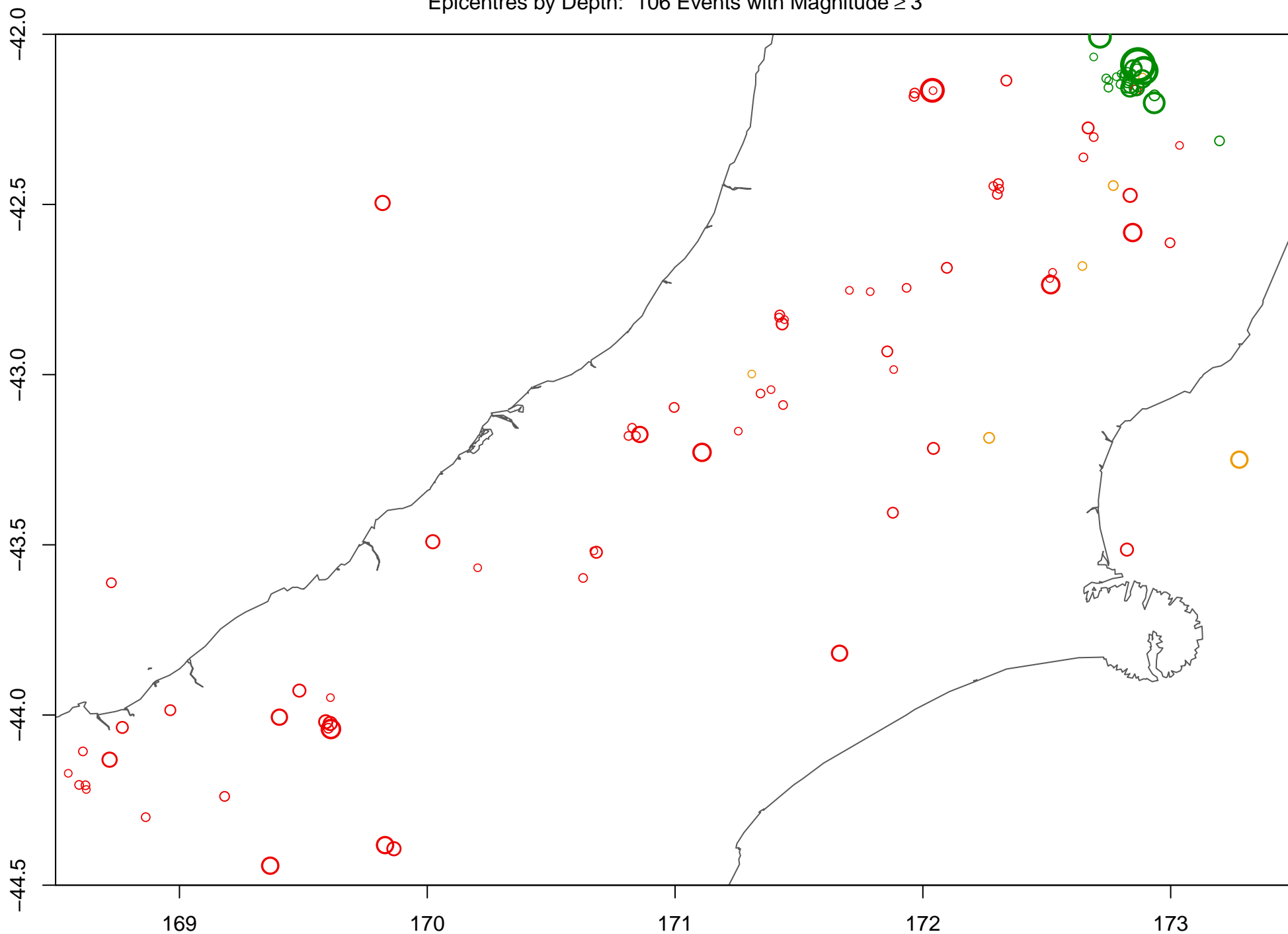


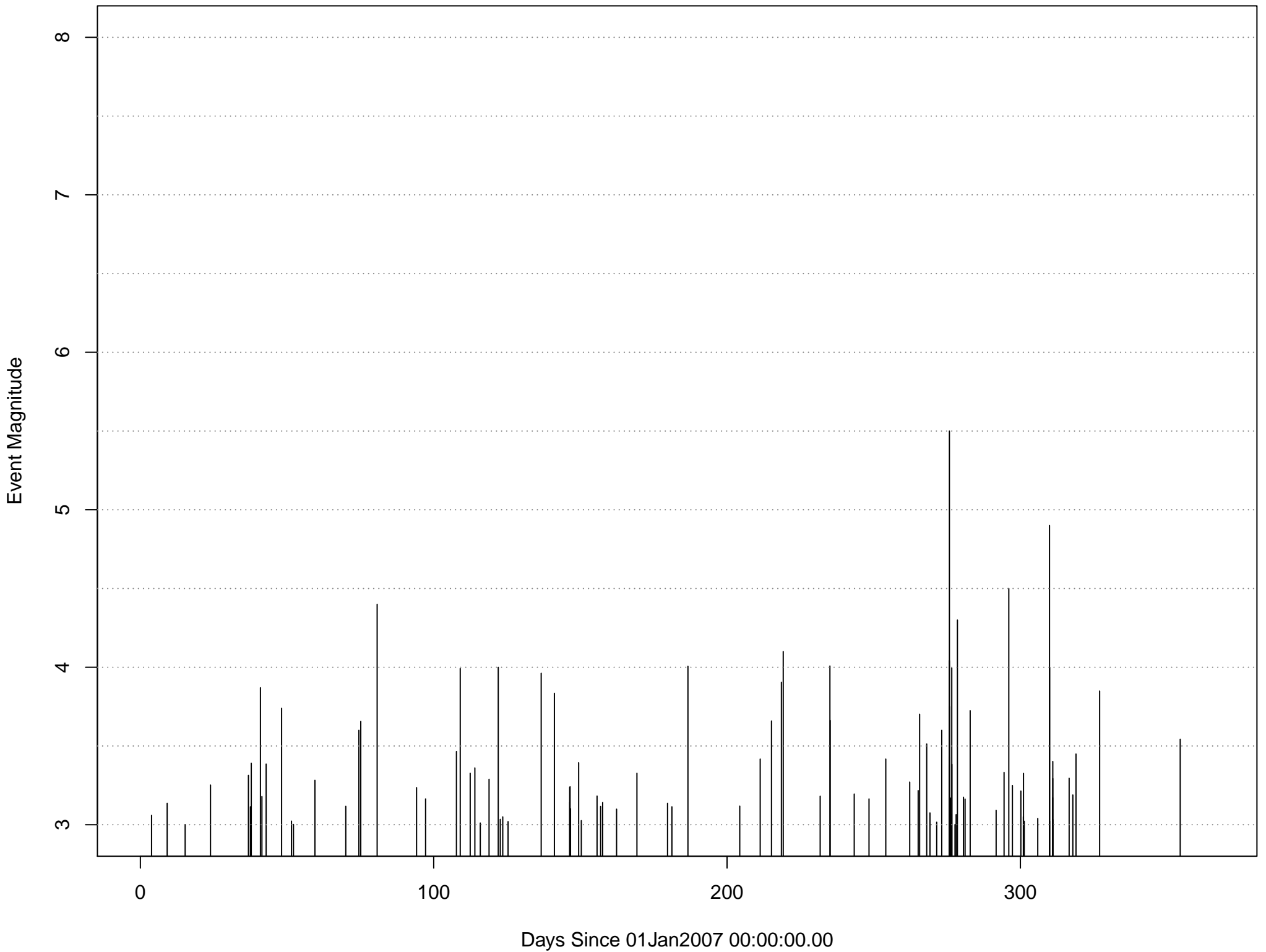
Catalogued Events in Westland–Canterbury NZ During 2007

