

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				10/1/	
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					
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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

Table 9

DE = 2297-4
 E = 2344-5 (M)

Front Side Data

Wafer No. **2344-5**

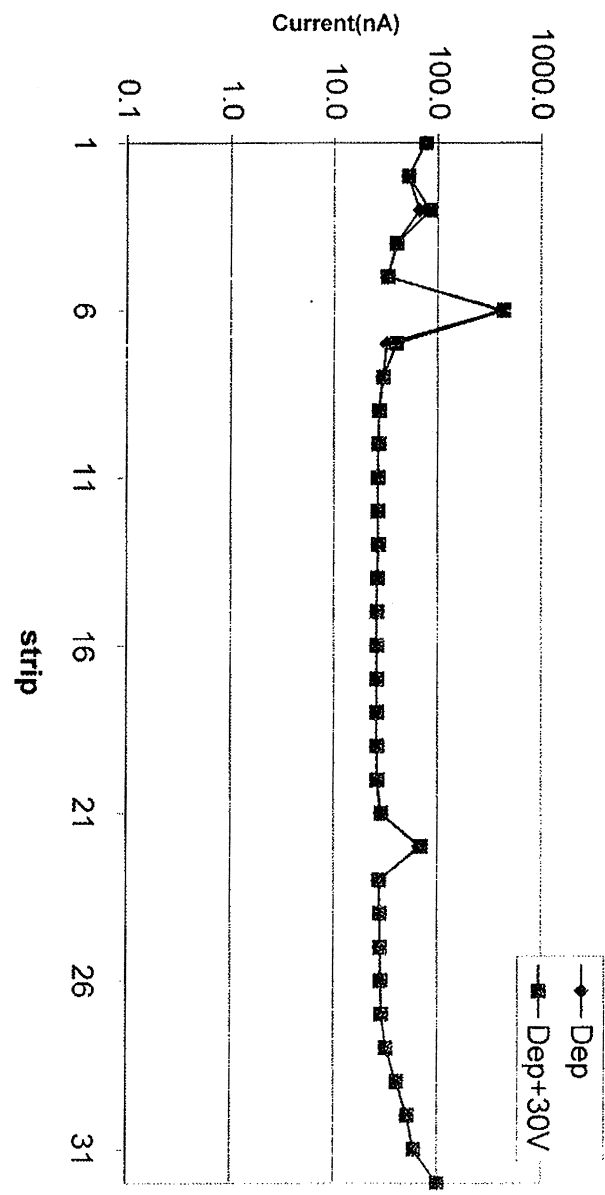
Thickness: **1491** um

Depletion: **350** Volts

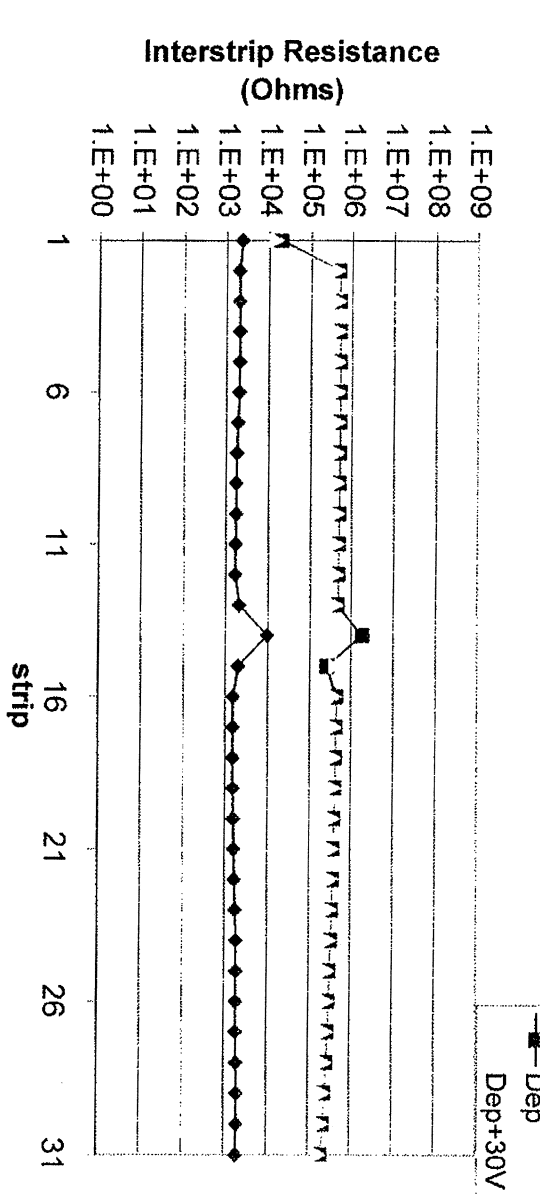
Back Side Data

Strip	Current(nA)	Dep-30V
1	74.08	75.57
2	51.08	51.44
3	65.82	84.49
4	39.16	39.34
5	32.21	32.49
6	412.30	436.30
7	31.71	39.56
