Calibration of the phase monitors
Mean value of every pulse over time
Mean value of each point for all devices

Beam Phase Measurements
CTF3 working meeting

Alexander Gerbershagen
for
Emmanouil Ikarios

10.10.2012

Calibration of the phase monitors   BPR290
Mean value of every pulse over time   BPR475
Mean value of each point for all devices   BPR532
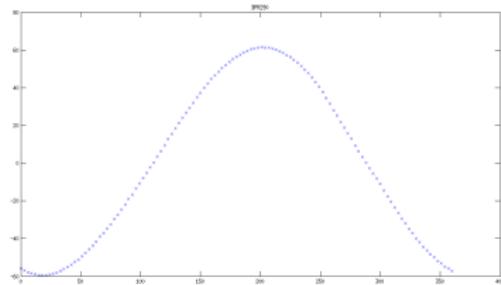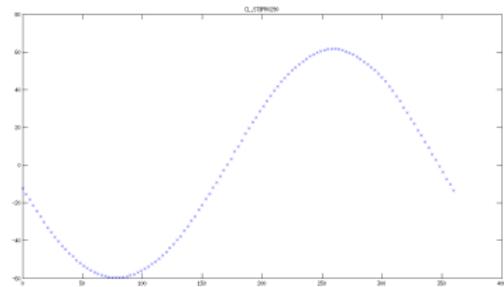
(a) R56@0.2

(b) R56@0.45

R56	calibration point	calibration factor
0.2	111	1.0358
0.45	171	0.9492

Calibration of the phase monitors BPR290
Mean value of every pulse over time **BPR475**
Mean value of each point for all devices BPR532
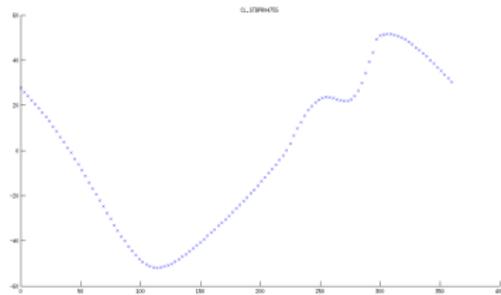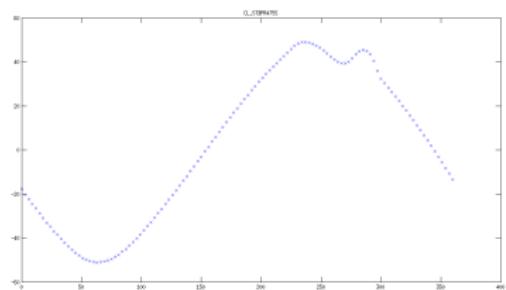
(c) R56@0.2

(d) R56@0.45

R56	calibration point	calibration factor
0.2	42	-1.2214
0.45	153	1.3466

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Mean value of each point for all devices

BPR290
BPR475
BPR532
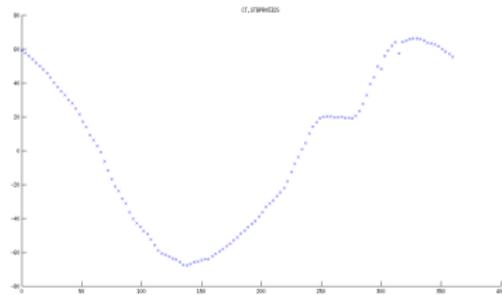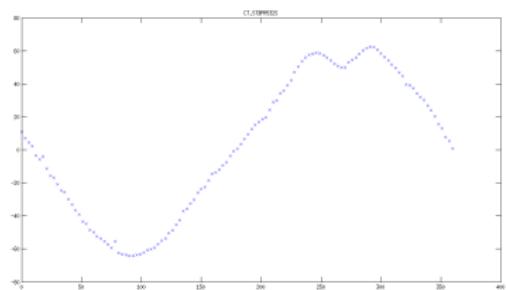
(e) R56@0.2

(f) R56@0.45

R56	calibration point	calibration factor
0.2	66	-0.7077
0.45	180	1.1917

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Mean value of every pulse over time   BPR475
Mean value of each point for all devices   BPR532

R56	BPR	calibration point	calibration factor
	290	111	1.0358
0.2	475	42	-1.2214
	532	66	-0.7077
	290	171	0.9492
0.45	475	153	1.3466
	532	180	1.1917

Calibration of the phase monitors
Mean value of every pulse over time
Mean value of each point for all devices