Epicentres by Depth: 106 Events with Magnitude ≥ 3



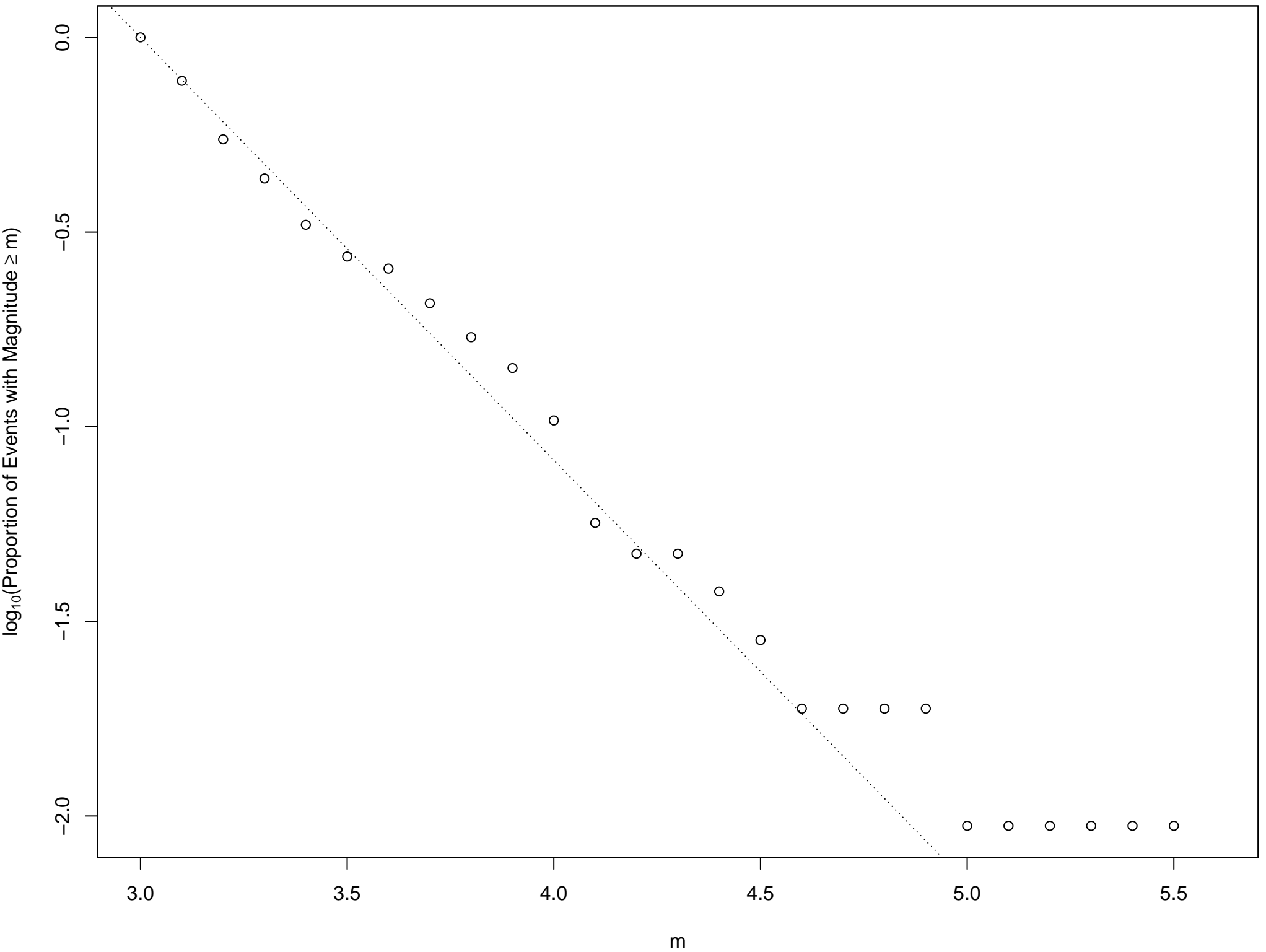
Depth (km): $0 \leq \text{red} \leq 20 < \text{orange} \leq 40 < \text{green} \leq 100 < \text{cyan} \leq 200 < \text{blue} < \infty$

Catalogued Events in Westland–Canterbury NZ During 2007



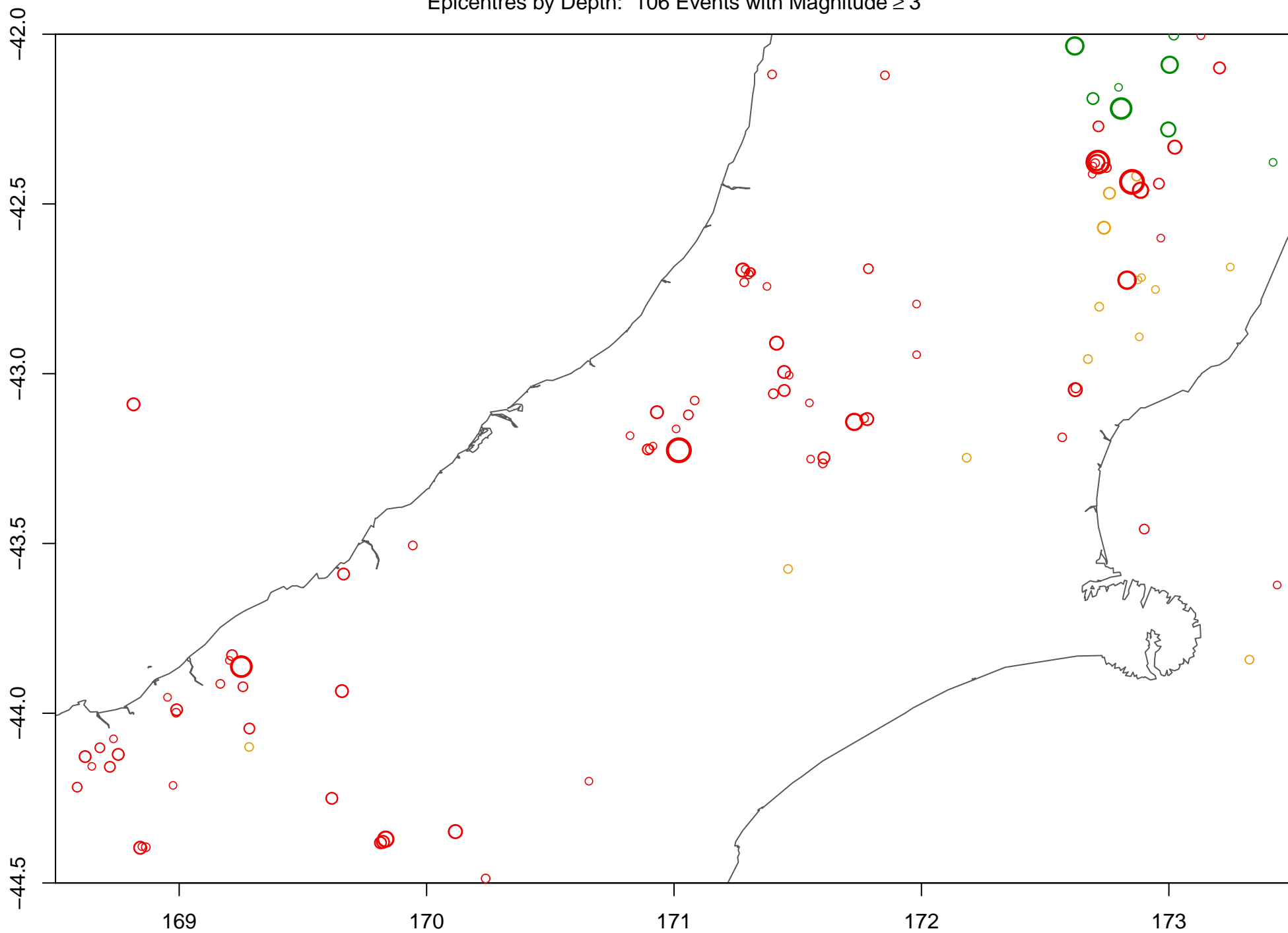
Catalogued Events in Westland–Canterbury NZ During 2007

