**Jo-006** Room: C101 Time: June 6 11:03-11:21

On recent trends in the water temperature and the strain at the borehole well of the Yugawara strainmeter station

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We found that there is a strong correlation in variation of the water-temperature with that of the strain at the borehole well of the Yugawara station, which is located in a hot spring region. As long-term trends since 1991 the water-temperature shows a slow rise and the strain shows a steady contraction, whereas as recent trends after the fall of 1998 the former shows a faster rise and the latter shows a flat pattern. The strain change is harmonic with recent temporal changes observed in the surrounding region. There is a possibility that the change of water temperature is caused by opening or closure of water-conduit that can be controlled by regional stress, if some part of the water comes from depths.