8	29.07	29.44
9	26.73	26.91
10	26.39	26.54
11	26.11	26.24
12	26.19	26.35
13	26.23	26.40
14	25.87	25.91
15	25.65	25.81
16	25.54	25.66
17	25.58	25.71
18	25.61	25.71
19	25.72	25.84
20	25.95	26.06
21	27.92	28.46
22	65.87	69.24
23	27.04	27.15
24	27.65	27.76
25	27.73	27.83
26	28.10	28.22
27	28.65	28.78
28	31.74	31.84
29	40.21	40.28
30	50.83	50.95
31	58.91	59.10
32	99.51	99.80
Total	1561.16	1624.38

Front Side Strip Leakage Current



Back Side Inter-strip Resistance



Detector Profile

BB7-1500

Wafer No.: **2344-5**

Thickness: **320** μm

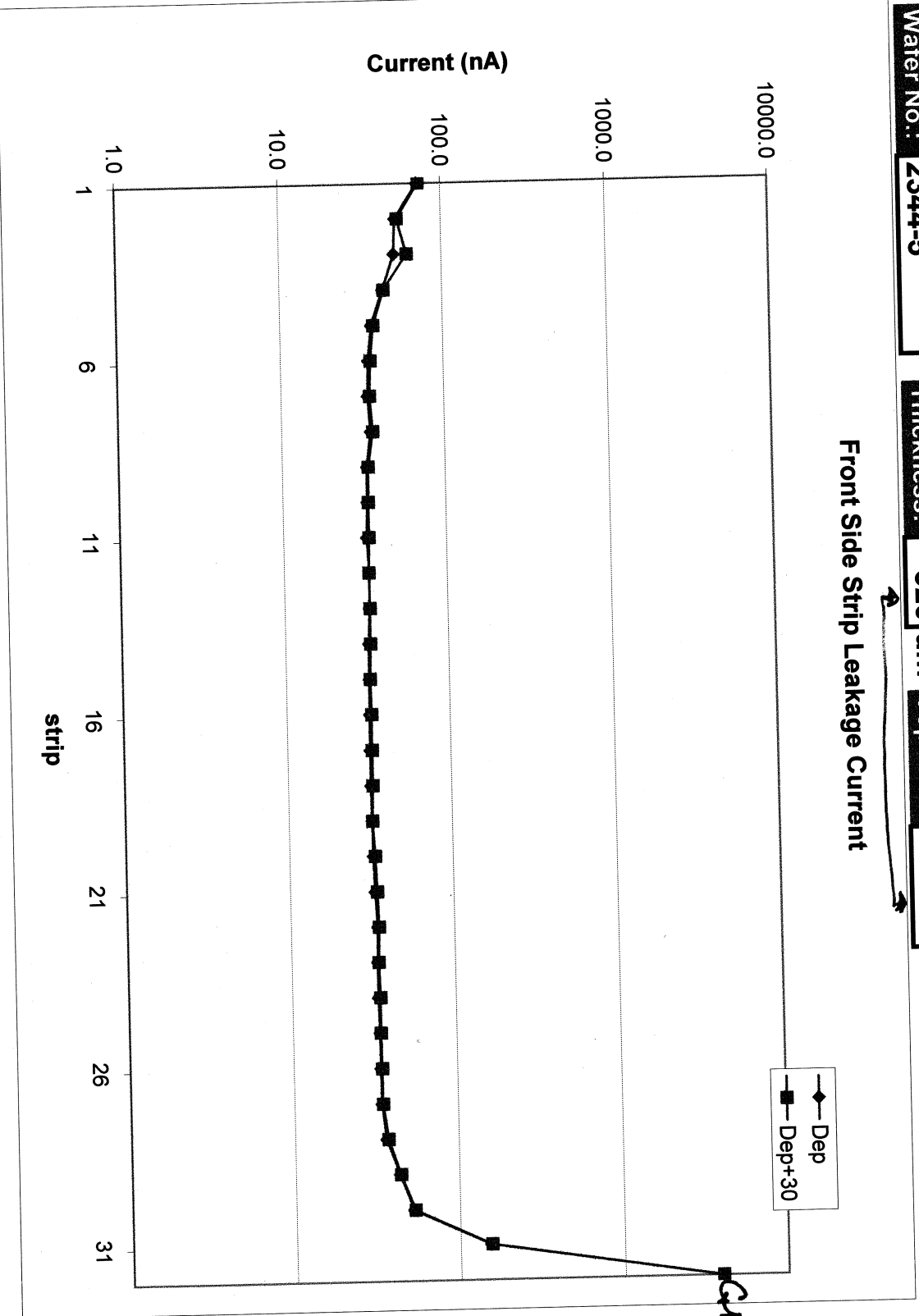
Vop.