Gutenberg–Richter Relationship: b -value = 1.09

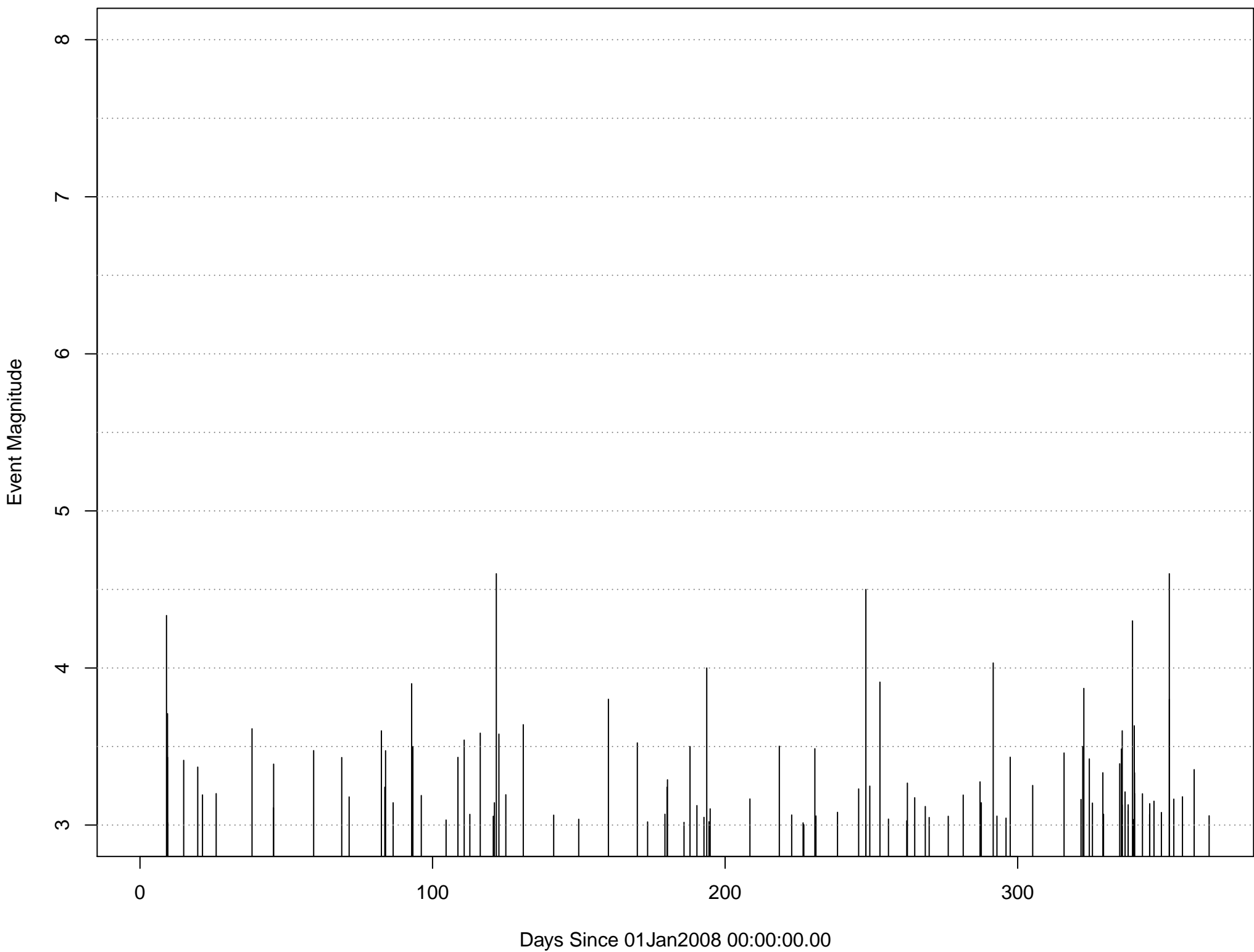


Catalogued Events in Westland–Canterbury NZ During 2008

Epicentres by Depth: 106 Events with Magnitude ≥ 3

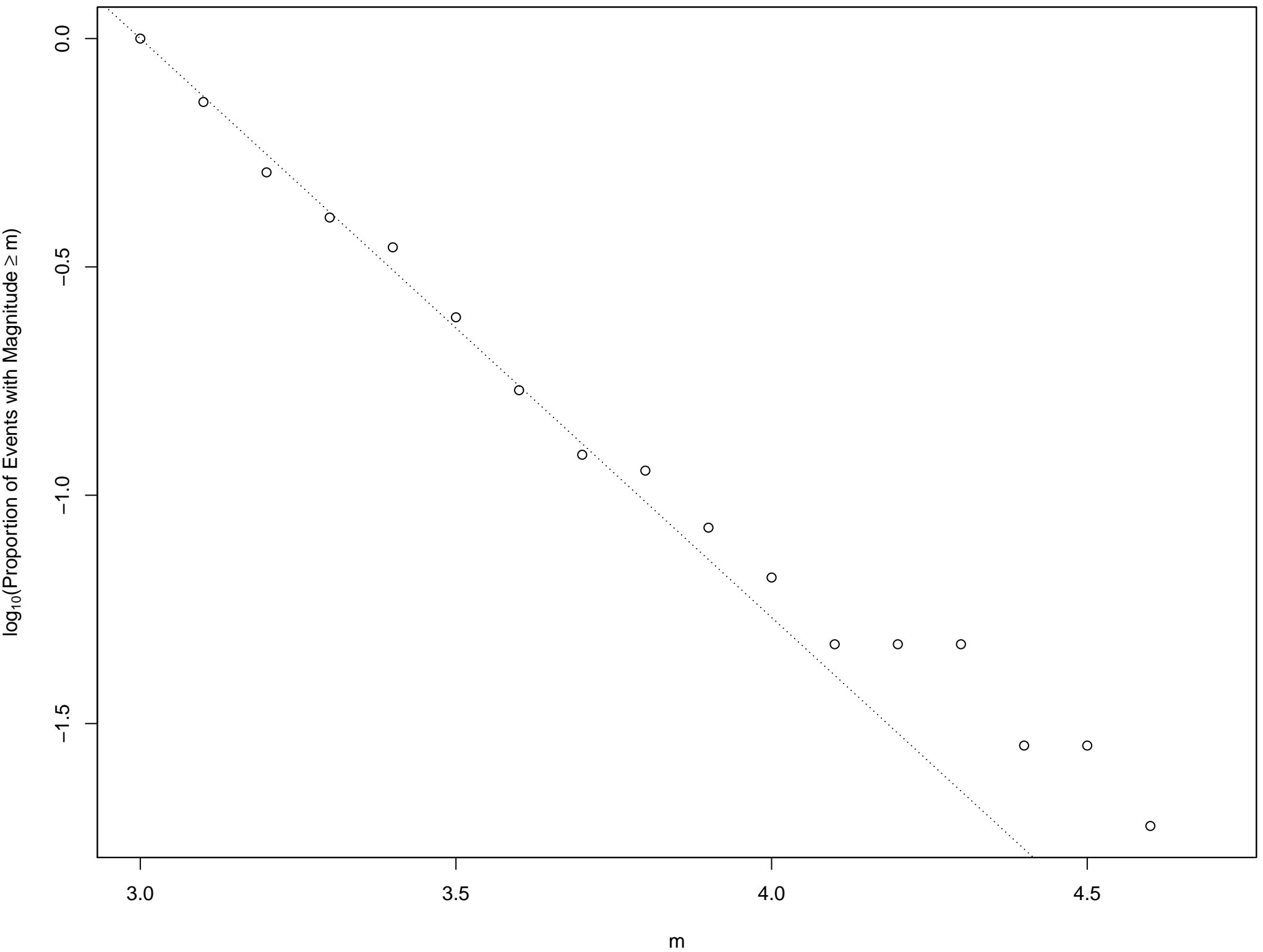


Catalogued Events in Westland–Canterbury NZ During 2008



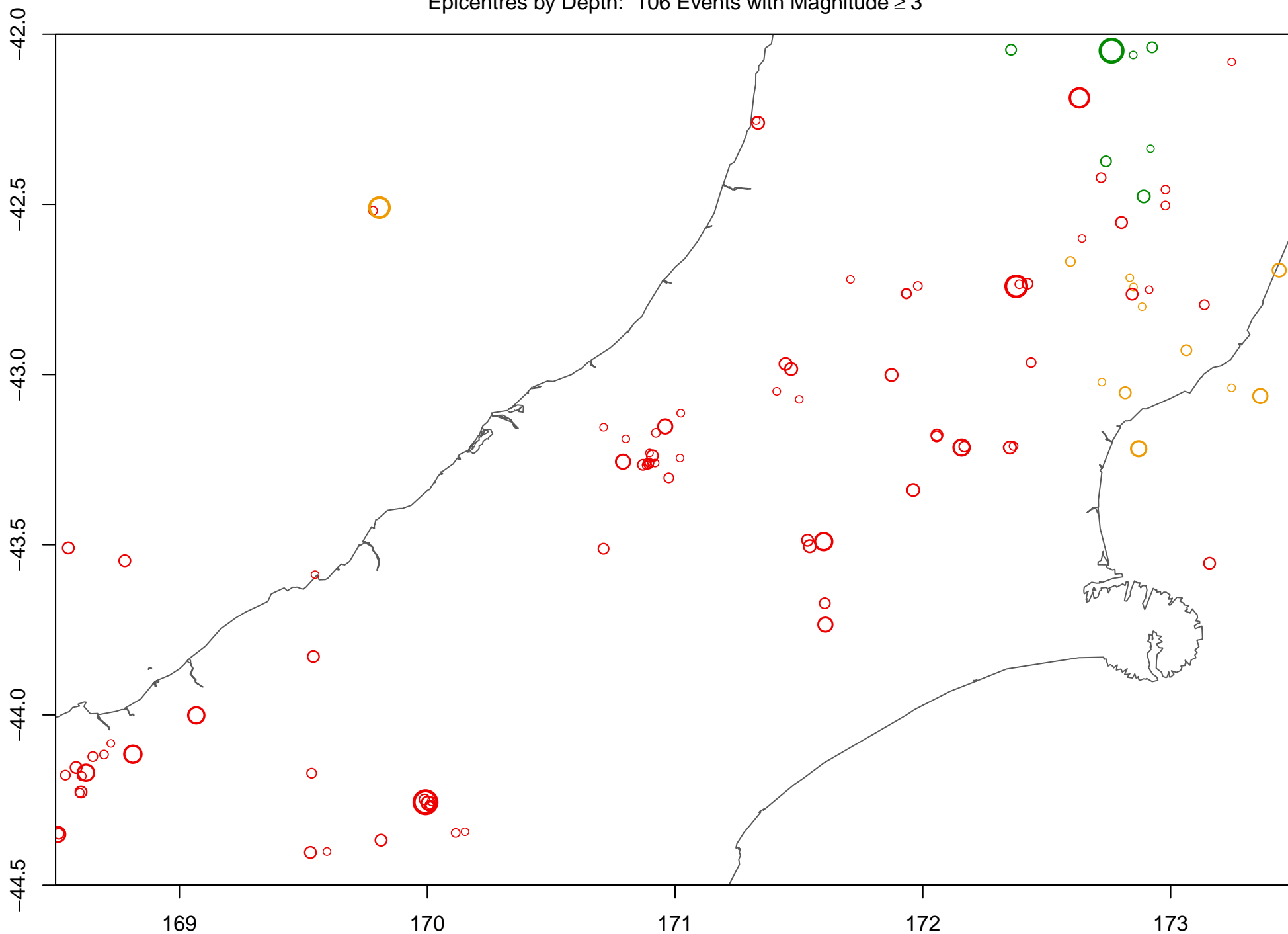
Catalogued Events in Westland–Canterbury NZ During 2008

