

Movements in - SPEAR3



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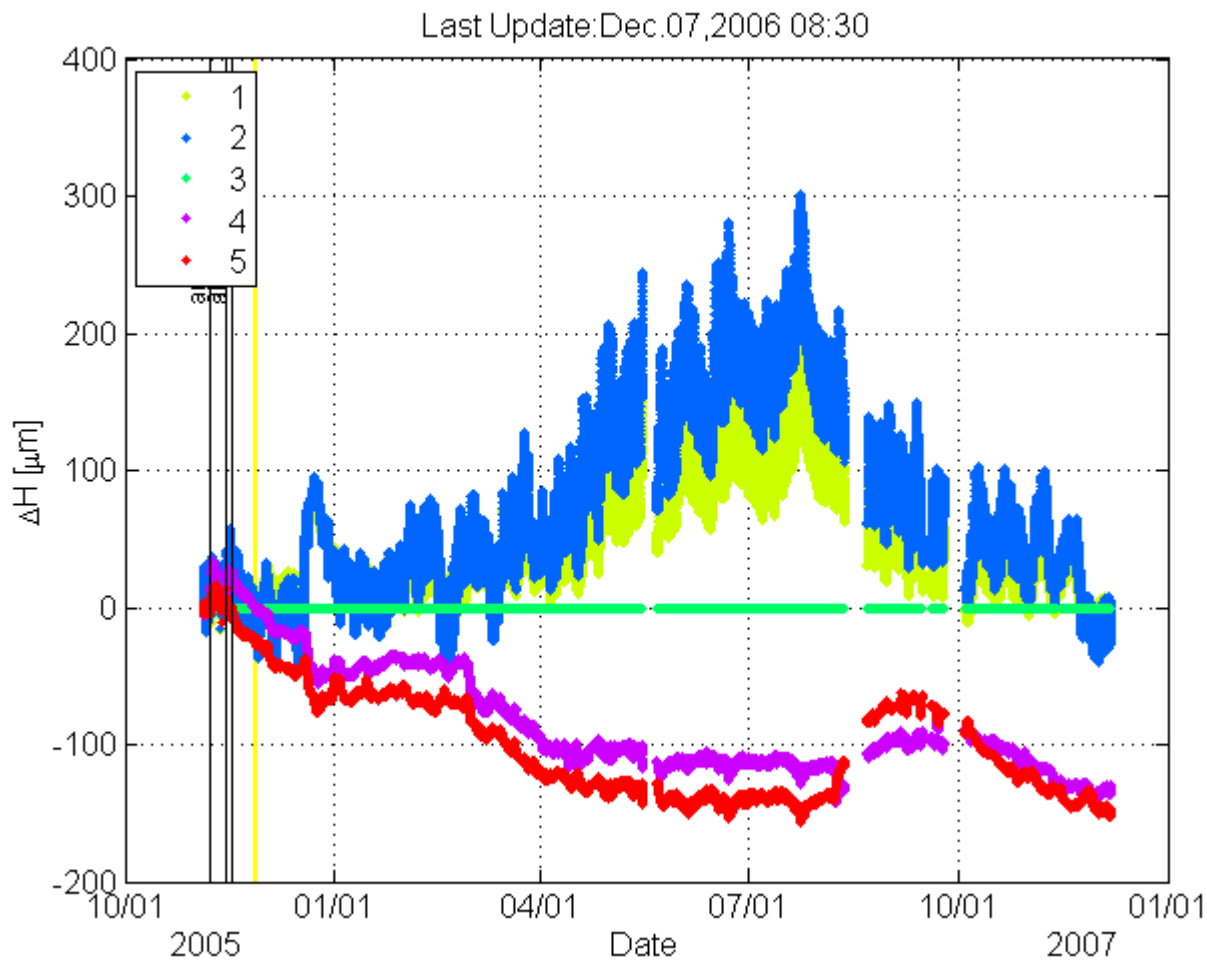


