

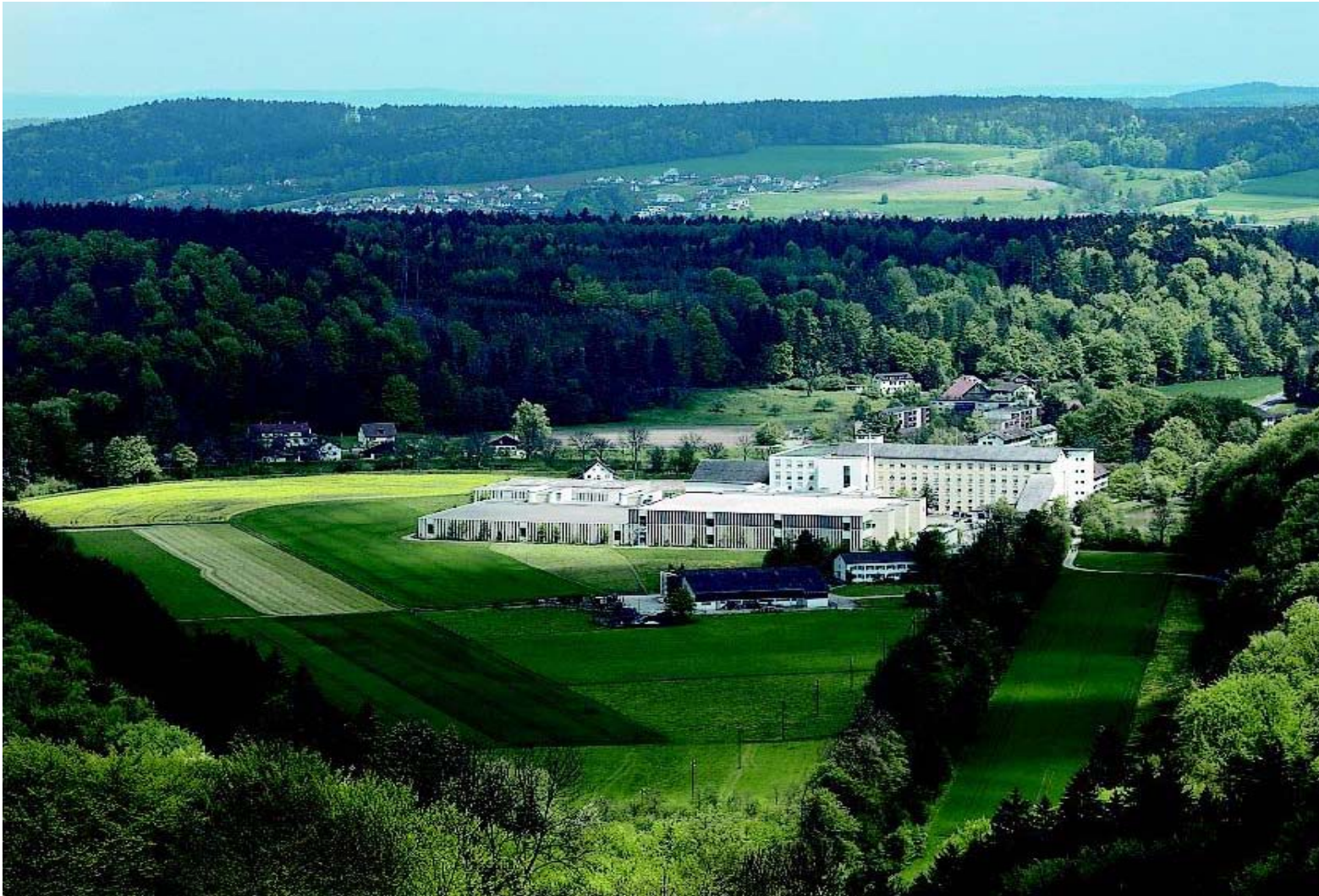
Usage of Instrument test results in Cotton procurement



Spinning Plant Jefferson, Georgia USA



Spinning Plant Sennhof (Switzerland)



*Focal point is the **End Product***

- *What are the main properties the home textile or garment needs to have?*
- *How does the end product need to perform?*
- *What are the intermediate processes in manufacturing?*



But fiber and subsequent processing needs to be taken into account as well

- *Opening, Spinning*
- *Yarn quality parameters*
- *Subsequent processing such as*
- *Knitting*
- *Weaving*
- *Wet processing*



Fashion and performance starts with Fiber selection



Some important fiber parameters and its impact in spinning and subsequent processing

- ***Micronaire***
- ***Length***
- ***Strength***
- ***+B***
- ***RD***
- ***Trash%***
- ***Uniformity***



Fiber paramaters (continued)

- ***Short fiber index predicted***
- ***Maturity Index***
- ***Moister content***
- ***Neps***
- ***Stickyness***





Buhler Quality Yarns Corp.