Gutenberg–Richter Relationship: b-value = 1.27



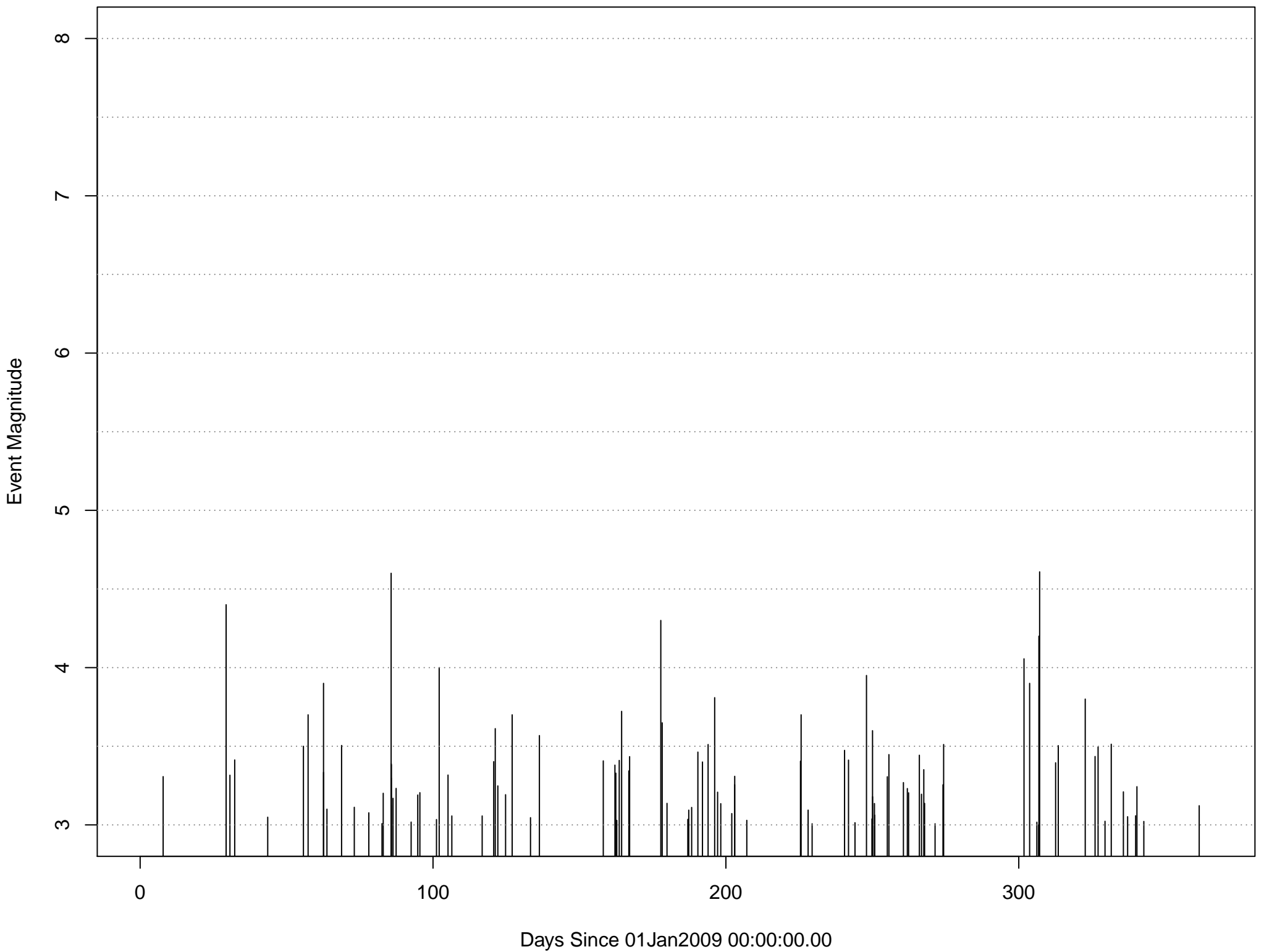
Catalogued Events in Westland–Canterbury NZ During 2009

Epicentres by Depth: 106 Events with Magnitude ≥ 3



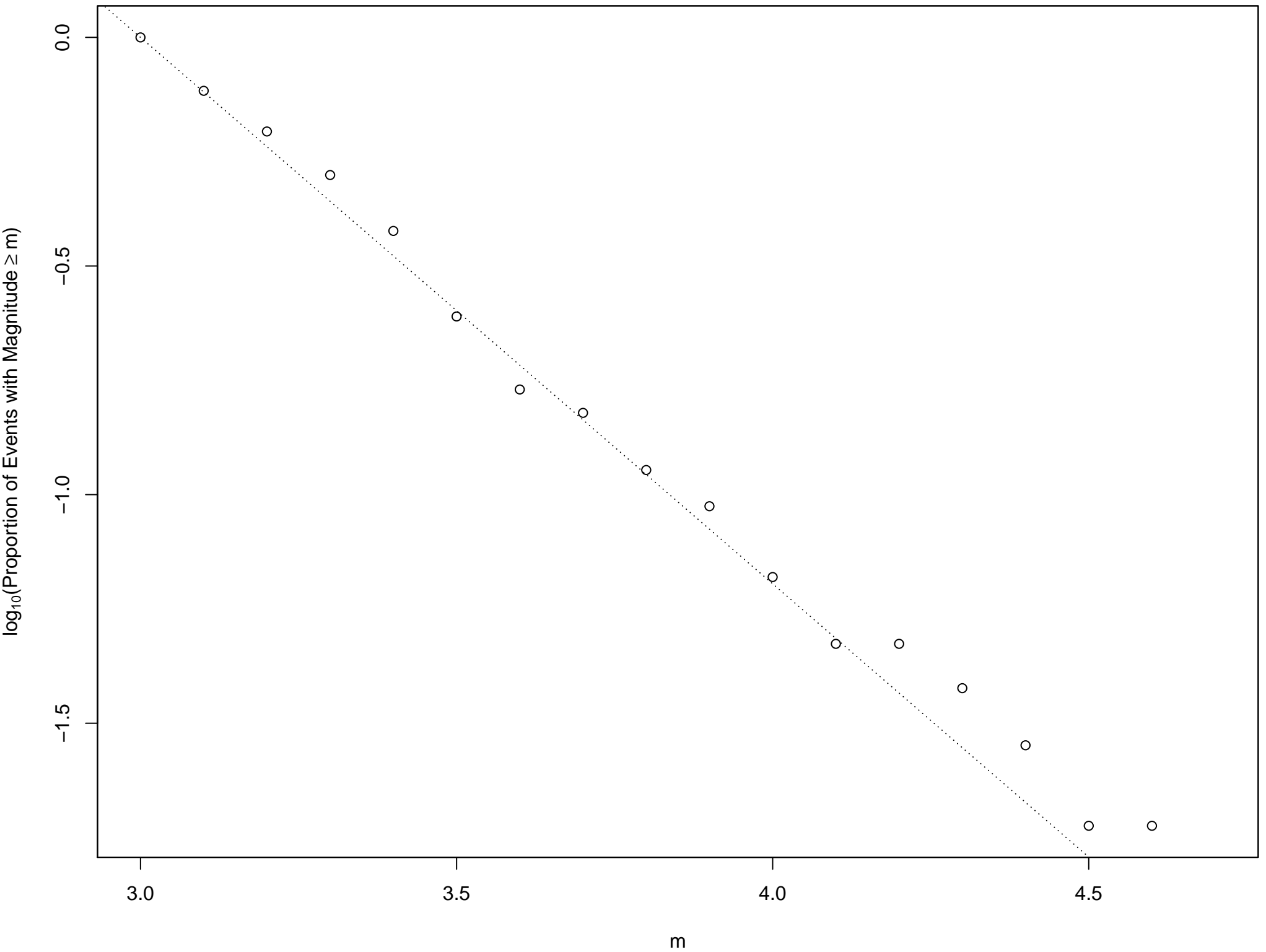
Depth (km): $0 \leq \text{red} \leq 20 < \text{orange} \leq 40 < \text{green} \leq 100 < \text{cyan} \leq 200 < \text{blue} < \infty$

