## Ec-P022

## Room: Poster

## Paleomagnetism of the Society Islands in French Polynesia

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Reliable paleomagnetic data from the southern hemisphere have not been enough. Paleomagnetic sampling in the Society Islands, the Southern Pacific, was carried out at about 130 sites in 1997 from 6 islands. The major objectives are to obtain a number of reliable paleomagnetic directions and to discuss paleosecular variation in the Society area.

Thermal demagnetization was applied and then primary components were extracted from most samples. As a result, 68 normal, 39 reversed, and 10 intermediate field directions were measured. The angular standard deviation is calculated to be 14.7 deg from the normal and reversed sites (N=107). This value is similar to that of Tahiti (13.9 deg) and the global trend calculated from DGRF 1965. As a result, ASD in this area is 14-15 deg about past 5Ma.