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To Terry Webb <T.Webb@gns.cri.nz>
cc

13/10/2011 10:57

Subject Fwd: Aftershock info for Geonet website.

Hi Terry,

Here is an email I sent of Sept 10 to Richard Smith that includes probabilities of M>6

On Thu, 09 Sep 2010 17:01:50 Matthew Gerstenberger <m.gerstenberger@gns.cri.nz> wrote to Richard.Smith@dia.govt.nz, k.berryman@gns.cri.nz, Bronwyn Davies <B.Davies@gns.cri.nz>:
> Hi Kelvin and Richard,
>
> Attached is some detail about aftershocks that is intended to go on the
> Geonet page in addition to the press release we are working on with
John
> Callan. It is intended for people who are searching out extra
information
> about the aftershocks (and have been calling Geonet, etc.). The social
> science recommendation is that we should be providing what we know in
> terms of some basic numbers. Although we, as scientists, are well
aware
> that more M5s are likely to come, we do not want the occurrence of two
> more in the next week to be a surprise to the public.
>
> The .doc are some words that will go in as an initial explanation and
will
> later be linked to the data.
>
> The Table is not properly formatted at this point and is to show the
> information we would provide. We plan to update the table daily, e.g.
the
> probability of M>6 will 7% by tomorrow.
>
> The figure is an example of what we are considering, but we may go
without
> figures (this is the one from the press release). The caption is:
> This graphic shows the modelled number of aftershocks of magnitude 5
and
> greater per day for the next month following the magnitude 7.1 Darfield
> earthquake. The black line is what scientists have modelled as the
average
> daily expected number of aftershocks.
>
> On most days, the number of magnitude 5 or larger aftershocks should
fall
> within the blue shaded area. The yellow stars show the number of actual
> aftershocks on each of the first five days following the main shock. In
the
> next seven days the model forecasts roughly two aftershocks of
magnitude
> five or greater.
>
> (the number of observed earthquakes on the first day needs to be
reduced to
> 4 in the figure after Geonet updated the catalogue today)
>
> Thanks,
>
> Matt & Annemarie

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