Catalogued Events in Westland–Canterbury NZ During 2009



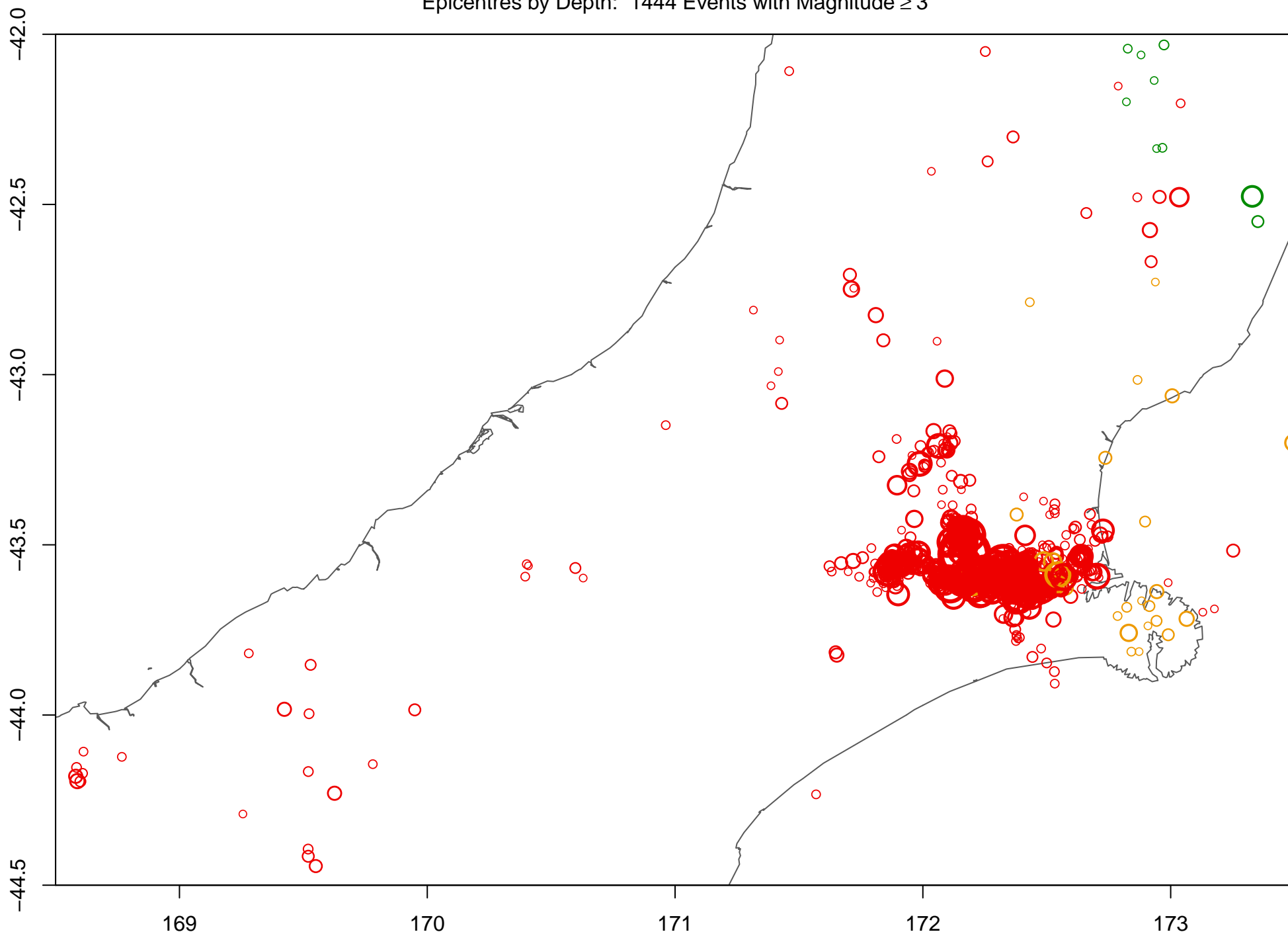
Catalogued Events in Westland–Canterbury NZ During 2009

Gutenberg–Richter Relationship: b -value = 1.20



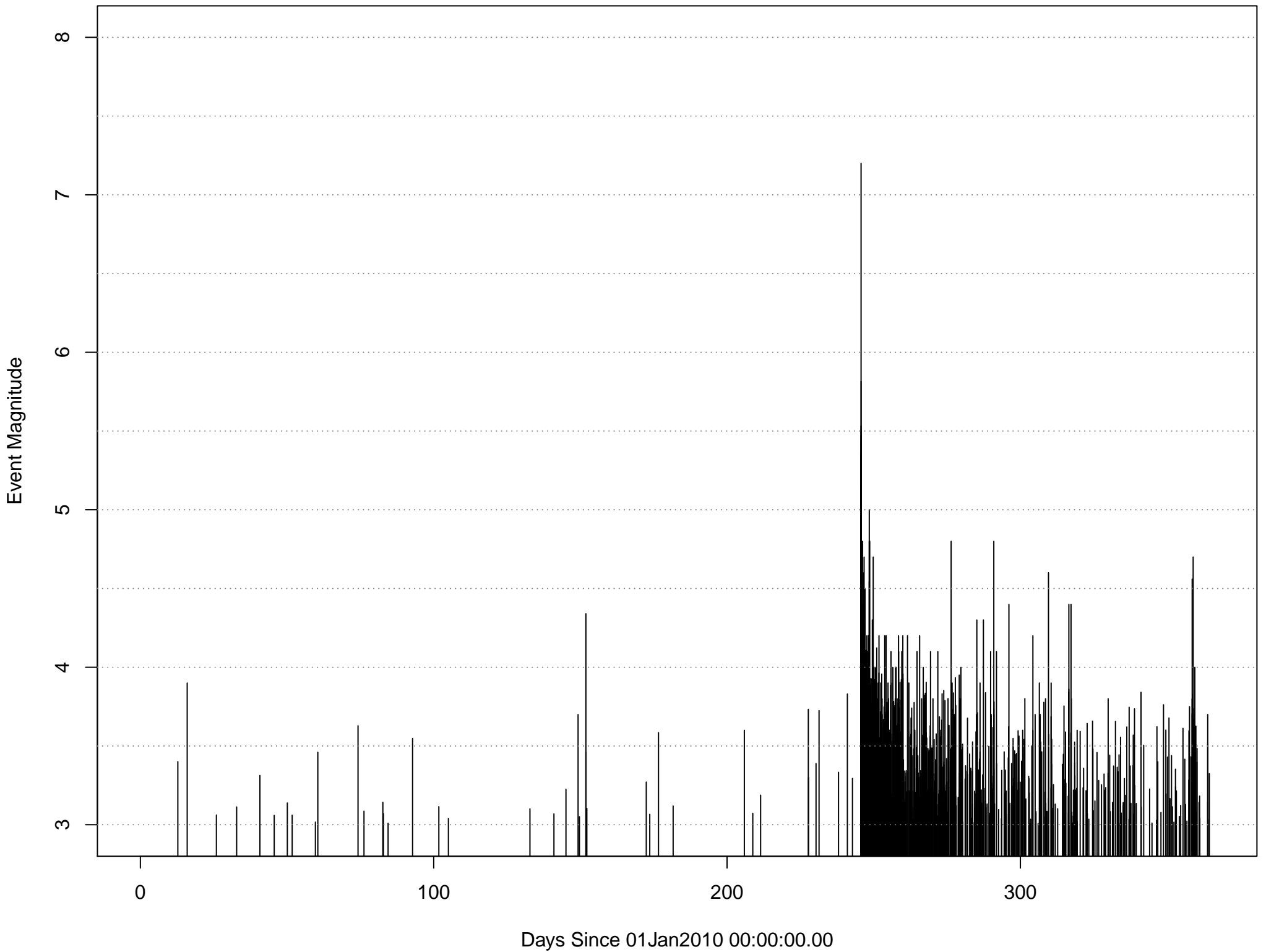
Catalogued Events in Westland–Canterbury NZ During 2010