Overall
BPR290
BPR475
BPR532
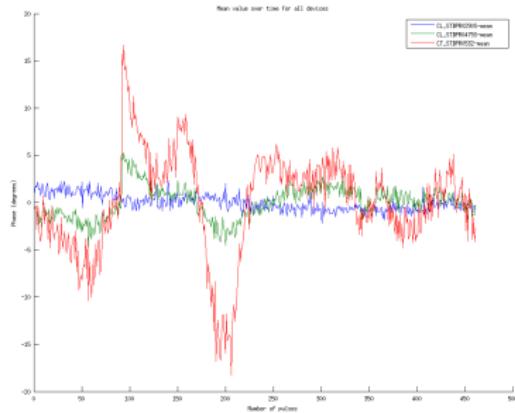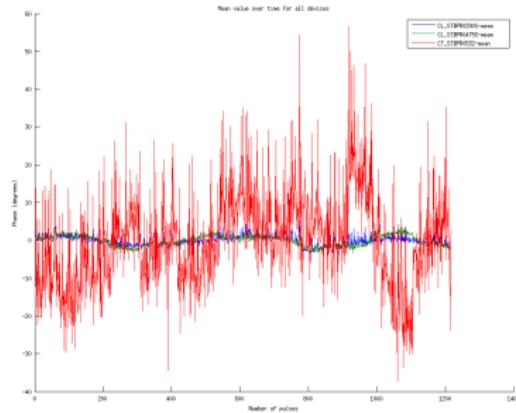
(g) R56 0.2

(h) R56 0.45

R56	BPR	STD
	290	0.88
0.2	475	1.70
	532	5.44
	290	1.36
0.45	475	1.39
	532	12.8

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Overall
BPR290
BPR475
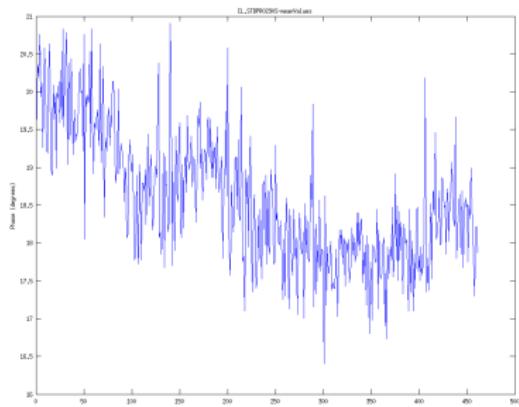
(i) R56@0.2 STD=0.88

(j) R56@0.45 STD=1.36

Calibration of the phase monitors
Mean value of every pulse over time
Mean value of each point for all devices

Overall
BPR290
BPR475
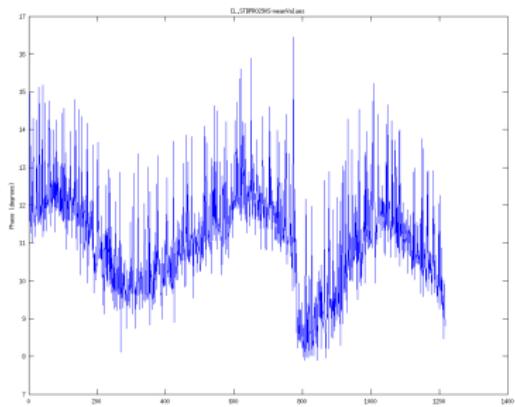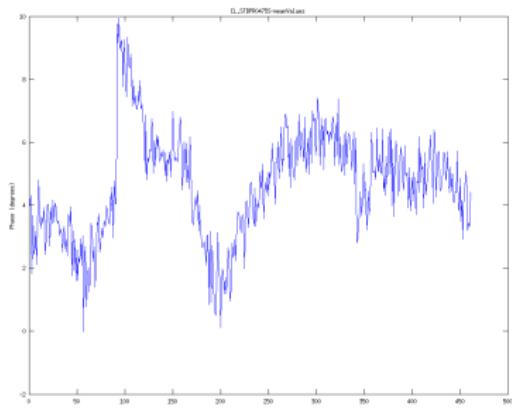
(k) R56@0.2 STD=1.70

