

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					
2				2				2					
3				3				3					
4				4				4					
5				5				5					
6				6				6					
7				7				7					
8				8				8					
9				9				9					
10				10				10					
11				11				11					
12				12				12					
13				13				13					
14				14				14					
15				15				15					
16				16				16					
17				17				17					
18				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

TJR 17

AE = 2297-7
E = 2085-11

Date: 12-2-07 Time: 6:30AD Tel n.: 17

Inspected detector(s): dE-EF

Detector number(s): 2297-7 (dE)+

What occasion: dE removal

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	X			3				
4		X	~	4				4				
5	~			5				5				
6				6		~		6				
7				7		X		7				
8			~	8			~	8				
9	~			9				9				
10		~		10	~			10				
11				11			~	11				
12	~			12				12				
13				13			~	13				
14				14		~		14				
15				15				15				
16	~			16	~	~	~	16				
17				17	X			17				
18				18				18				
19				19		X		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~~ bonds crossed

X = bond missing

/ = bond broken

~ = bond damaged

Overall detector status:

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

E_p - between strips 6-13 surface foggy

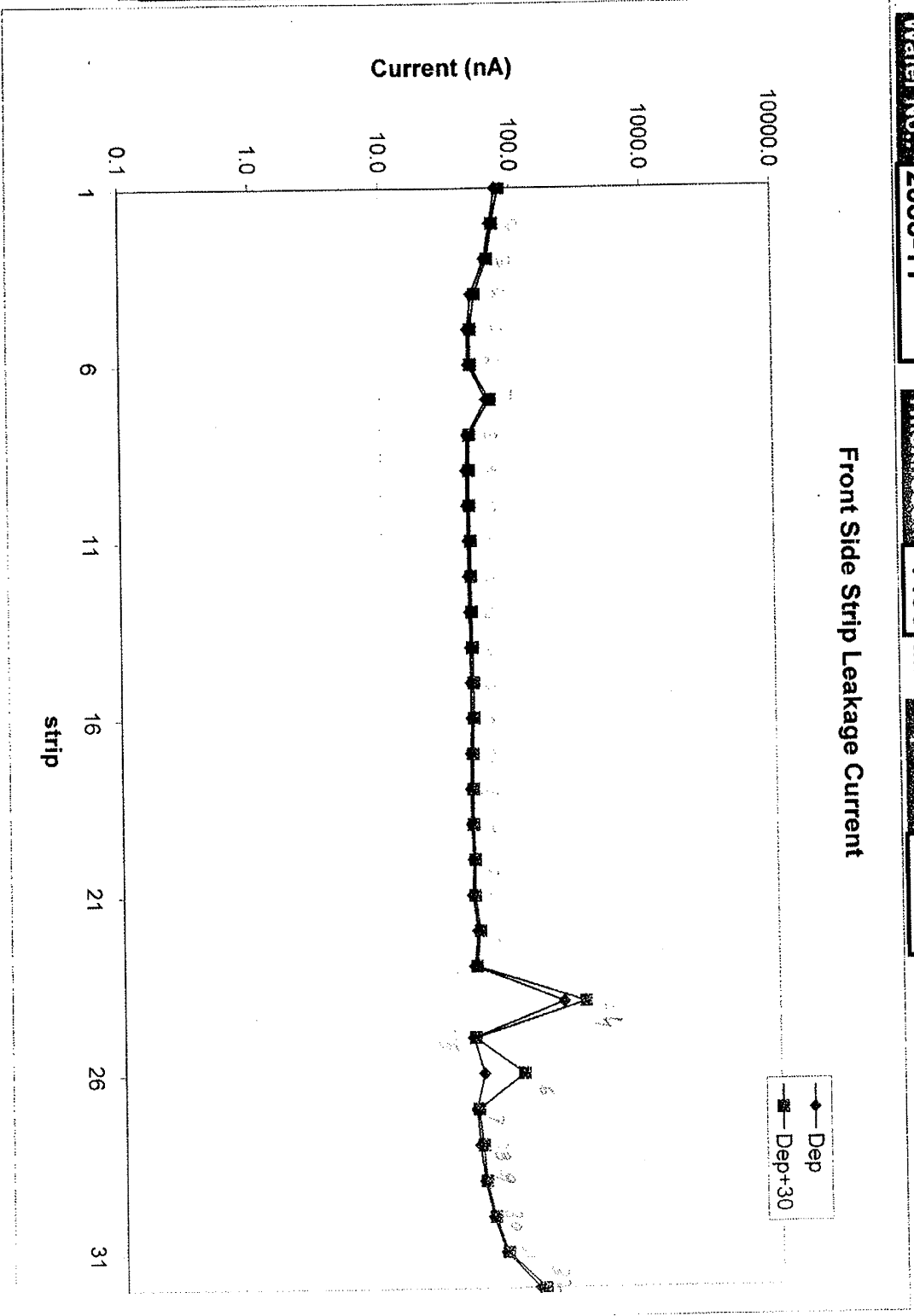
Front Side Data

Wafer No.: 2085-11

Thickness: 1496 μm Vop

300 Volts

Strip	Current (nA)	Dep+30
1	77.59	82.38
2	70.34	72.85
3	63.53	66.44
4	50.07	53.13
5	46.94	48.97
