E+05
5	2.0E+03	4.7E+05	4.7E+05
6	2.0E+03	4.7E+05	4.7E+05
7	2.0E+03	4.7E+05	4.5E+05
8	1.9E+03	4.7E+05	4.9E+05
9	1.9E+03	5.0E+05	5.0E+05
10	1.8E+03	5.2E+05	5.1E+05
11	1.7E+03	3.0E+04	2.3E+04
12	1.6E+03	5.0E+05	5.0E+05
13	2.1E+03	4.9E+05	5.1E+05
14	5.1E+03	8.5E+05	5.2E+05
15	2.1E+03	5.0E+05	5.1E+05
16	1.8E+03	5.3E+05	5.1E+05
17	1.6E+03	5.1E+05	4.9E+05
18	1.5E+03	5.1E+05	5.1E+05
19	1.5E+03	5.0E+05	4.9E+05
20	1.6E+03	5.0E+05	5.2E+05
21	1.8E+03	5.0E+05	4.8E+05
22	1.8E+03	4.9E+05	5.0E+05
23	1.7E+03	5.0E+05	4.9E+05
24	1.8E+03	4.8E+05	5.1E+05
25	1.9E+03	4.8E+05	4.9E+05
26	2.0E+03	4.9E+05	4.9E+05
27	2.0E+03	4.7E+05	4.9E+05
28	2.0E+03	4.7E+05	4.8E+05
29	2.0E+03	4.1E+05	4.1E+05
30	2.1E+03	4.7E+05	4.5E+05
31	2.1E+03	2.7E+05	2.3E+05

# Si-detector Inspection Record

**Date:** 9/16/07      **Time:** \_\_\_\_\_  
**Tel n.:** 1      **Inspected detector(s):** dE, E(f+b)  
**1st inspector:** Ulad HENZI  
**2nd inspector:** DEWY LEE

WIREBONDS STATUS												
dE				E-front				E-back				
strip n.:	1st	2nd	3rd	strip n.:	1st	2nd	3rd	strip n.:	1st	2nd	3rd	
1	~			1				1				
2				2				2				
3				3				3				
4				4				4				
5				5				5				
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9				9				9				
10				10				10				
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30				30				30				
31				31				31				
32				32				32				

**Legend:**

X = bond missing      / = bond broken      ~ = bond damaged

**Overall detector status:**  
 (e.g. dusty surface, scratches, dirty frame and/or cable, status of telescope can ...)  
inspection after turbo breakdown + vacuum incursion  
dE looks OK  
E detector dusty, but seems also OK  
only 1 clearly broken wirebond on Eback

Noise tests of detector n.: 2347-11 in telescope n.: 1

Date		2-29-07	10-10-07	10-31-07										
electronics		CLASSIC	CHIP	CHIP										
E back	Chip 0 or shaper 0	chn 0	4.0mV	80/180	~130mV									
		1	3.7	37mV	32									
		2	3.5	32	32									
		3	3.5	39	32									
		4	3.5	39	32									
		5	3.5	41	32									
		6	3.5	32	32									
		7	3.5	32	32									
		8	3.5	32	32									
		9	3.5	32	32									
		10	4.5	32	32									
		11	3.5	32	32									
		12	3.5	35	32									
		13	3.5	35	32									
		14	4.0	37	32									
	15	~2.0	37	32										
	Chip 1 or shaper 1	chn 0	~6.5	60	~62mV									
		1	3.2	75	~80mV									
		2	3.6	32	36									
		3	3.6	32	36									
		4	3.6	37	36									
		5	3.6	37	36									
		6	3.6	33	36									
		7	3.6	33	36									
		8	3.6	33	36									
		9	3.6	33	36									
		10	3.6	33	36									
		11	3.6	34	36									
		12	3.6	36	36									
		13	3.6	36	36									
14		~7.5	39	36										
15	~2.5	70/140	~140mV											
E front	Chip 0 or shaper 2	chn 0	~5.0	~80mV	~150mV									
		1	3.7	~30	38									
		2	3.7	30	32									
		3	3.7	30	32									
		4	4.0	30	32									
		5	~55mV	30	32									
		6	3.7	30	32									
		7	3.7	30	32									
		8	3.7	600mV	800mV									
		9	3.7	30	32									
		10	~75mV	30	32									
		11	3.7	35	~40mV									
		12	3.7	30	32									
		13	3.7	30	32									
		14	4.0	30	32									
	15	~25mV	30	32										
	Chip 1 or shaper 3	chn 0	~12mV	30	32									
		1	3.7	30	32									
		2	3.7	30	32									
		3	3.7	30	32									
		4	3.7	30	32									
		5	~75mV	30	~120mV									
		6	3.7	30	32									
		7	3.7	30	32									
		8	3.7	30	32									
		9	3.7	30	32									
		10	~55mV	30	32									
		11	3.7	40	32									
		12	3.7	~90mV	32									
		13	3.7	62	32									
14		3.7	30	32										
15	3.7	~270mV	~150mV											

identical setup before and after 1st part of 05133

# Si-detector Inspection Record

**Date:** 10/5/2007      **Time:** 10:30 pm      **Tel n.:** 01

**Inspected detector(s):** dE(2160-3) + E<sub>F</sub>(2344-11)

**What occasion :** dE lost back in case

**1st inspector:** Vlad HENZL

**2nd inspector:** Daniela HENZLOVA

## WIREBONDS STATUS

dE				E-front				E-back			
strip n.:	1st	2nd	3rd	strip n.:	1st	2nd	3rd	strip n.:	1st	2nd	3rd
1	~			1				1			
2				2				2			
3				3				3			
4				4				4			
5				5				5			
6				6				6			
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14				14				14			
15				15				15			
16				16				16			
17				17				17			
18			X	18		/		18			
19				19				19			
20				20				20			
21				21				21			
22				22				22			
23				23				23			
24				24				24			
25				25				25			
26				26				26			
27	~	~	~	27				27			
28				28				28			
29				29				29			
30				30				30			
31				31				31			
32				32				32			

**Legend:**

X = bond missing

/ = bond broken

~ = bond damaged

**Overall detector status:**

(e.g. dusty surface, scratches, dirty frame and/or cable, status of telescope can ...)

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