continued from p.113

8:07am	**SHUT DOWN SYSTEM TO RESET**					
1:48pm	**RESTARTED SYSTEM**					11609
10/24/2007 1:50:pn	65C	61.2C	20.00%	18.60%	11.25%	11610
10/25/2007 7:18am	65C	63C	15.50%	13.10%	11.22%	11858
	STARTING TO RAMP UP TEMP AND RH					
7:20am	**90C**		**25%**			
1:17pm	**90C**	85.7C	20.00%	17.70%	14.38%	11943
RAISED TO	**110C**		**30%**			
2:24pm	110C	103.7C	30%	26.70%	22.74%	11959
	120C					
10/26/2007 7:46am	120C	111.8C	30.00%	25.50%	20.75%	12206
	Raised RH level		38.50%			
10/29/07 7:47am	120C	112.0C	38.50%	32.70%	27.80%	13230
Raised Temp level	**125C**					
9:07am	**125C**	116.3C	38.50%	32.10%	26.26%	13249
3:50pm	**130C**	120.5	38.50%	31.50%	24.25%	13345

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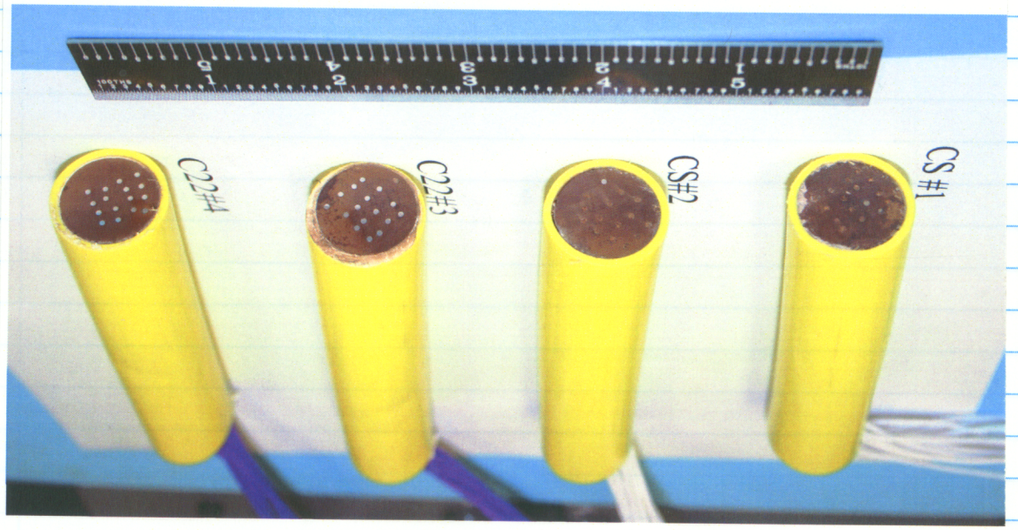
Probes after test



The carbon steel electrodes are corroded, however no localized corrosion was observed even under the microscope.

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NEW TEST CS PROBES VARIOUS RH LEVELS

4 probes CS wire HT# 24246C

All dust sifted to 200 mesh then mixed with salt in ball mill shaker for 5 min.

see Below for Salt/ Quartz / Rock Composition

ONLY A THIN LAYER OF THESE COMPOSITIONS COVER THE TOP OF THE PROBES

SALTS	**NaCl lot# 066010**	**DUST 200Mesh**	**Quartz**
Probe #1 CS :	1.006g	9.007g	10% NaCl - 90% dust
Probe #2 CS:	0.0461g	9.964g	0.4% NaCl - 99.6% dust
Probe #3 ~~C22:~~ CS XH 12/13/07	0	1.00g	100% dust
Probe #4 ~~C22:~~ CS	0		1.00g 100% quartz

Weight measurements taken with : Ohaus SN# 2883 Cal: 7/5/07 Due: 1/5/08

temperature measurements taken with:
Fluke Thermometer Sn# 90810070 Cal:4/3/07 Due:4/3/08

RH measurements taken with:
Vaisalla Probe Sn# 20730015 Cal:4/20/07 Due: 4/20/08

test will be ran at 70C with the variations on the humidity level
ran at 20-40-55-68-80% RH levels

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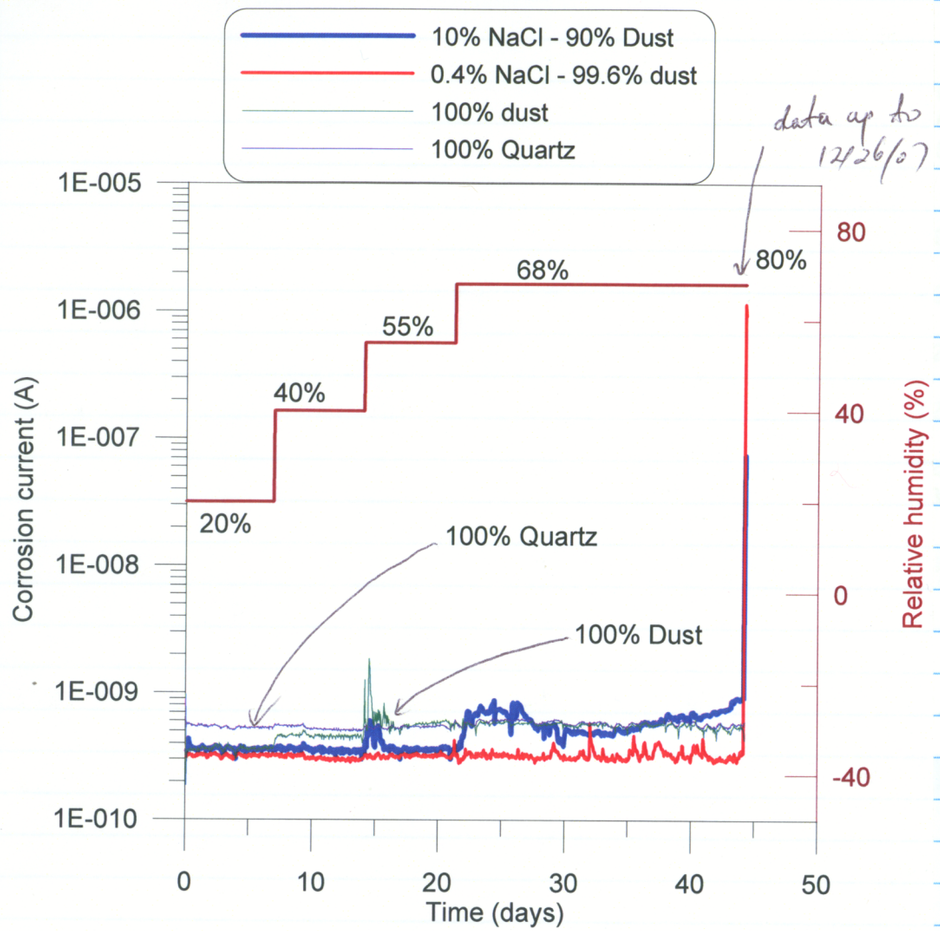
XH 3/14/08