6	47.07	48.89
7	64.37	68.33
8	45.75	47.37
9	44.87	46.72
10	44.93	46.76
11	45.62	47.31
12	45.46	47.25
13	45.81	47.59
14	46.16	47.88
15	46.49	48.61
16	46.63	48.62
17	45.72	47.32
18	45.7	47.3
19	45.71	47.29
20	46.88	48.31
21	45.77	47.68
22	49.7	51.82
23	46.63	48.5
24	223.8	327.8
25	44.98	46.48
26	54.35	108.45
27	46.93	48.69
28	49.61	52.6
29	53.64	54.97
30	62.49	64.19
31	77.03	79.23
32	138.06	152.68
Total	1908.6	2142.21



INDIANA UNIVERSITY

BACK RESISTANCE MEASUREMENT:

DATE: 18/02/2004
 DEVICE TYPE: HIRA BR7-D/S-1500
 DEVICE NUMBER: 2085-11
 THICKNESS: 1496 μ M
 OPERATING VOLTAGE: 300V

CHANNEL	OV	V.OP	V.OP + 30V
1-2	2.1K Ω	111K Ω	<2M Ω
2-3	2.2K Ω	216K Ω	<2M Ω
3-4	2.3K Ω	523K Ω	<2M Ω
4-5	2.3K Ω	668K Ω	<2M Ω
5-6	2.3K Ω	844K Ω	<2M Ω
6-7	2.3K Ω	>1M Ω	<2M Ω
7-8	2.3K Ω	>1M Ω	<2M Ω
8-9	2.3K Ω	792K Ω	<2M Ω
9-10	2.3K Ω	630K Ω	<2M Ω
10-11	2.3K Ω	682K Ω	<2M Ω
11-12	2.3K Ω	866K Ω	<2M Ω
12-13	2.2K Ω	>1M Ω	<2M Ω
13-14	2.2K Ω	>1M Ω	<2M Ω
14-15	2.3K Ω	>1M Ω	<2M Ω
15-16	2.3K Ω	>1M Ω	<2M Ω
16-17	2.3K Ω	>1M Ω	<2M Ω
17-18	2.3K Ω	>1M Ω	<2M Ω
18-19	2.3K Ω	>1M Ω	<2M Ω
19-20	2.3K Ω	752K Ω	<2M Ω
20-21	2.3K Ω	675K Ω	<2M Ω
21-22	2.3K Ω	661K Ω	<2M Ω
22-23	2.3K Ω	668K Ω	<2M Ω
23-24	2.3K Ω	438K Ω	<2M Ω
24-25	2.3K Ω	351K Ω	<2M Ω
25-26	2.3K Ω	524K Ω	<2M Ω
26-27	2.3K Ω	>1M Ω	<2M Ω
27-28	2.3K Ω	>1M Ω	<2M Ω
28-29	2.3K Ω	>1M Ω	<2M Ω
29-30	2.3K Ω	842K Ω	<2M Ω
30-31	2.2K Ω	479K Ω	<2M Ω
31-32	2.2K Ω	347K Ω	<2M Ω

