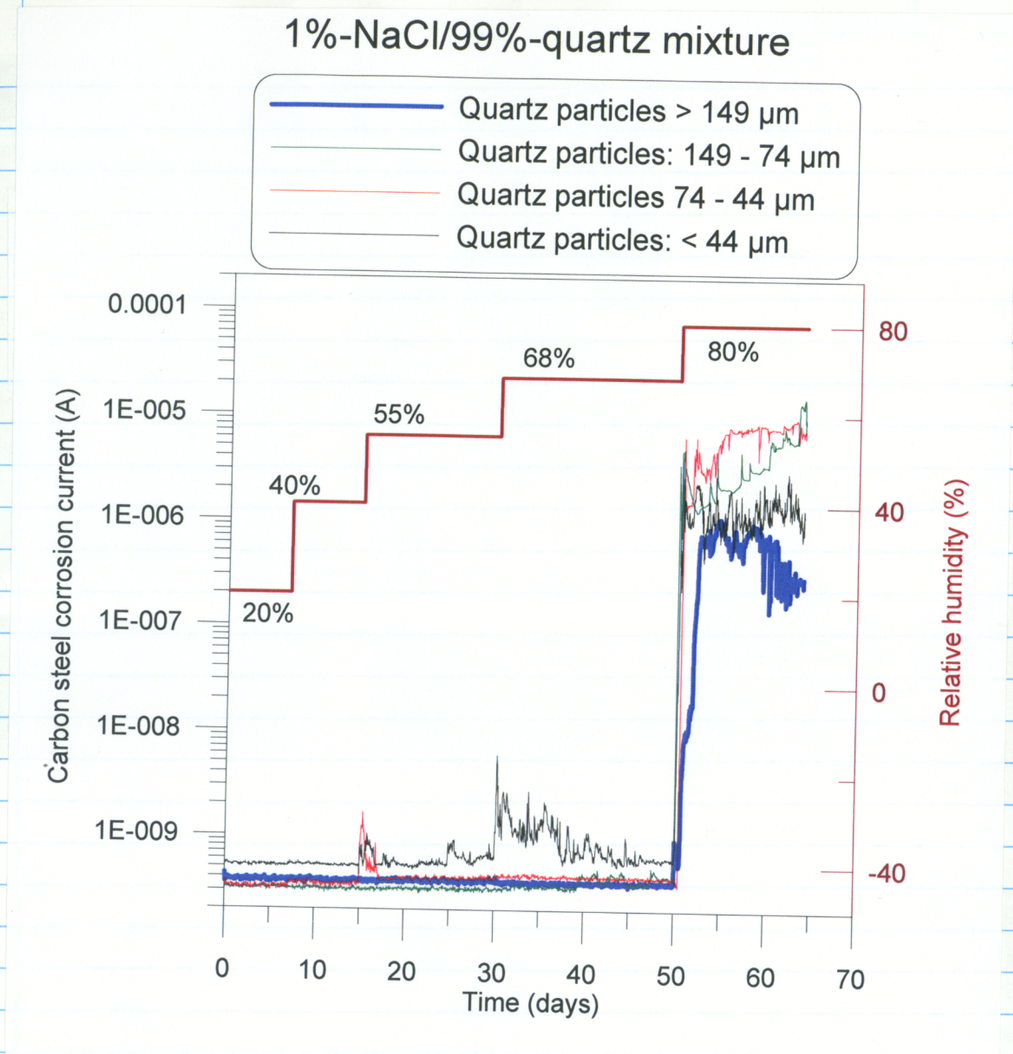

Xihua He 4/28/08

4/28/08

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Tempurature And Humidity Log