Epicentres by Depth: 1444 Events with Magnitude ≥ 3



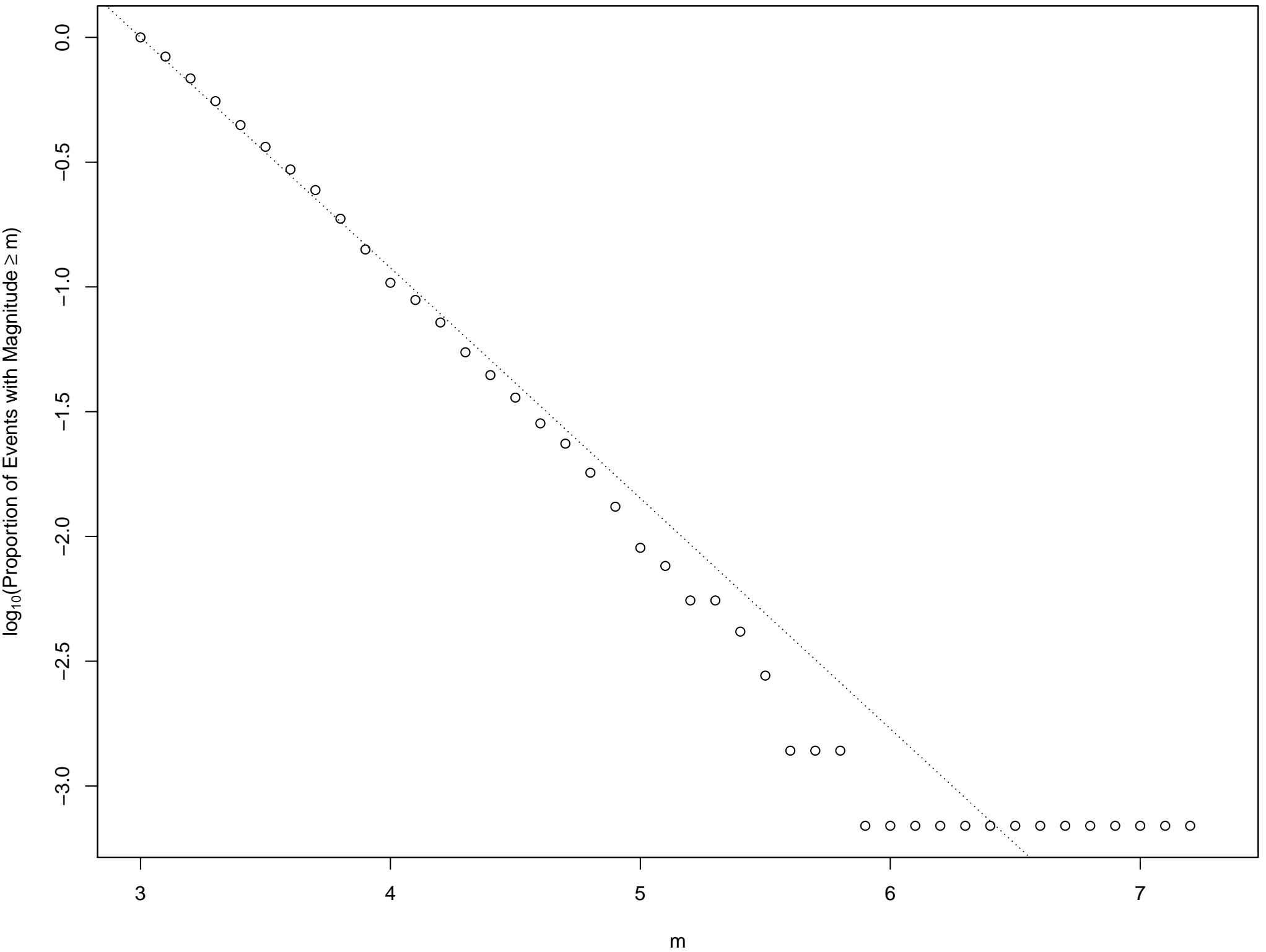
Depth (km): $0 \leq \text{red} \leq 20 < \text{orange} \leq 40 < \text{green} \leq 100 < \text{cyan} \leq 200 < \text{blue} < \infty$

Catalogued Events in Westland–Canterbury NZ During 2010



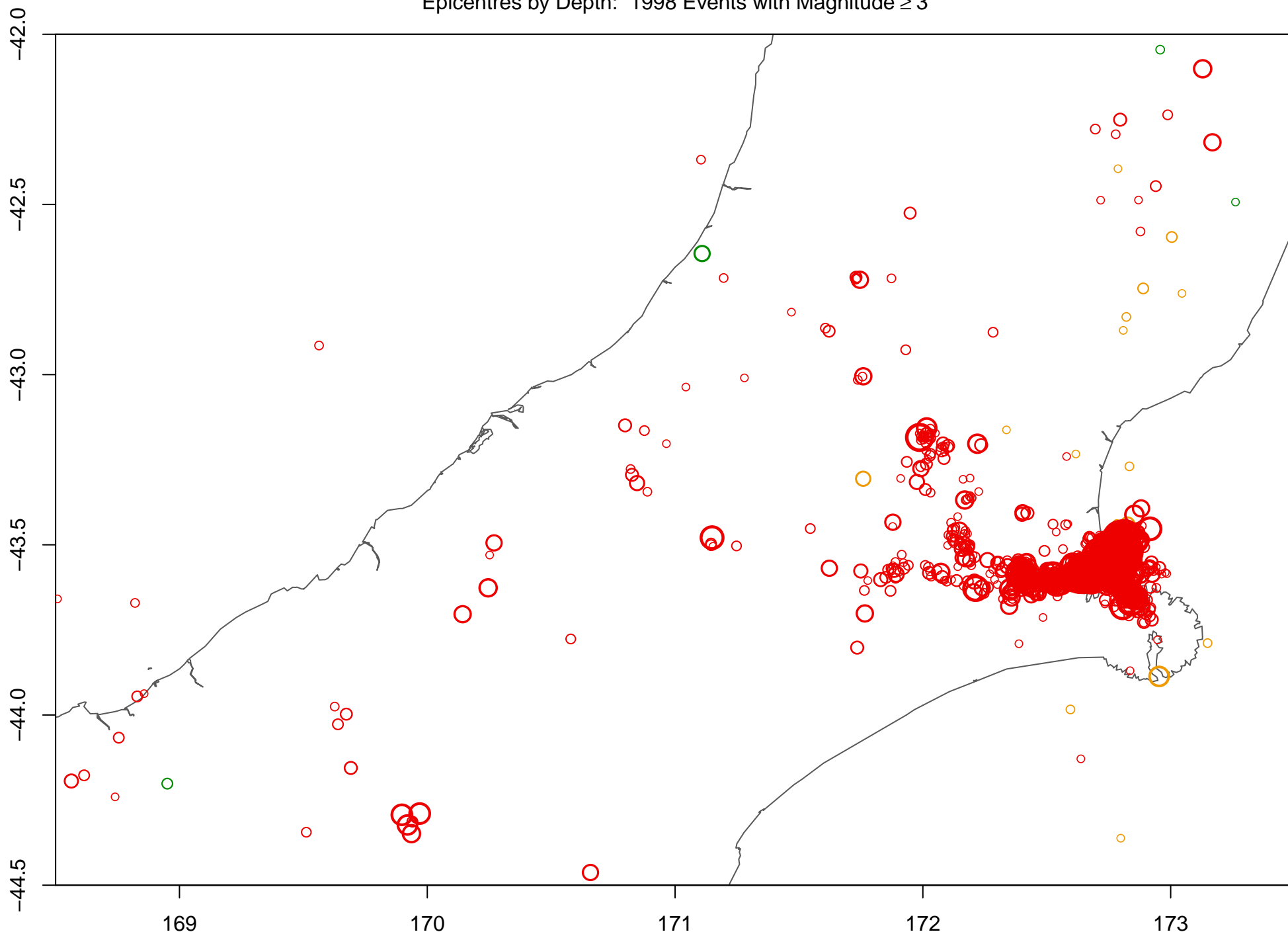
Catalogued Events in Westland–Canterbury NZ During 2010

Gutenberg–Richter Relationship: b -value = 0.92



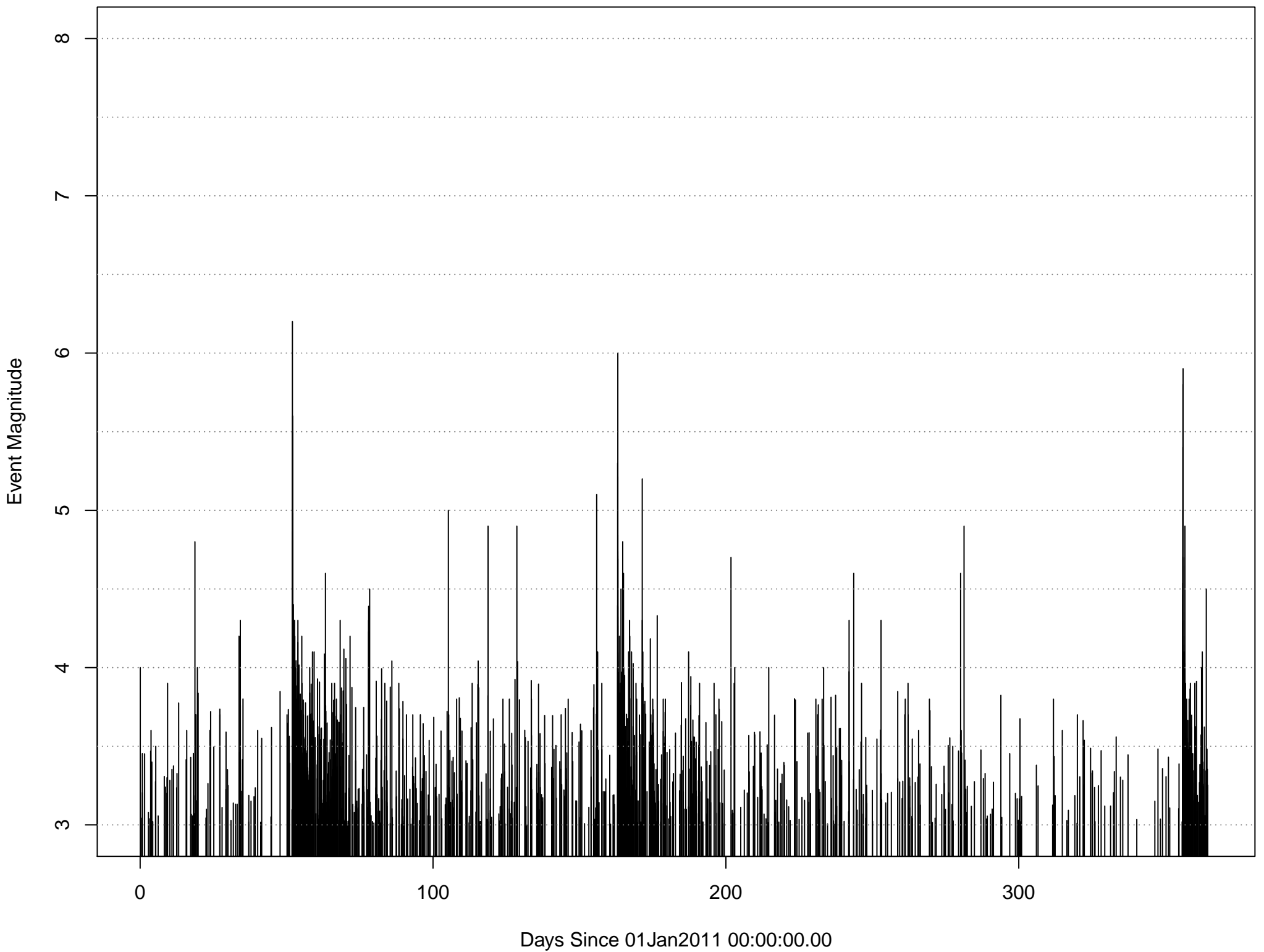
Catalogued Events in Westland–Canterbury NZ During 2011