Resolution Test

HIRA BB7-1500

Wafer No.: 2085-11

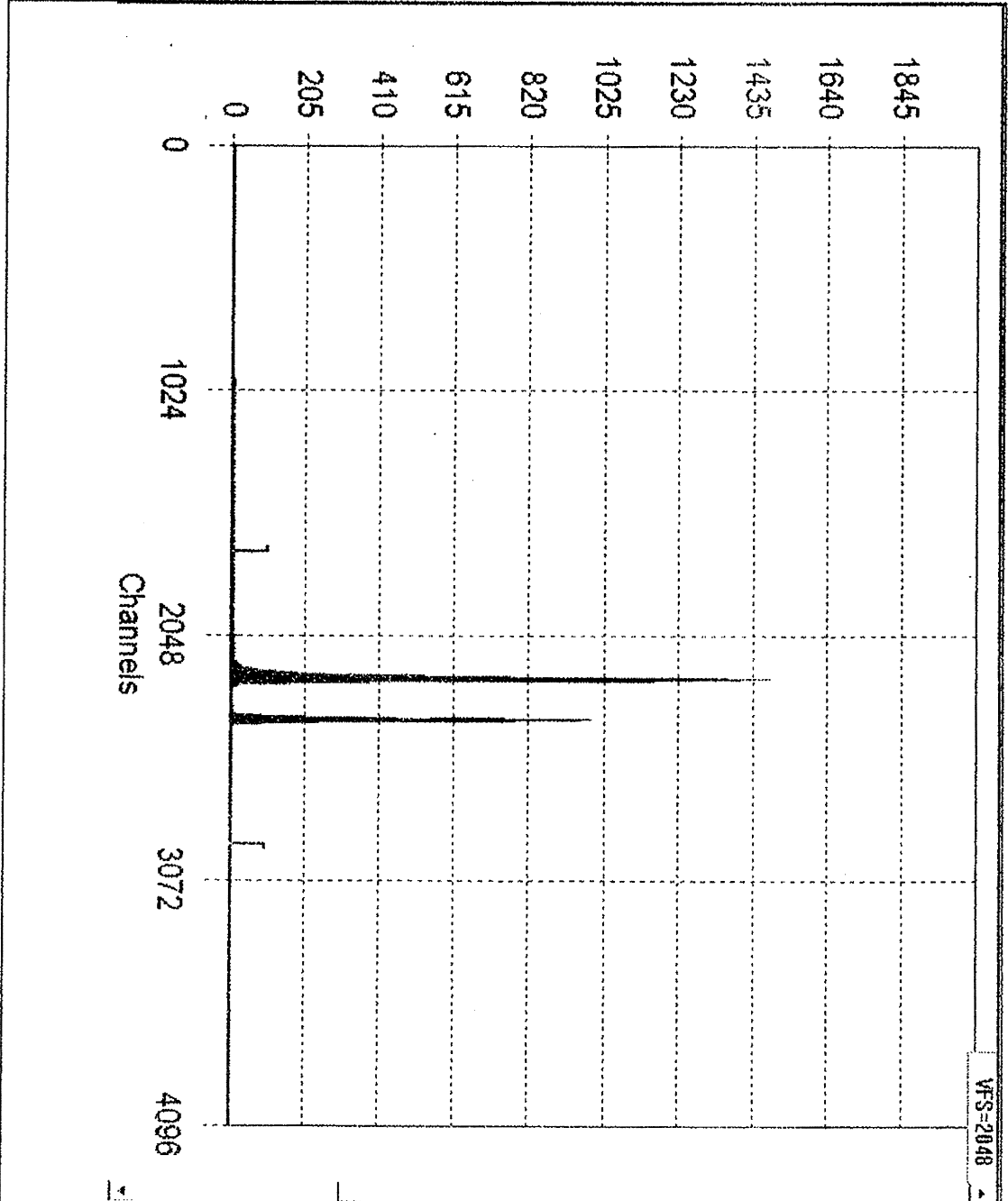
Thickness: 1496 μm

JUNCTION

DET LINE: 56.3 Kev
SYSTEM: 43.5 Kev
CAL: 35.7 Kev

SEMIC

DET LINE: 57 Kev
SYSTEM: 43 Kev
CALC: 37.4 Kev



BIAS VOLTS=

320 V

Leakage

1900 nA

Source
Am 241

Rise Time
1

Flat Top
0

Noise tests of detector n.: 2085-11 in telescope n.: 17

Date		9-18-07	10-17-07	10-31-07								
electronics		WXSIC	ChIP	ChIP								
E back	Chip 0 or shaper 0	chn 0	2mV	~135mV	~115mV							
		1	6	32	41							
		2	5	37	37							
		3	5	39	39							
		4	6	50	~50mV							
		5	6	40	40							
		6	5	41	38							
		7	5	39	38							
		8	5	38	38							
		9	5	39	38							
		10	5	39	38							
		11	7mV	42	41mV							
		12	5	38	39							
		13	5	38	39							
		14	5	40	39							
	15	13mV	~65mV	~68mV								
	Chip 1 or shaper 1	chn 0	15mV	~32mV	~48mV							
		1	6	39	39							
		2	5	45	44							
		3	5	57	54							
		4	5	46	46							
		5	5	45	46							
		6	5	39	40							
		7	5	39	39							
		8	5	38	38							
		9	5	38	39							
		10	6	38	39							
		11	6	40	39							
		12	7mV	38	39							
		13	8.5mV	42	39							
14		5	46	~47								
15	6	~145mV	~125mV									
E front	Chip 0 or shaper 2	chn 0	8mV	~125mV	~37mV							
		1	7	125	37							
		2	7	125	37							
		3	6	125	37							
		4	6	125	37							
		5	6	125	37							
		6	6	125	37							
		7	6	125	37							
		8	7	125	37							
		9	6	125	37							
		10	6/12mV	125	37							
		11	6	125	37							
		12	6	125	37							
		13	6	125	37							
		14	6	125	37							
	15	10mV	125	37								
	Chip 1 or shaper 3	chn 0	6	~68mV	37							
		1	6	~200mV	125/150mV							
		2	6	~65	37							
		3	7	65	37							