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SLAC intern
GGL, CLC 1

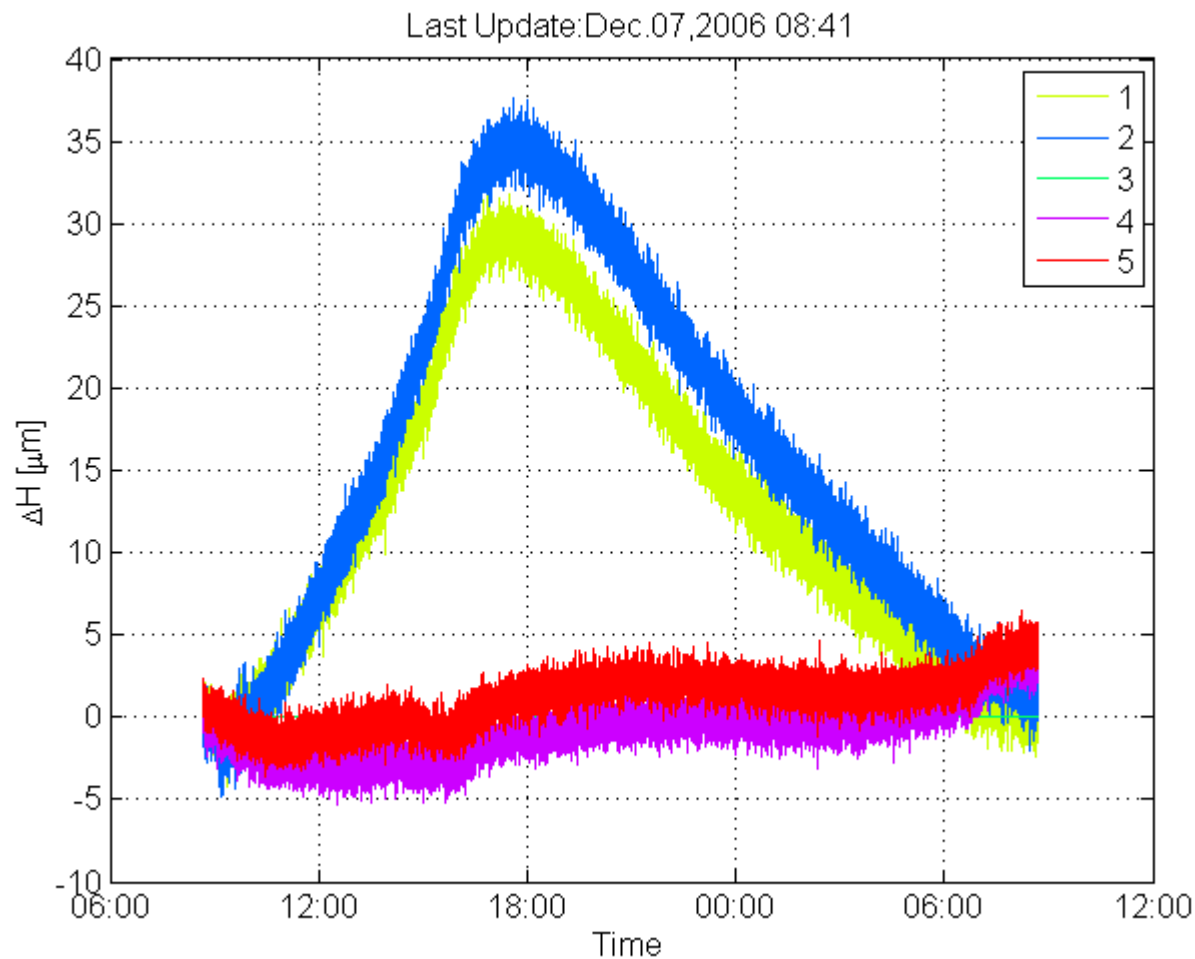
HLS results (1)