Epicentres by Depth: 1998 Events with Magnitude ≥ 3



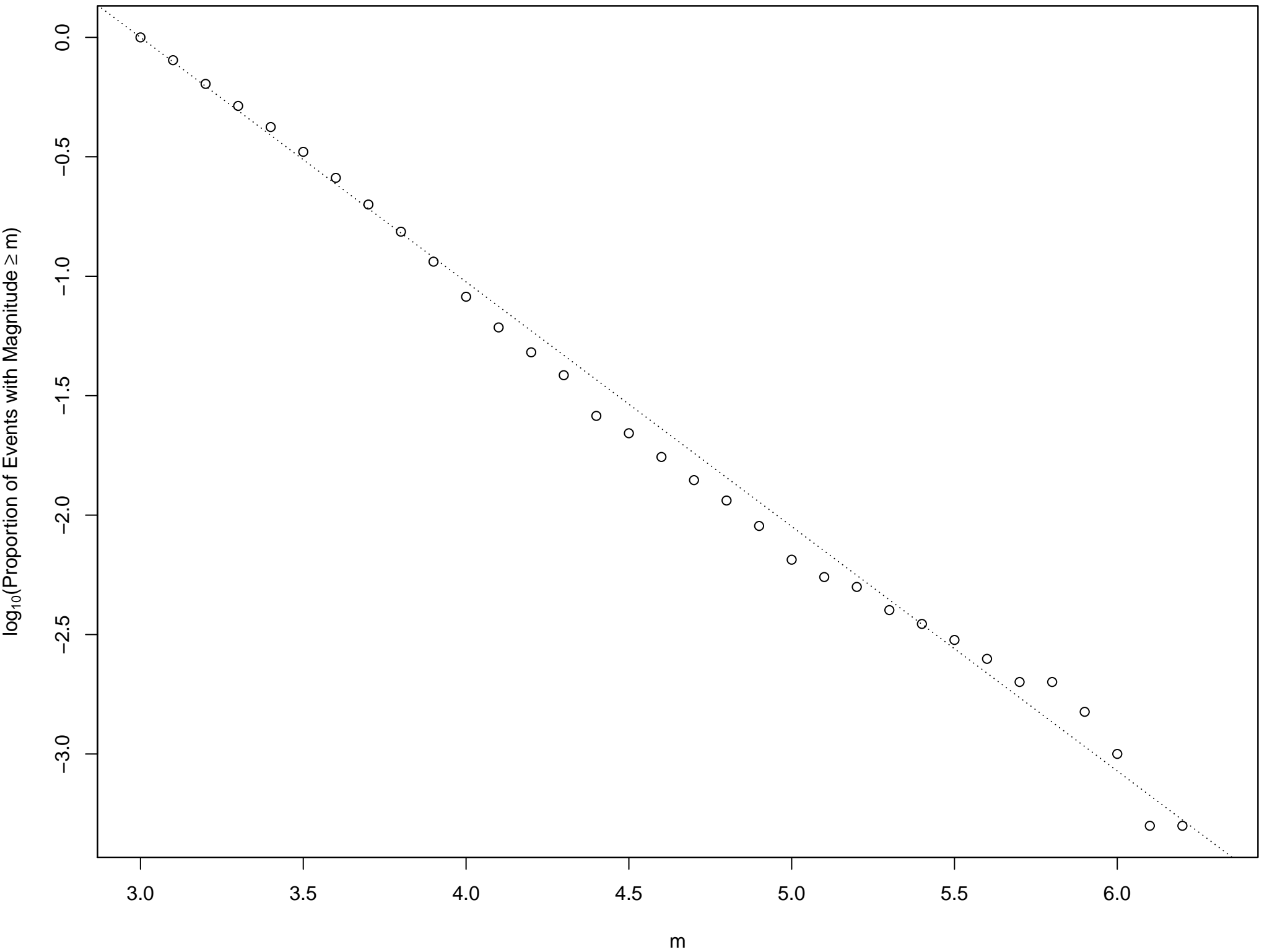
Depth (km): $0 \leq \text{red} \leq 20 < \text{orange} \leq 40 < \text{green} \leq 100 < \text{cyan} \leq 200 < \text{blue} < \infty$

Catalogued Events in Westland–Canterbury NZ During 2011



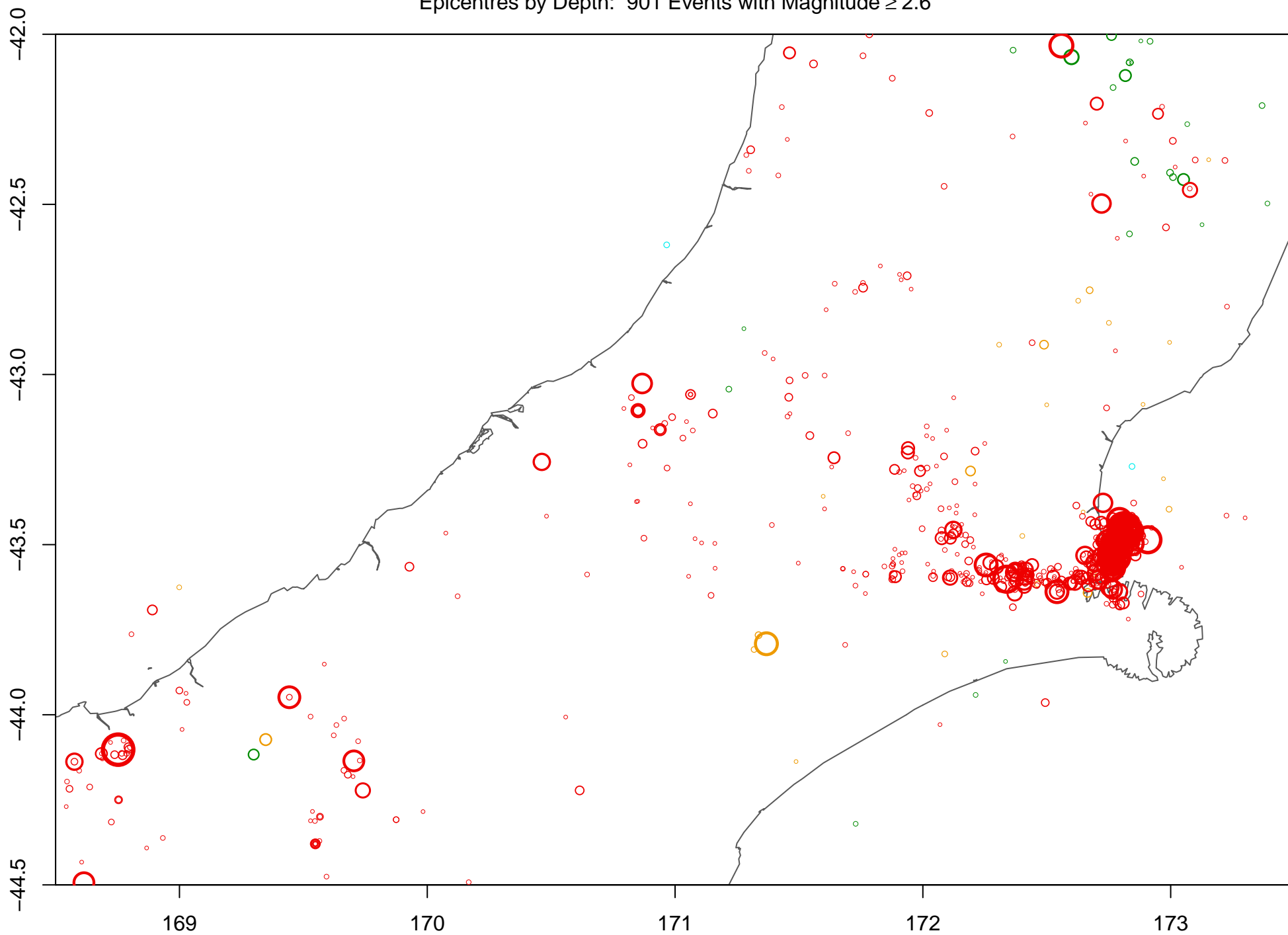
Catalogued Events in Westland–Canterbury NZ During 2011