(l) R56@0.45 STD=1.39

Calibration of the phase monitors
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Overall
BPR290
BPR475
BPR532
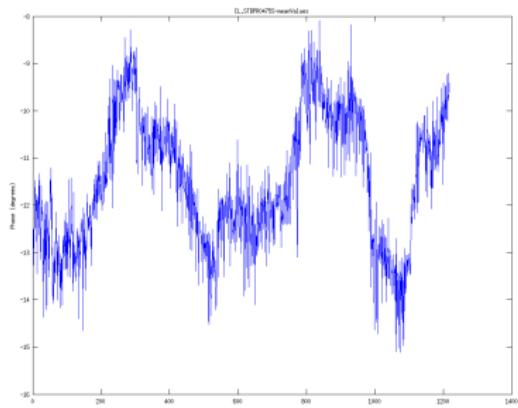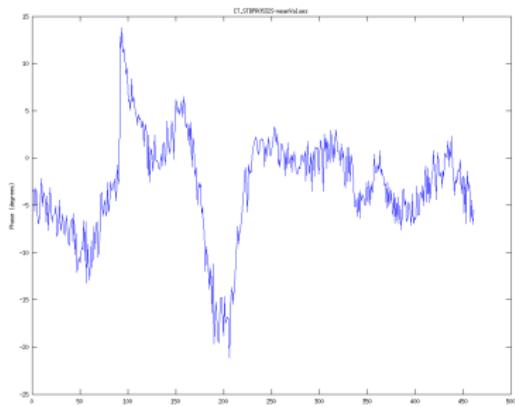
(m) R56@0.2 STD=12.8

(n) R56@0.45 STD=5.44

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BPR290
BPR475

(o) R56@0.2

(p) R56@0.45

Calibration of the phase monitors
Mean value of every pulse over time
Mean value of each point for all devices
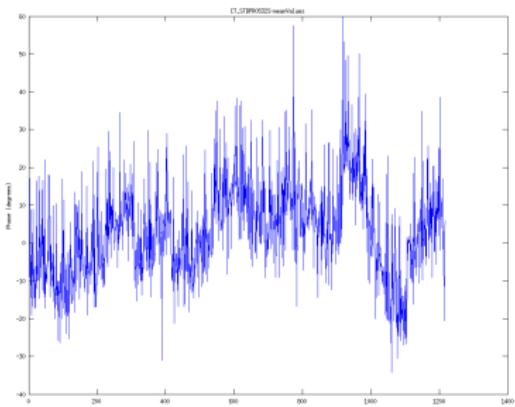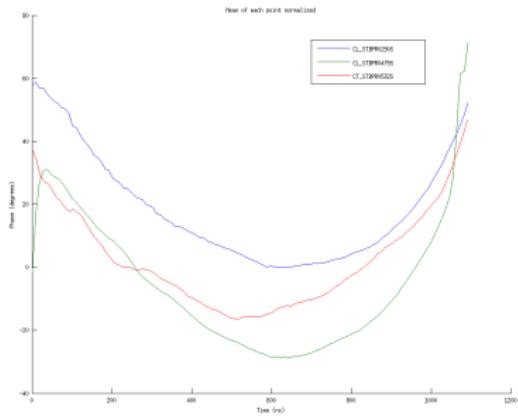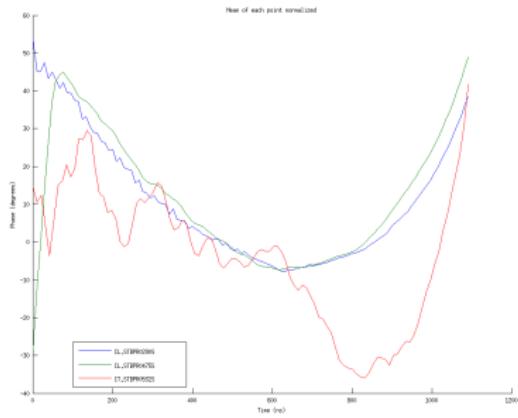
Overall
BPR290
BPR475
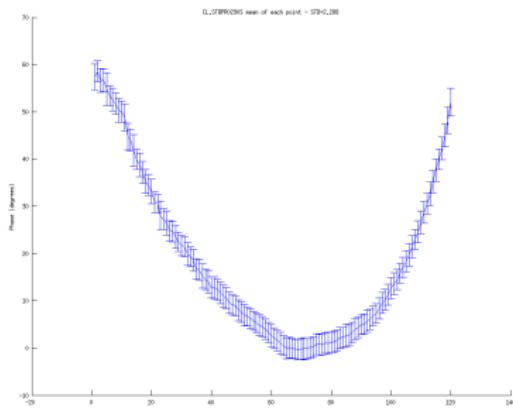
(q) R56 0.2 STD=2.288