HVI Data Report

Page

1/11/2012 7:49:38 AM

Shipments 2449

Invoice: 211037

Purchase:

Remarks:

Remarks2:

Contract: 211037

Mark: J1029

Vendor: BOSW2

C.Date:

P.Date:

R.Date:

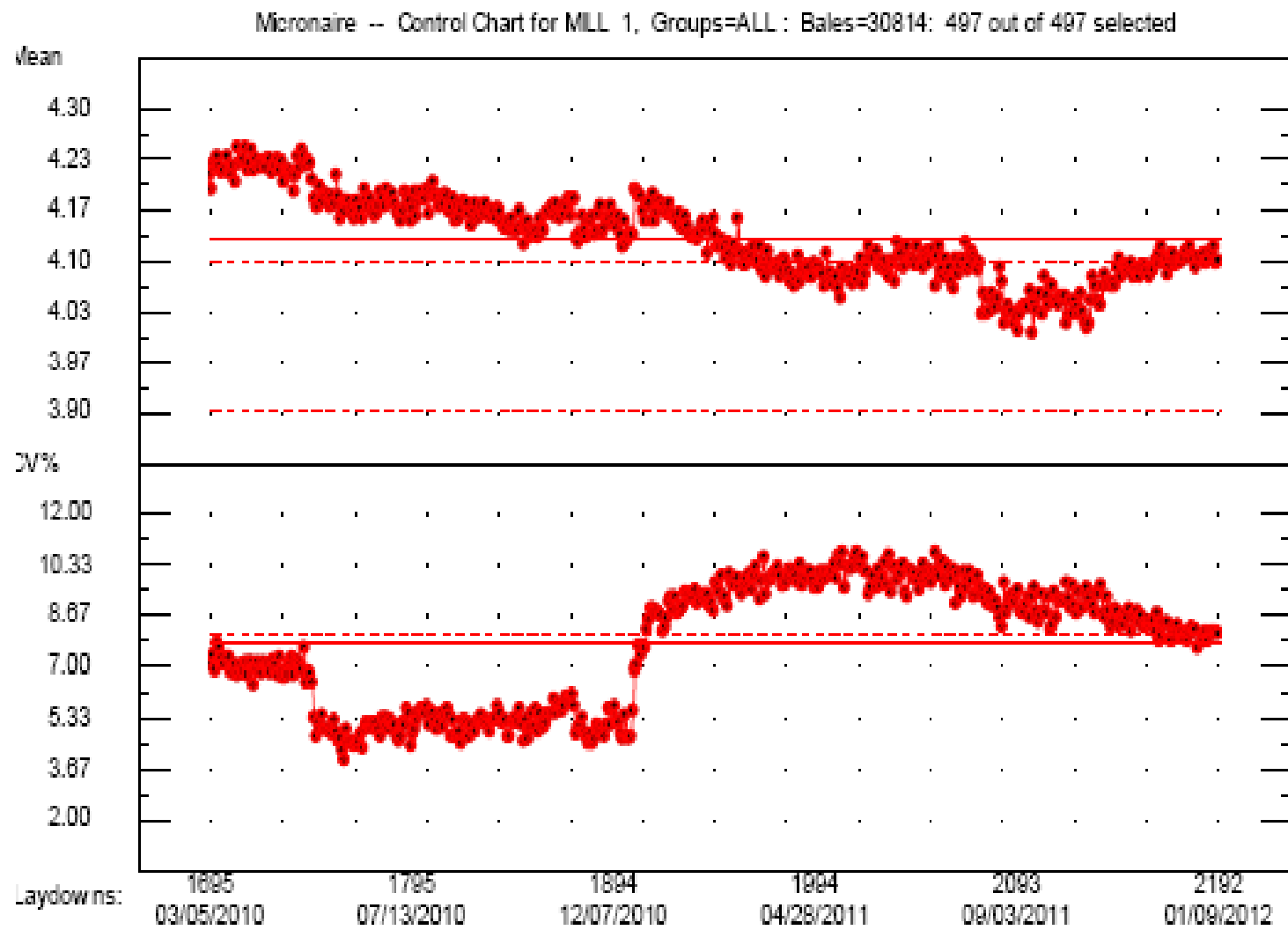
<u>Index</u>	<u>Mill Bale #</u>	<u>Category</u>	<u>Contract</u>	<u>DateRec</u>	<u>Len</u>	<u>Mark</u>	<u>Mic</u>	<u>PlusB</u>	<u>Rd</u>	<u>Str</u>	<u>Tr%A</u>	<u>Pos</u>
1	967171143789	Z232	211037	00/00/0000	1.41	J1029	4.0	12.3	70.7	43.2	0.2	0
2	967171143306	Z232	211037	00/00/0000	1.44	J1029	4.0	12.4	71.8	45.1	0.3	0
3	967171143310	Z232	211037	00/00/0000	1.43	J1029	4.0	12.5	71.7	41.5	0.1	0
4	967171143317	Z132	211037	00/00/0000	1.38	J1029	3.8	12.4	71.5	42.2	0.2	0
5	967171143427	Z122	211037	00/00/0000	1.44	J1029	3.8	12.0	71.8	44.6	0.2	0
6	967171143439	Z132	211037	00/00/0000	1.46	J1029	3.7	12.3	71.0	44.8	0.2	0
7	967171143445	Z122	211037	00/00/0000	1.44	J1029	3.8	12.1	71.5	43.9	0.2	0
8	967171143508	Z222	211037	00/00/0000	1.44	J1029	4.0	12.0	71.8	42.7	0.2	0
9	967171143600	Z122	211037	00/00/0000	1.46	J1029	3.9	12.2	71.0	42.9	0.4	0



