

11th July 1958
General Delivery
Wailuku, Maui, Hawaii

Mr. Robert Pyle
6117 Radford Drive
Seattle 15, Washington

Dear Bob:

Recently I secured a copy of Conrad & Pollak from Honolulu. Apparently I returned your book before I understood the whole job. We never did get any of the time phase angles. All those angles plotted as time in the reprint I sent to you, are really just the A_n of the analysis. The final step of changing these into time phase angle as shown on page 144 of Conrad is now being undertaken.

We now have three full years of data at Kolo Kolo all analysed month by month. This allows us some margin to average over and provides an idea of the internal scatter of a given month from year to year. When the final harmonic dials are all in good order I'll see that you receive a set.

There is one operation we forgot to include. It is Lamont's correction for noncyclic linear drift due to change of seasons, creep of bellows, etc., described on page 137. We passed over it because on most of the monthly averages it is too small to be detectable. However on a few months there was a small discontinuity at midnight. I expect to pick out the worst month and make the correction, and rework the harmonic analysis. If the new values are quite similar to the old, then no fear need be had as to errors from this oversight.

The difference in amplitude of 24 hour component between Kolo Kolo and saddle instruments is real and continuing.

Best regards,


Grote Reber