(r) R56 0.45 STD=2.269

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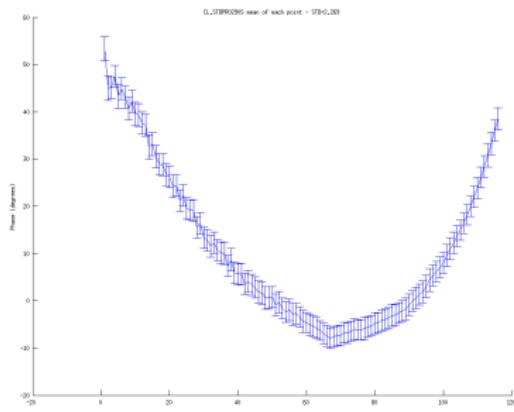
Overall
BPR290
BPR475
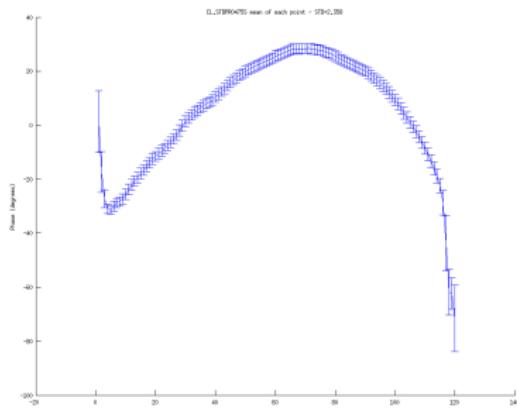
(s) R56 0.2 STD=2.358
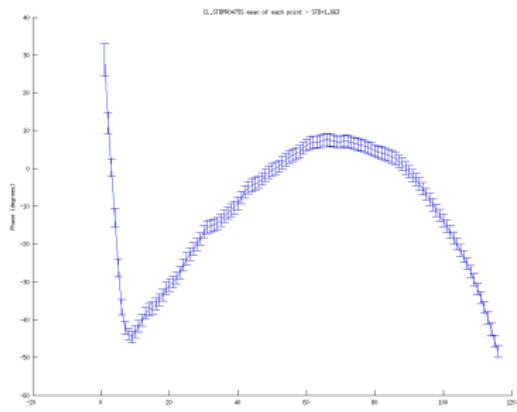
(t) R56 0.45 STD=1.663

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Overall
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BPR532
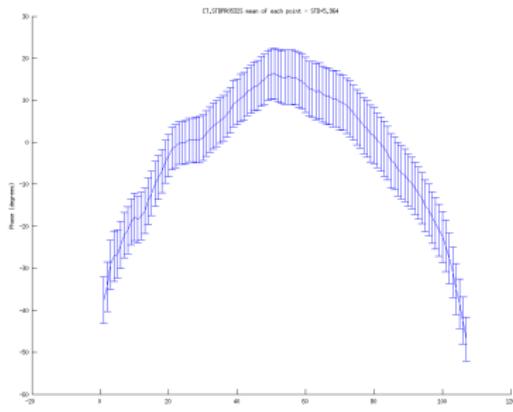
(u) R56 0.2 STD=5.964
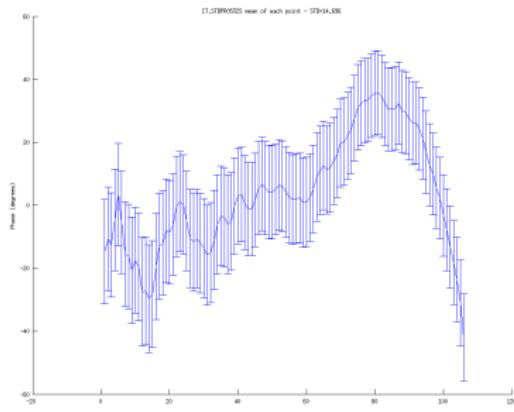
(v) R56 0.45 STD=14.696