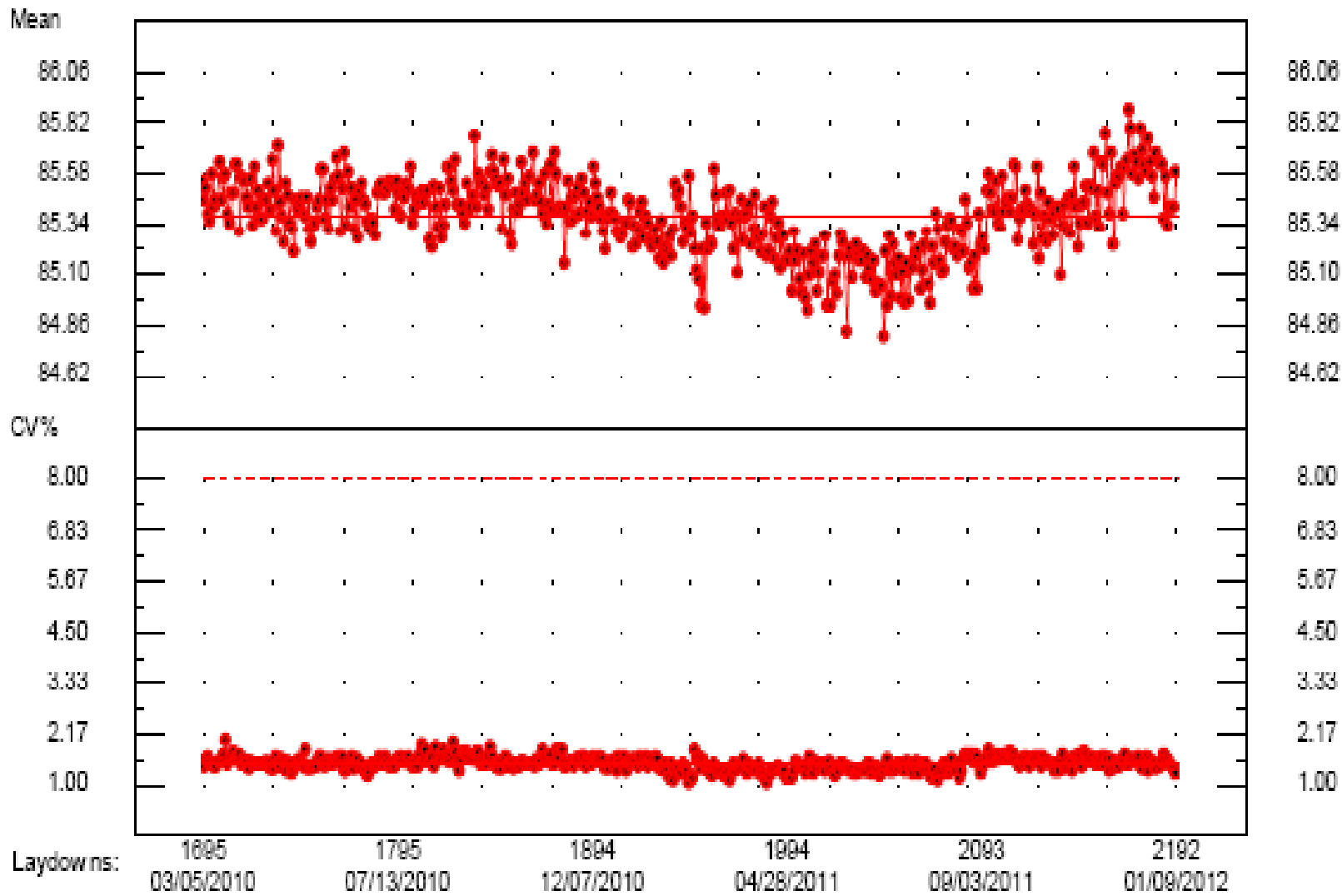
83	967171145088	Z232	211037	00/00/0000	1.41	J1029	4.0	12.3	72.1	47.0	0.2	0
84	967171145101	Z232	211037	00/00/0000	1.47	J1029	4.0	12.3	71.8	47.3	0.2	0
85	967171145588	Z232	211037	00/00/0000	1.43	J1029	4.0	12.6	72.4	48.5	0.2	0
86	967171144853	Z232	211037	00/00/0000	1.48	J1029	4.0	12.3	70.8	43.0	0.2	0
Summary	Mill Bale #	Category	Contract	DateRec	Len	Mark	Mic	PlusB	Rd	Str	Tr%A	Pos
Avg:					1.432		3.95	12.40	71.28	44.77	0.24	
Std:					0.02		0.10	0.21	0.93	2.08	0.07	
CV:					1.65		2.45	1.68	1.31	4.64	27.47	