- One year of data



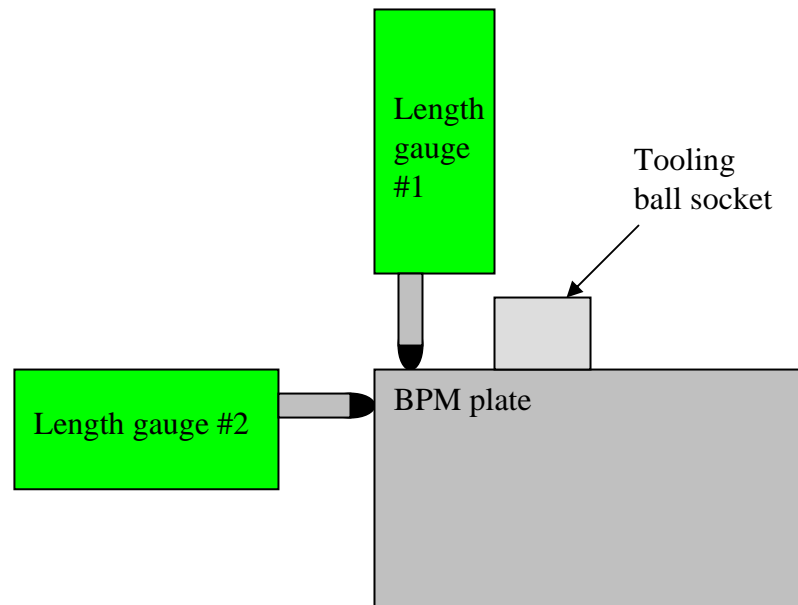
HLS results (2)

- 24h of data



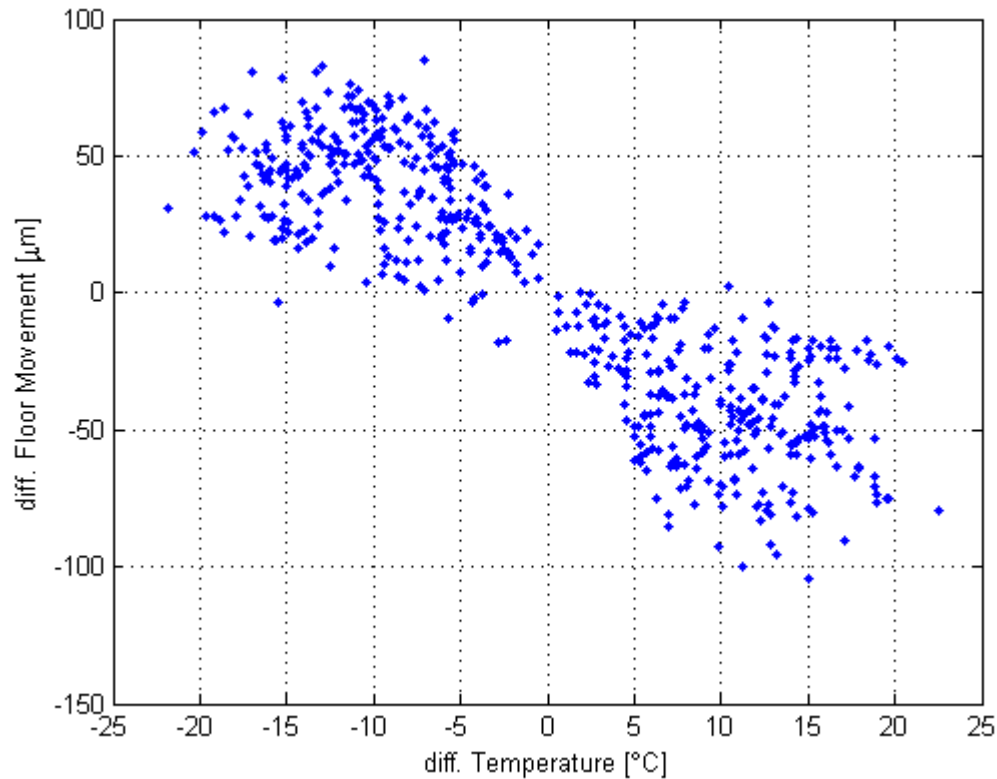
Proposal for additional measurements

- Laser Tracker monitoring system
 - Larger area with 10-15 points at 20 micrometer accuracy
- Length gauges
 - One point with high accuracy (1 micrometer)



Results – Correlation (1)

- Correlation between temperature in Bldg 116 and floor movement (0.87)



Results – Correlation (2)

- Correlation between temperature in Tunnel at BL 5 and floor movement (0.2)