2/20/08 — 4/24/08

Date/ Time	Set tempurature	Actual Temp. (Fluke)	Set Point Humidity	Relative humidity #1	Relative humidity #2	Cycle#
2/20/08 8:49am	72.0C	61.6C	24.60%	21.50%	23.62%	start
2/20/08 9:26am	72.0C	70.3C	24.60%	22.40%	19.91%	1
2/20/08 1:42pm	72.0C	70.3C	24.60%	22.40%	19.89%	61
2/21/08 8:11am	72.0C	70.4C	24.60%	22.50%	20.01%	324
2/21/08 12:45pm	72.0C	70.4C	24.60%	22.30%	19.86%	389
			Raised to 26% RH			
2/21/08 2:52pm	72.0C	70.4C	26.00%	23.70%	21.06%	419
2/22/08 8:10am	72.0C	70.2C	26.00%	23.70%	21.35%	665
2/25/08 8:55am	72.0C	70.3C	26.00%	23.80%	21.54%	1700
2/26/08 8:17am	72.0C	70.3C	26.00%	23.60%	21.33%	2032
2/27/08 8:25am	72.0C	70.2C	26.00%	23.40%	21.32%	2376
			Raised to 40% RH			
2/27/08 9:10am	72.0C	70.3C	43.50%	40.70%	40.22%	2387
2/27/08 11:06am	72.0C	70.2C	43.50%	40.70%	40.80%	2414
2/28/08 7:15am	72.0C	70.2C	43.50%	40.70%	40.21%	2701
2/29/08 7:22am	72.0C	70.3C	43.50%	40.70%	40.30%	3044
3/3/08 7:41am	72.0C	70.2C	43.50%	40.80%	40.23%	4073
3/4/08 8:13am	72.0C	70.2C	43.50%	40.07%	40.09%	4422
3/6/08 8:40am	72.0C	70.2C	43.50%	40.70%	40.29%	5111
			Raised to 55% RH			
3/6/2008 9:29am	72.0C	70.3C	59.10%	56.00%	56.80%	5123
3/7/08 10:05am	72.0C	70.3C	59.10%	55.80%	56.51%	5473
3/10/08 10:30am	72.0C	70.2C	59.10%	55.90%	56.32%	6488
3/12/08 9:45am	72.0C	70.3C	59.10%	55.90%	56.42%	7175
3/13/08 1:20pm	72.0C	70.2C	59.10%	56.00%	56.43%	7568
3/14/08 7:08am	72.0C	70.3C	59.10%	56.00%	56.39%	7821
3/17/08 5:37am	72.0C	70.3C	59.10%	56.00%	56.32%	8824
3/18/08 6:17am	72.0C	70.3C	59.10%	56.10%	56.43%	9175
3/19/08 6:19am	72.0C	70.2C	59.10%	56.00%	56.34%	9516
3/20/08 6:56am	72.0C	70.3C	59.10%	55.90%	56.50%	9867
3/21/08 6:41am	72.0C	70.2C	59.10%	55.90%	56.41%	10205
3/21/08 10:12am		.	Raised to 68% RH			
3/21/08 6:41am	72.0C	70.4C	70.00%	66.70%	67.36%	10277
3/24/08 6:47am	72.0C	70.0C	70.60%	66.90%	67.98%	11231
3/25/08 6:28am	72.0C	70.1C	70.60%	66.90%	67.97%	11568
3/26/08 7:19am	72.0C	70.3C	70.60%	67.00%	67.99%	11921
3/27/08 7:03am	72.0C	70.3C	70.60%	67.20%	68.05%	12259
3/31/08 7:20am	72.0C	70.3C	70.60%	67.00%	67.91%	13629
4/1/08 8:26am	72.0C	70.3C	70.60%	67.10%	67.95%	13976
4/2/08 6:55am	72.0C	70.2C	70.60%	67.10%	67.92%	14306
4/3/08 7:31am	72.0C	70.2C	70.60%	67.10%	67.78%	14656
4/4/2008	72.0C	70.3C	70.60%	67.10%	67.80%	14993
4/7/2008	72.0C	70.2C	70.60%	67.10%	67.92%	16012
4/8/2008	72.0C	70.3C	70.60%	67.10%	68.00%	16366
4/9/2008 8:30am	72.0C	70.3C	70.60%	67.10%	67.86%	16703
4/10/08 9:29am	72.0C	70.6C	Raise RH to 85% 82.60%	78.50%	79.56%	17060
4/10/08 2:05pm	72.0C	70.5C	82.60%	78.70%	79.59%	17136
4/14/08 8:13am	72.0C	70.2C	82.60%	79.00%	79.03%	18408
4/15/08 7:34am	72.0C	70.3C	83.10%	79.00%	79.92%	18740
4/06/08 7:36am	72.0C	70.3C	83.10%	79.20%	80.01%	19082
4/17/08 8:58am	72.0C	70.4C	83.10%	79.30%	79.92%	19443
4/18/08 8:21am	72.0C	70.3C	83.10%	78.90%	79.87%	19775
4/21/08 8:25am	72.0C	70.4C	83.10%	79.10%	79.85%	20801
4/22/08 8:32am	72.0C	70.4C	83.10%	79.10%	79.77%	21144
4/23/08 8:17am	72.0C	70.4C	83.10%	79.10%	79.79%	21482
4/24/08 8:25am	72.0C	59.5C	83.10%	79.80%	56.73%	21822
4/24/2008 10:50am	SHUTDOWN TEST WILL TRY TO RESET AND RESTART CHAMBER					21856

Test ended on 4/25/08

Xihua He 4/28/08

Post-test observation:

All the probes were corroded and mixtures were contaminated by carbon steel corrosion products.

Probes after test:

Mixtures collected from the top of probes:

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Probes #1 & 2

All the electrodes were corroded.

Probes #3 & 4

Most of the electrodes were corroded.

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The project has completed.

Xihua He 7/14/08

X.H 7/14/08

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