Total bales: __ 86 of 86

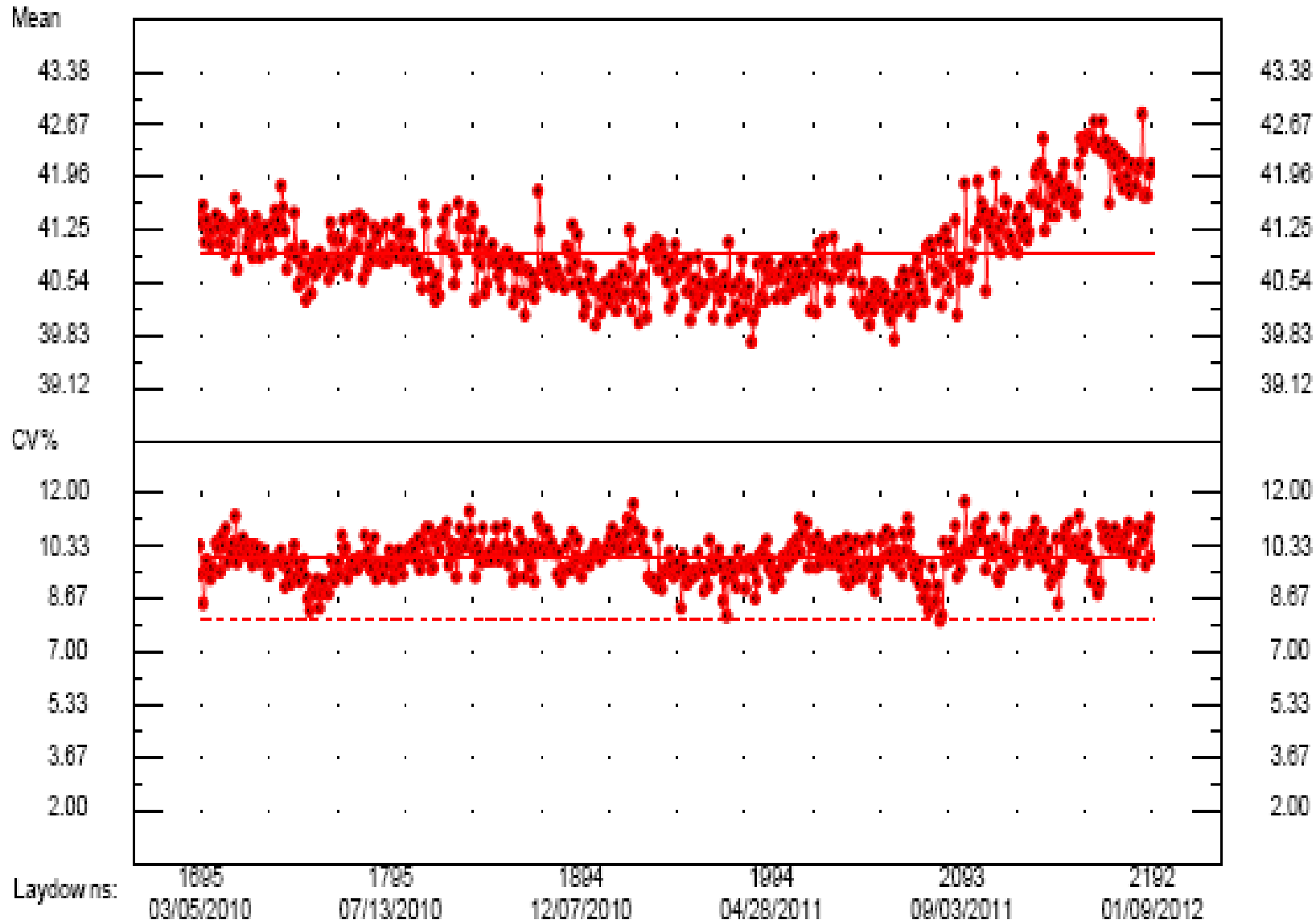


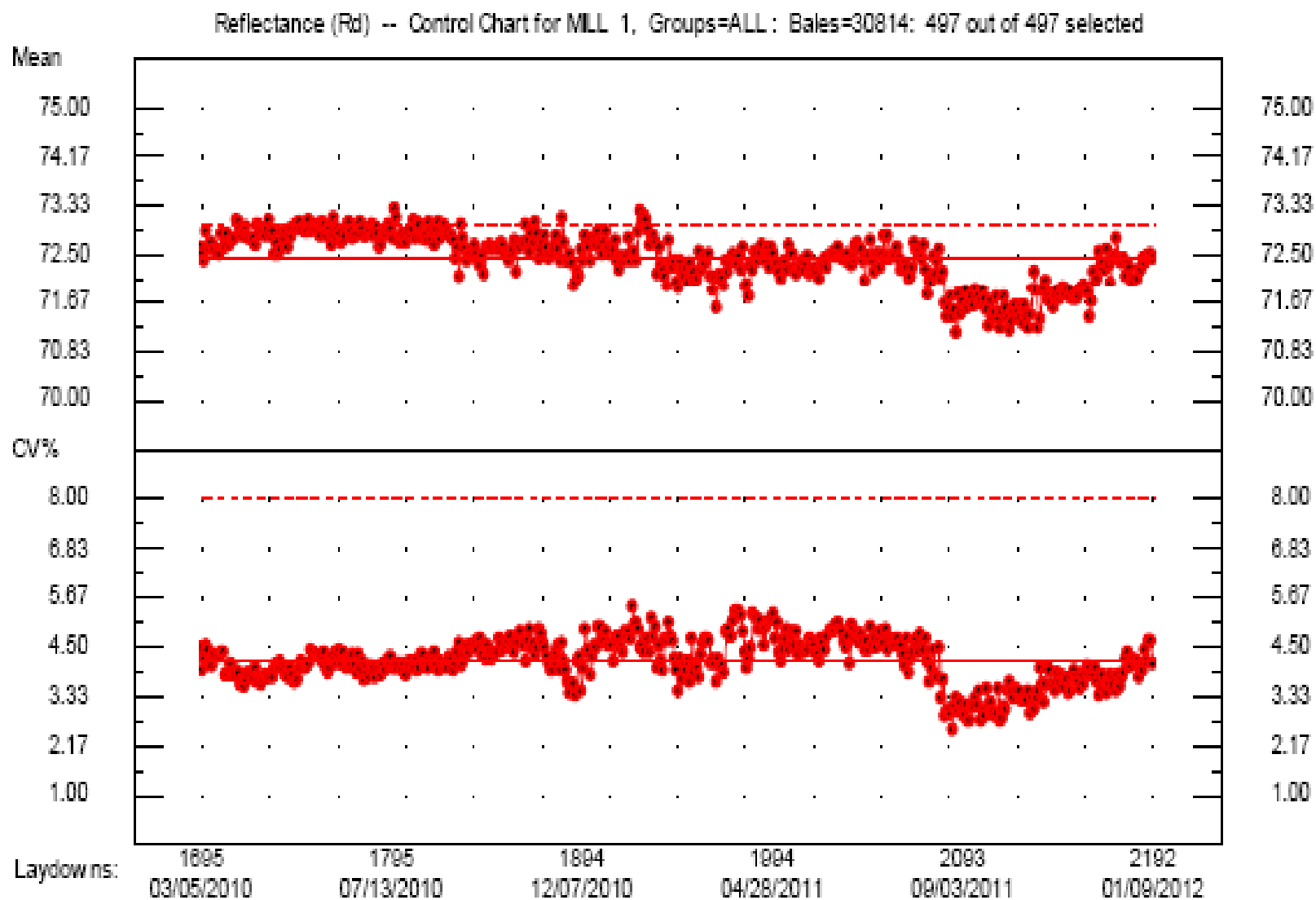