Backup Slides
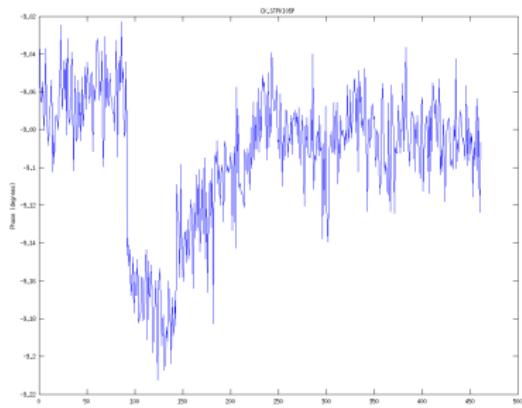
(a) R56@0.2
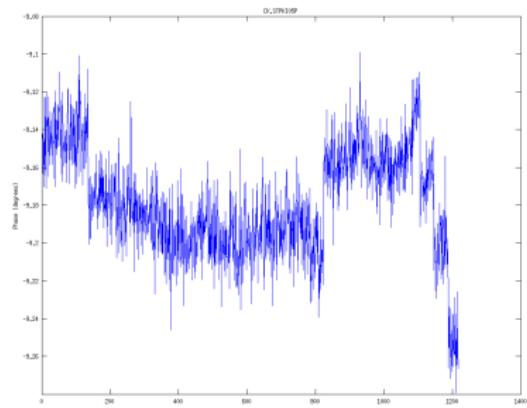
(b) R56@0.45
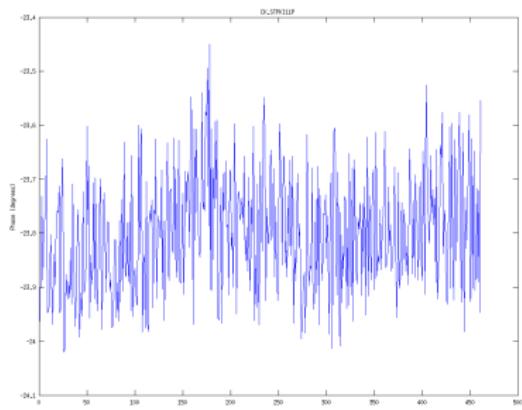
(c) R56@0.2
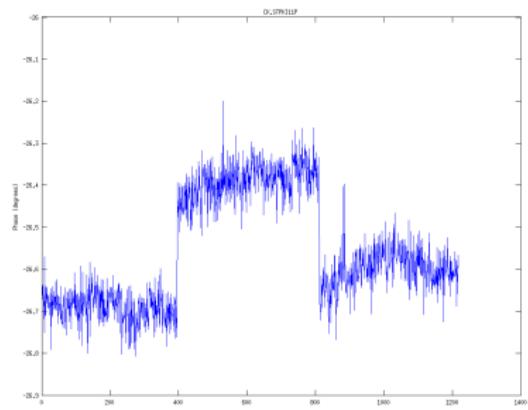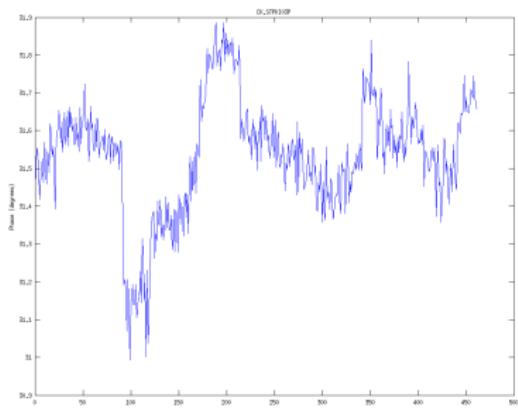
(d) R56@0.45