		4	6	65	37							
		5	6	66	37							
		6	6	~100mV	~65mV							
		7	6	74	~40mV							
		8	10mV	70	37							
		9	25mV	66	37							
		10	6	65	37							
		11	6	65	37							
		12	6	70	~40mV							
		13	6	68	37							
14		45mV	66	37								
15	6	43	37									

before and after OS133
but CB for E_f different

Si-detector Inspection Record

Date: 10/6/2007 Time: 7pm Tel n.: 17

Inspected detector(s): dE

What occasion : install dE (2297-7) & EF

1st inspector: Daniela Hanzlová

2nd inspector: Micha Kilburn

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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		X	~	4				4			
5				5				5			
6				6		~		6			
7				7		~		7			
8				8			~	8			
9	~			9				9			
10		~		10				10			
11				11				11			
12	~			12				12			
13				13			~	13			
14				14		~		14			
15				15				15			
16				16				16			
17				17				17			
18				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 ...)

EF strips 6-12 are lighter in color than rest

Si-detector Inspection Record

Date: 10/03/07

Time: 8:15 pm

Tel n.: 17

Inspected detector(s): dE + EF + EB

1st inspector: Vladimir Nenadi

2nd inspector: Jenny 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	~	X		5				5			
6				6		~		6			
7				7			~	7			
8				8			~	8			
9	~			9				9			
10				10				10			
11				11				11			
12				12				12			
13				13			~	13			
14				14		~		14			
15				15				15			
16				16				16			
17				17	~			17			
18				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			

All okay,
 some ~~scratch~~ ^{scratch}
~~on the~~
 between 16 and
 26

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 ...)

EF from 1 to 30, surface is not that clear