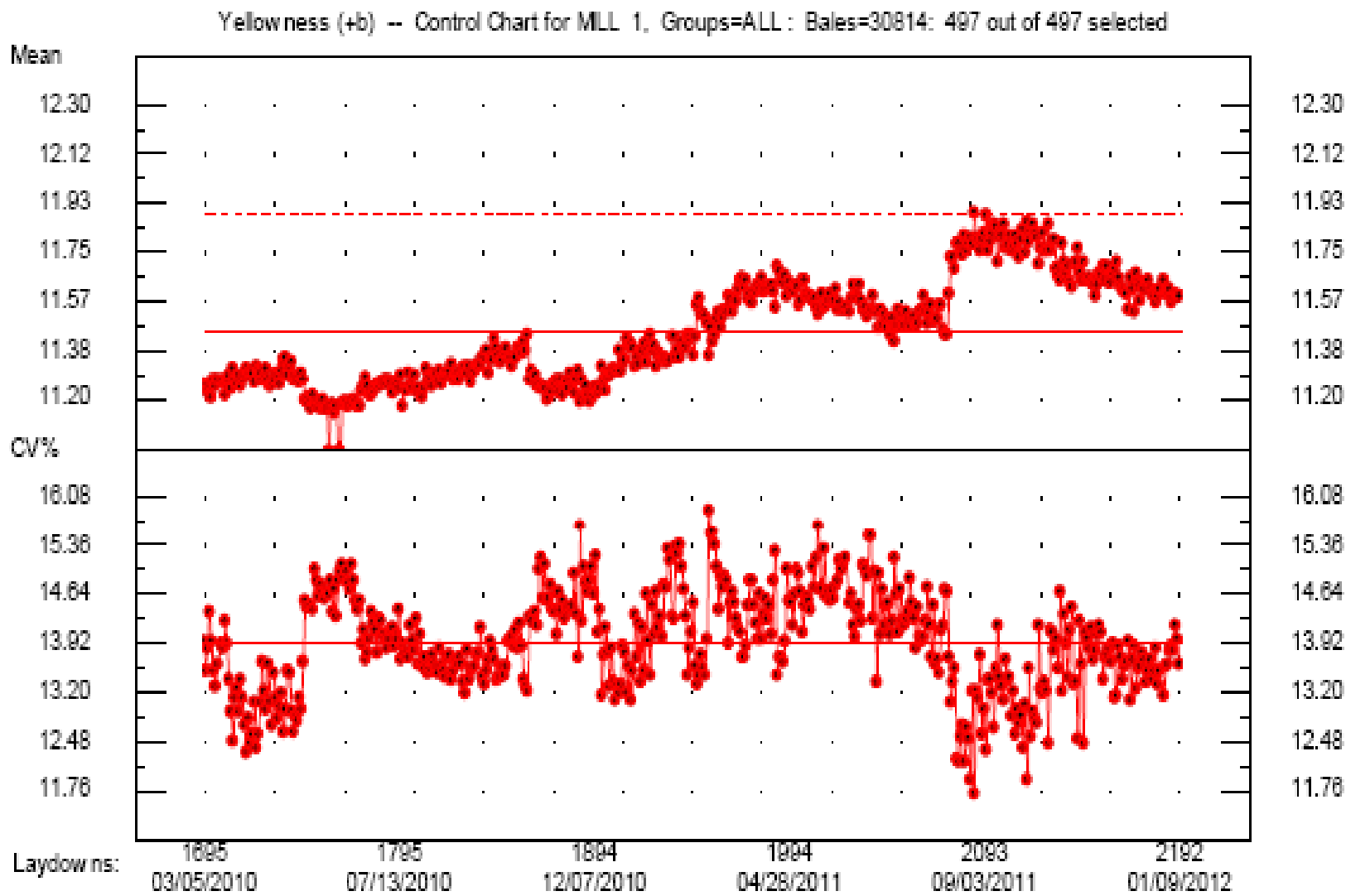
Uniformity -- Control Chart for MLL 1, Groups=ALL : Bales=30814: 497 out of 497 selected