1500 Volts



Front Side Data

Strip	Current (nA)	Dep	Dep+30
1	71.4	72.8	53.6
2	52	53.6	61.1
3	50.8	61.1	43.6
4	43.1	43.6	37.5
5	36.5	35.7	35
6	34.7	35	36.4
7	34.2	33.8	33.5
8	35.3	33.8	33.5
9	33.2	33.5	33.5
10	33	33.5	33.5
11	32.5	33.2	33.4
12	33.4	33.3	33.3
13	33.1	32.8	33.1
14	32.6	33.1	33.1
15	32.4	33.1	33.1
16	32.3	33	33
17	32.2	33	33
18	32.2	32.6	32.6
19	32.4	33.5	33.5
20	32.7	34.6	34.6
21	33.1	34.1	34.1
22	34	34.1	34.1
23	33.7	34.6	34.6
24	33.7	34.6	34.6
25	34.1	34.5	34.5
26	34.2	34.8	34.8
27	34.4	34.9	34.9
28	36.3	37.3	37.3
29	43.5	44.1	44.1
30	52.6	53.6	53.6
31	152.4	154.6	154.6
32	4000	4000	4000
Total	527.2	5305.7	



Resolution Test

HIRA BB7

Wafer No.: **2344-5**

Thickness: **1500** μm

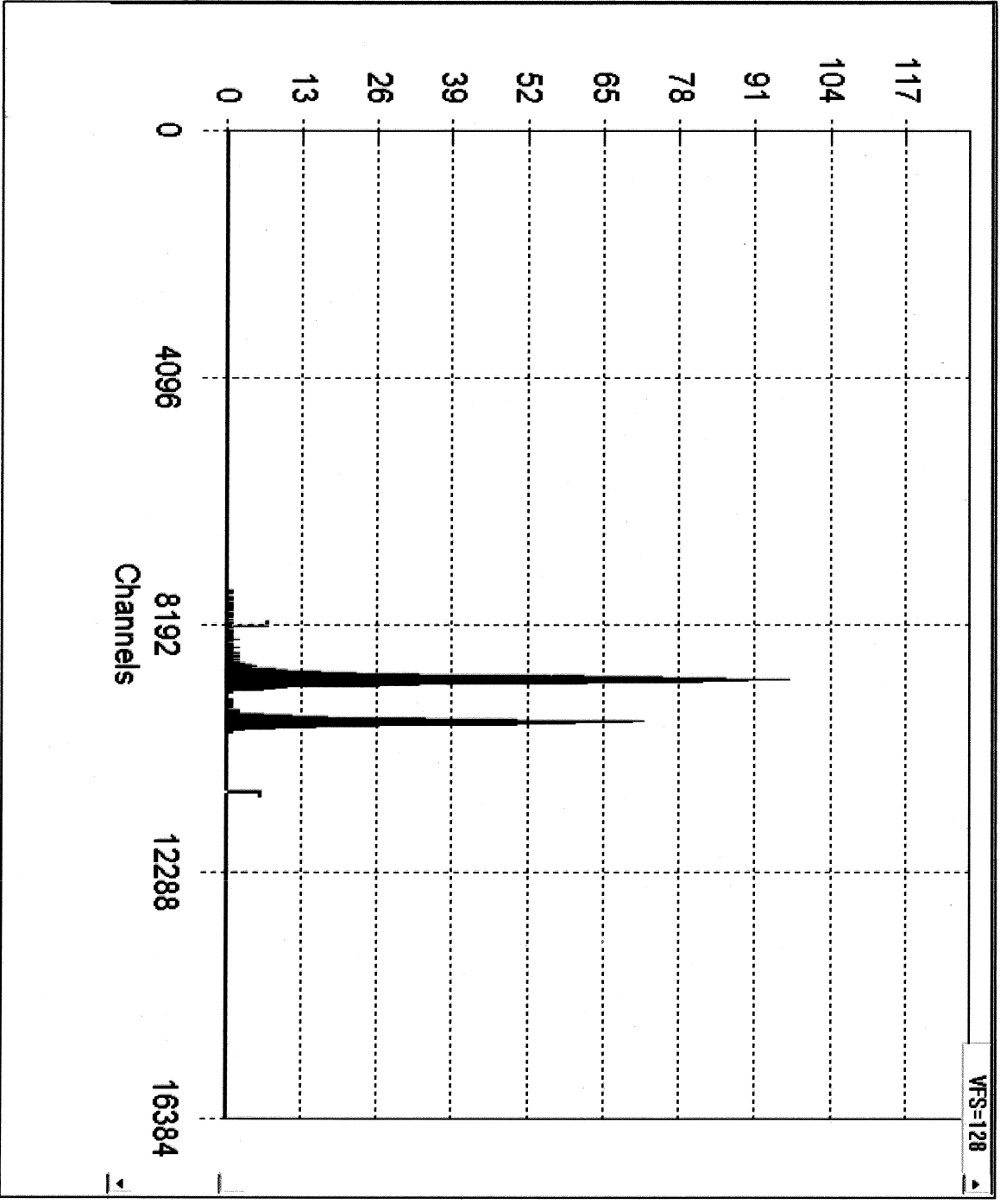
VFS-128

UNCTION

T LINE: **74.3** KeV
STEM: **63.5** KeV
L: **38.5** KeV

MIC

T LINE: **78.3** KeV
STEM: **61** KeV
LC: **46.9** KeV



Source
Am 241

Rise Time
1

Flat Top
0

BIAS VOLTS= **400** V Leakage **2200** nA

Date: 09/19/08 Time: 3:20 pm Tel n.: 89

Inspected detector(s): DE, EF, EB

Detector number(s): 2297-4, 2344-5, ~~2344-6~~

What occasion: Removal of DE + E to subst. by new E

1st inspector: Alisher Janetullaev

2nd inspector: Mike Youngs, Vlad Menzil

WIREBONDS STATUS

all OK ^{!!} dE				E-front				E-back all OK ^{!!}			
strip n.:	1st	2nd	3rd	strip n.:	1st	2nd	3rd	strip n.:	1st	2nd	3rd
1				1				1			
2				2				2			
3				3				3			
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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	~		X	30			
31				31	~		↓	31			
32				32	6R		↓	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 ...)

Date: 09/23/08 Time: 4:15P Tel n.: 9

Inspected detector(s): E

Detector number(s): 2573-2

What occasion: Mounting new E for testing

1st inspector: Vlad Kozel

2nd inspector: Ahmer Sareyullaev, Mike Youngs

WIREBONDS STATUS

dE				E-front				E-back <i>all fine</i>			
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			
7				7				7			
8				8				8			
9				9				9			
10				10	~	~		10			
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32				32				32			

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