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Xiuhua He 3/14/08

Tempurature And Humidity Log

new CS probe test with just surface dusting

Date/ Time	Set temp.	Actual Temp. (Fluke)	Set Point Humidity	Relative humidity #1	Relative humidity #2	Cycle#
11/12/2007 9:58am	75C	68.4C	22.50%	14.80%	12.33%	START
10:00am	75C	68.4C	22.50%	21.40%	20.20%	1
11:27am	75C	71.8C	25.00%	22.80%	20.75%	20
2:33pm	75C	70.1C	25.00%	22.80%	20.13%	64
11/13/2007 7:16am	75C	72.2C	25.00%	22.50%	20.03%	302
12:41pm	75C	72.3C	25.00%	22.70%	20.06%	379
11/14/2007 8:22AM	75C	72.2C	25.00%	22.60%	20.00%	659
11/16/2007 7:00am	75C	71.6C	25.00%	22.40%	20.06%	1323
11/19/2007 7:59AM	75C	72.2C	25.00%	22.70%	20.02%	2361
Change RH 40% @ 8:36						
11/19/2007 9:17am	75C	72.3C	35.00%	32.40%	30.86%	2379
10:09am	75C	72.3C	35.00%	32.40%	30.90%	2392
Change RH 45% @ 8:36	75C					
10:52am	75C	72.4C	45.00%	42.10%	41.49%	2402
1:46PM	75C	72.4C	45.00%	42.70%	41.39%	2443
11/20/2007 7:41AM	75C	72.3C	45.00%	42.20%	41.54%	2698
11/21/2007 8:37AM	75C	72.3C	45.00%	42.10%	41.44%	3058
11/23/2007 6:23AM	75C	71.6C	45.00%	41.70%	41.39%	3704
11/26/2007 7:49AM	75C	71.2C	45.00%	41.70%	41.39%	4749
11:06AM	75C	71.9C	45.00%	41.80%	41.46%	4795
Change RH 55% @ 8:36	75C					
11/27/2007 7:31am	75C	71.6C	58.90%	55.10%	56.07%	5086
11/28/2007 7:12am	75C	71.8C	58.90%	55.10%	55.97%	5423
11/29/2007 7:56AM	75C	71.9C	58.90%	55.20%	55.88%	5715
11/30/2007 7:37AM	75C	72.3C	58.90%	55.90%	55.81%	6112
12/3/2007 7:39AM	75C	71.9C	58.90%	55.00%	55.63%	7137
12/3/2007 2:50PM	Change RH 68%					
12/4/2007 7:51AM	75C	71.7C	72.00%	67.80%	68.94%	7481
12/5/2007 7:11AM	75C	72.1C	72.00%	67.90%	69.00%	7813
12/6/2007 7:39AM	75C	72.2C	72.00%	67.90%	68.69%	8161
12/7/2007 8:19AM	75C	72.4C	72.00%	68.20%	68.70%	8512
12/10/2007 7:47AM	75C	72.0C	72.00%	68.00%	68.73%	9529
12/11/2007 8:49AM	75C	72.3C	72.00%	68.50%	68.83%	9885
12/12/2007 8:01AM	75C	72.0C	72.00%	68.50%	68.71%	10215
12/13/2007 7:21AM	75C	72.0C	72.00%	68.00%	68.73%	10547
12/14/2007 7:35AM	75C	72.0C	72.00%	68.20%	68.92%	10892
12/17/2007 8:03AM	75C	72.0C	72.00%	67.70%	68.86%	11923
12/18/2007 9:13AM	75C	72.0C	72.00%	68.20%	69.11%	12281
12/19/2007 8:16AM	75C	72.0C	72.00%	68.30%	69.09%	12609
12/20/2007 7:36AM	75C	72.0C	72.00%	68.20%	68.99%	12941
12/21/2007 8:25AM	75C	72.0C	72.00%	68.00%	68.89%	13294
12/26/2007 12:11PM	75C	72.0C	72.00%	68.20%	69.16%	15055
2:03PM	Change RH 80%					
2:24PM	75C	72.5C	72.00%	78.10%	78.97%	15086
3:33PM	75C	72.5C	72.00%	78.90%	79.76%	15103

Xiuhua He 1/25/08