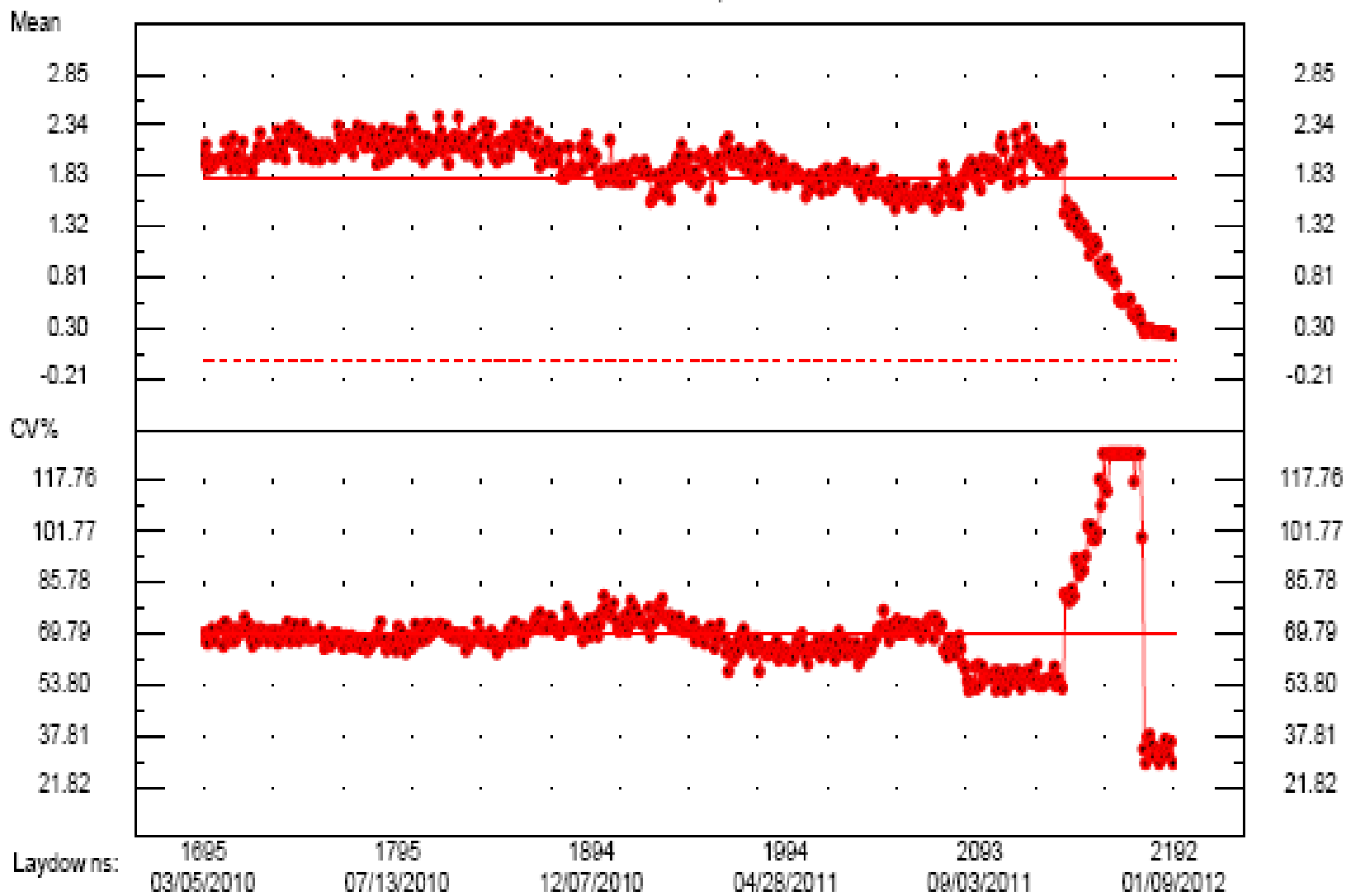
Strength -- Control Chart for MLL 1, Groups=ALL : Bales=30814: 497 out of 497 selected