(e) R56@0.2
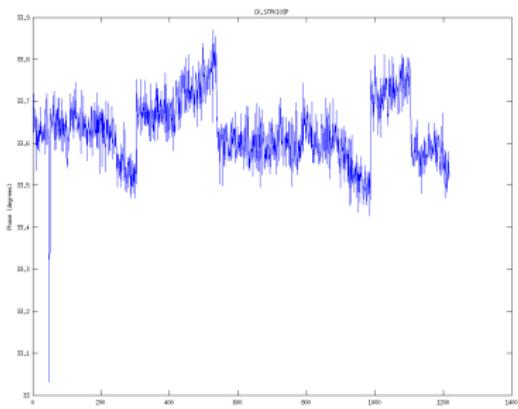
(f) R56@0.45
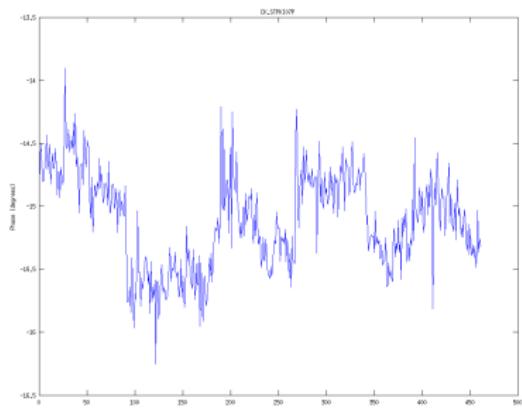
(g) R56@0.2
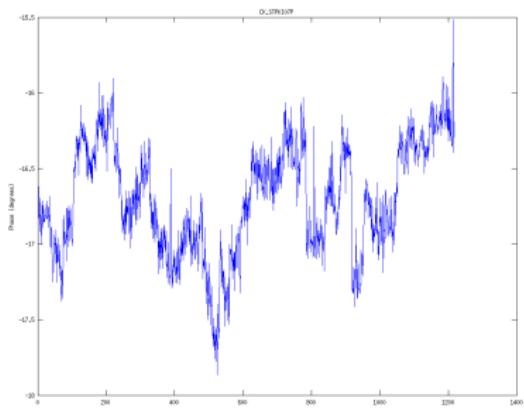
(h) R56@0.45
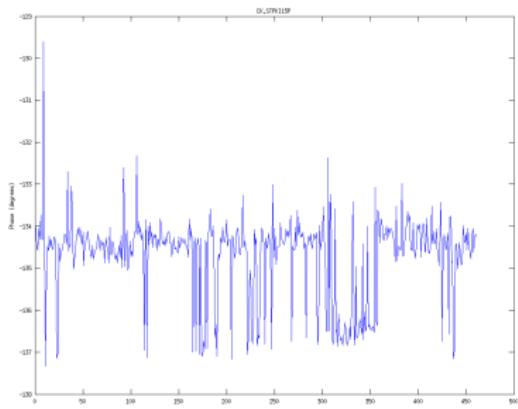
(i) R56@0.2
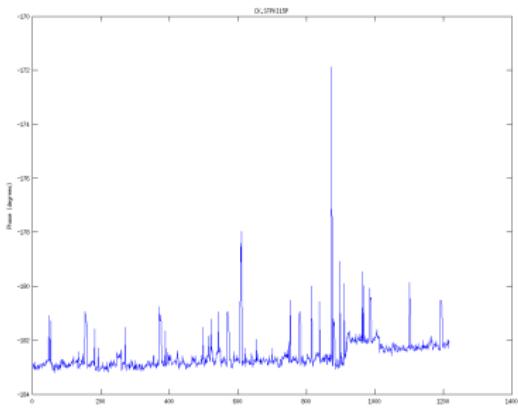
(j) R56@0.45
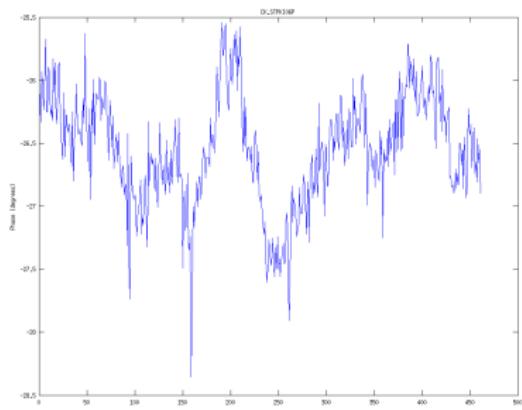
(k) R56@0.2
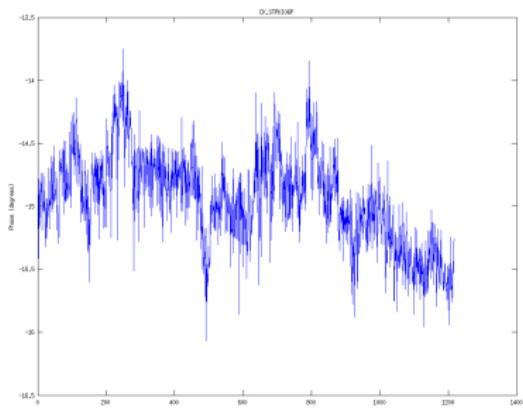
(l) R56@0.45
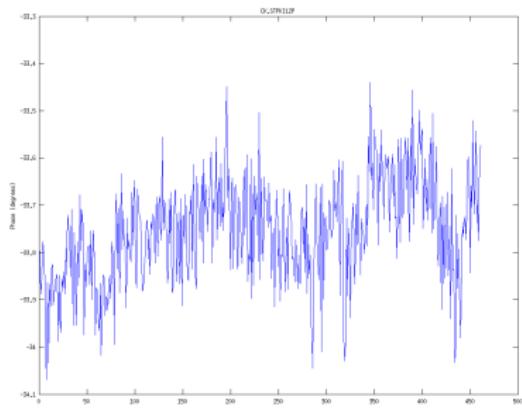
(m) R56@0.2
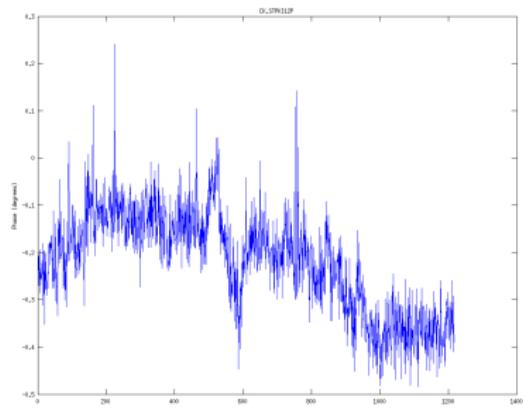
(n) R56@0.45
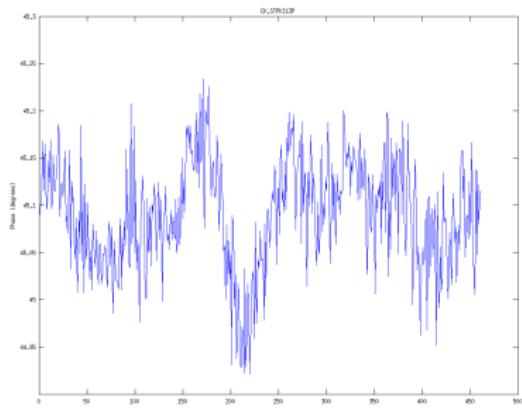
(o) R56@0.2
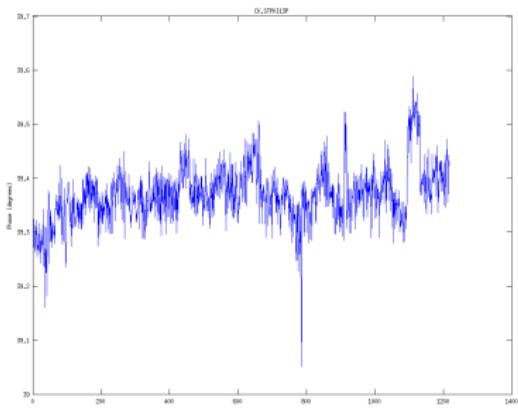
(p) R56@0.45
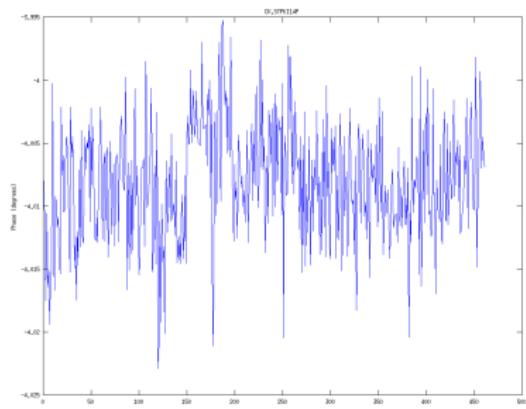
(a) R56@0.2
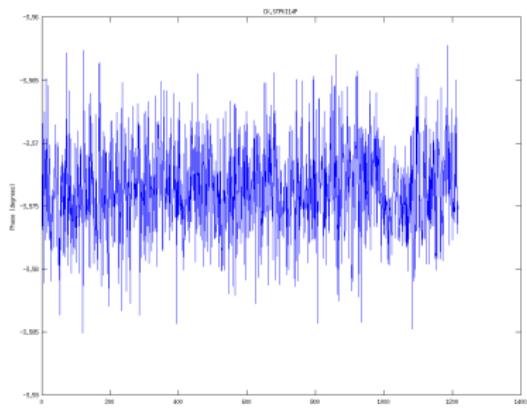
(b) R56@0.45
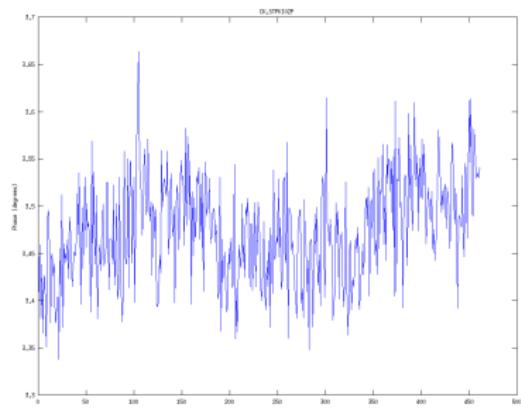
(c) R56@0.2
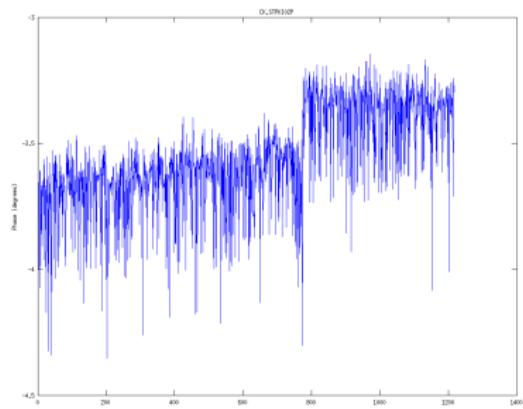
(d) R56@0.45