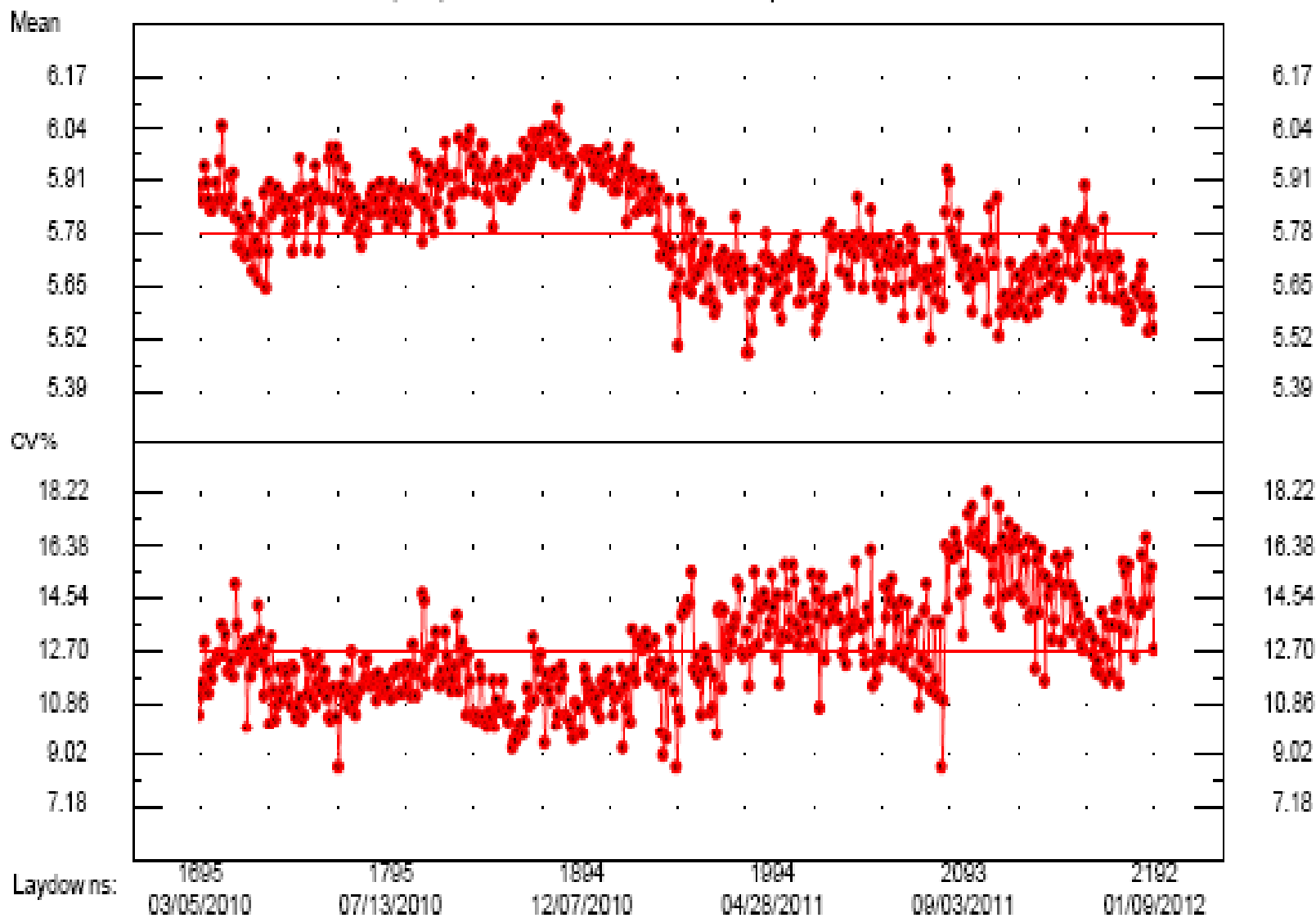




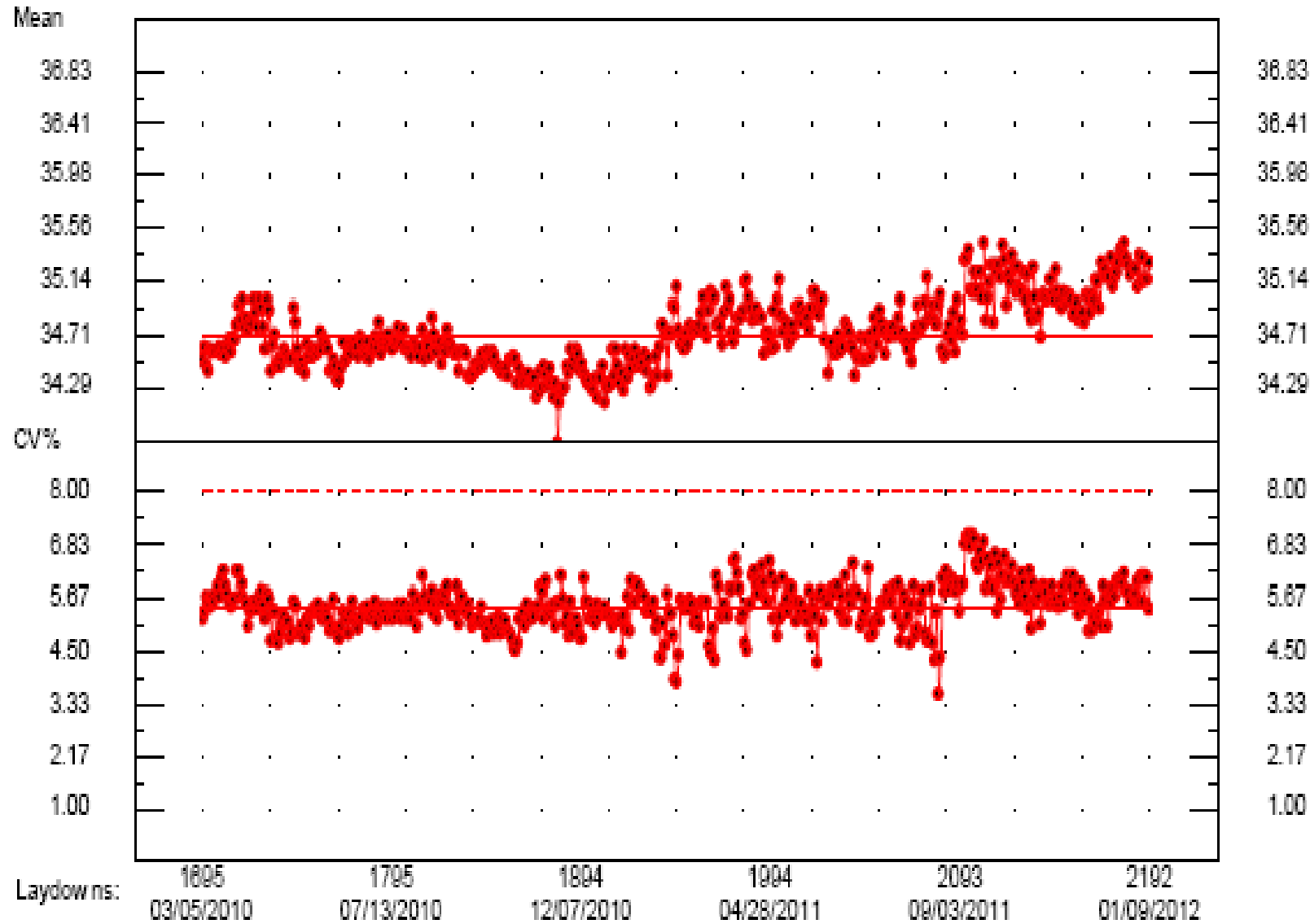
Trash Percent Area -- Control Chart for MILL 1, Groups=ALL : Bales=30814: 497 out of 497 selected



Predicted Short Fiber Index (PSFI) -- Control Chart for MILL 1, Groups=ALL : Bales=30814: 497 out of 497 selected



Length in Millimeters -- Control Chart for MILL 1, Groups=ALL : Bales=30814: 497 out of 497 selected



Thank you for your attention!