BPR0475 Vs BPR0290
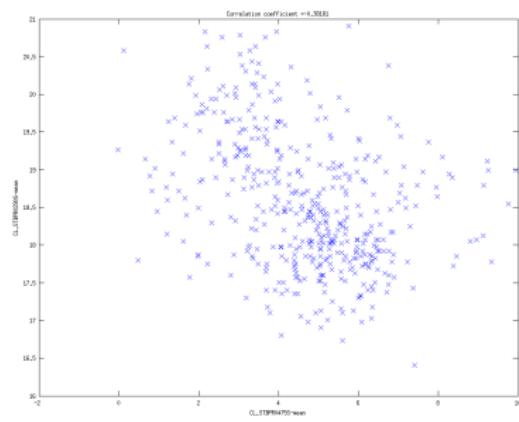
(e) R56@0.2
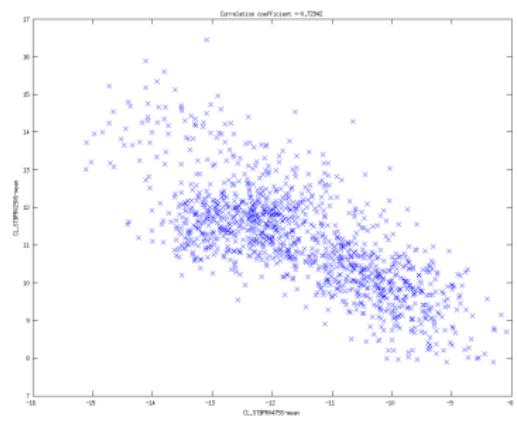
(f) R56@0.45

## BPR0475 Vs BPR0532
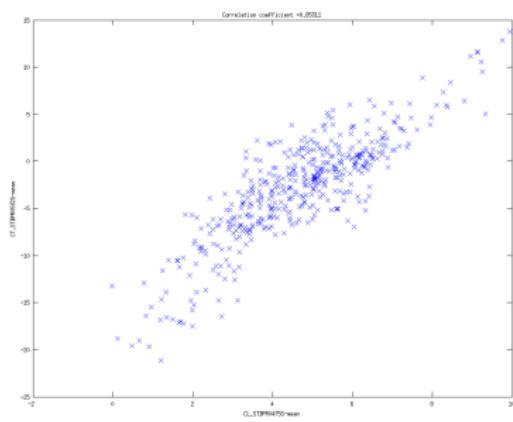
(g) R56@0.2
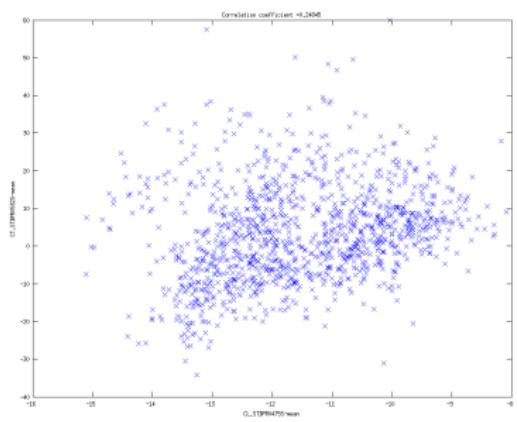
(h) R56@0.45

BPR0532 Vs BPR0290

(i) R56@0.2

(j) R56@0.45