Gutenberg–Richter Relationship: b -value = 1.02



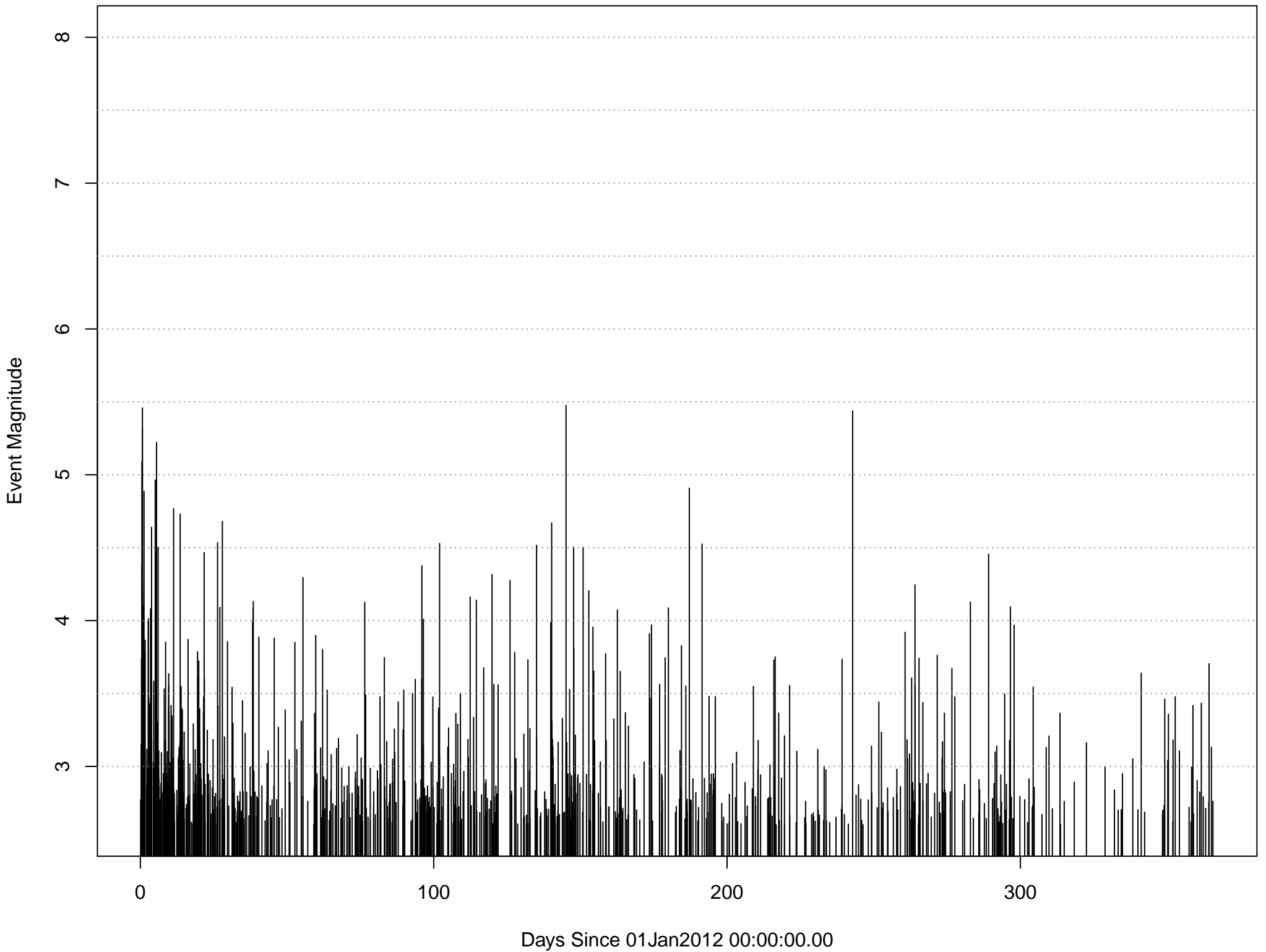
Catalogued Events in Westland–Canterbury NZ During 2012

Epicentres by Depth: 901 Events with Magnitude ≥ 2.6



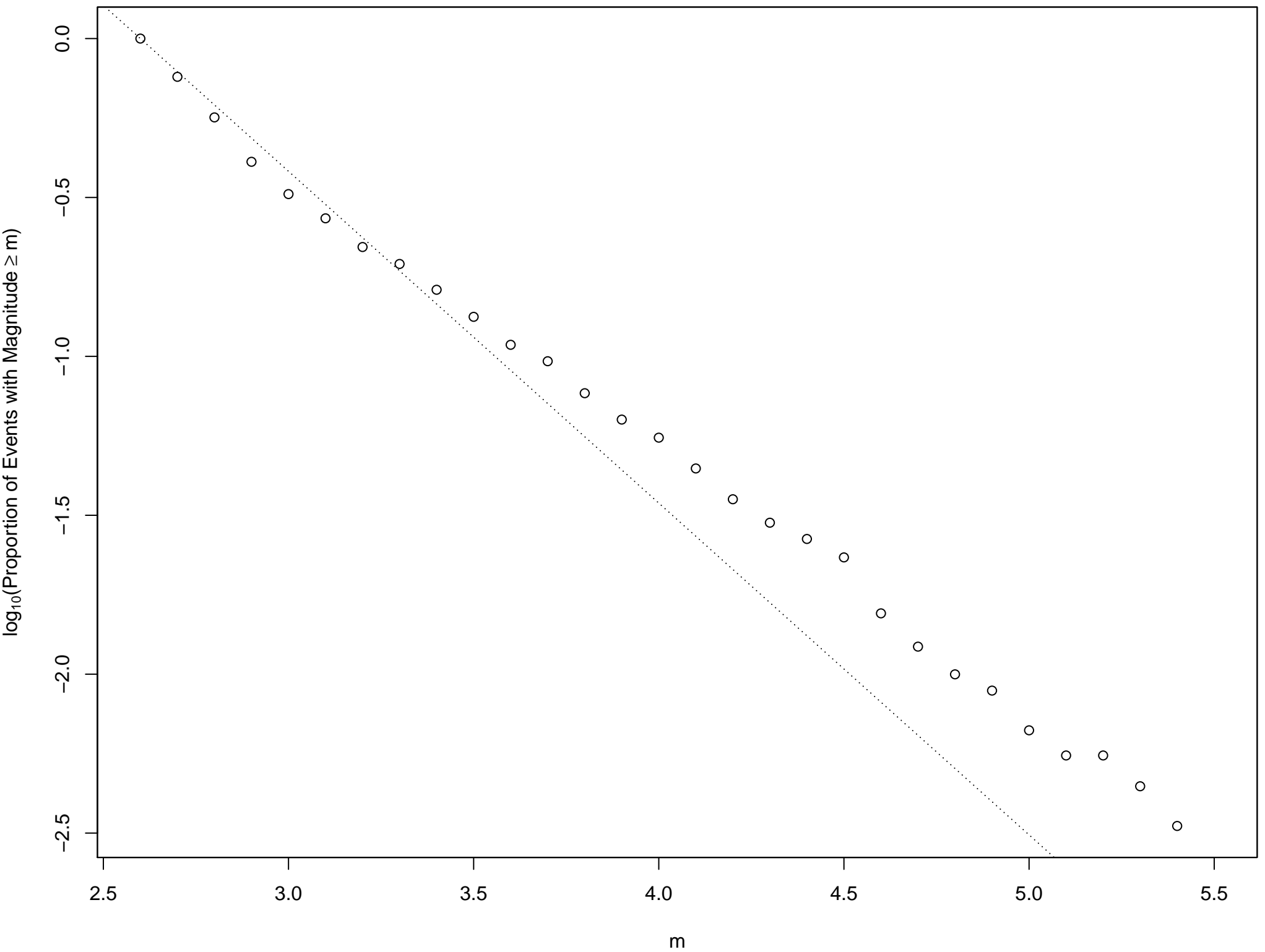
Depth (km): $0 \leq \text{red} \leq 20 < \text{orange} \leq 40 < \text{green} \leq 100 < \text{cyan} \leq 200 < \text{blue} < \infty$

Catalogued Events in Westland–Canterbury NZ During 2012



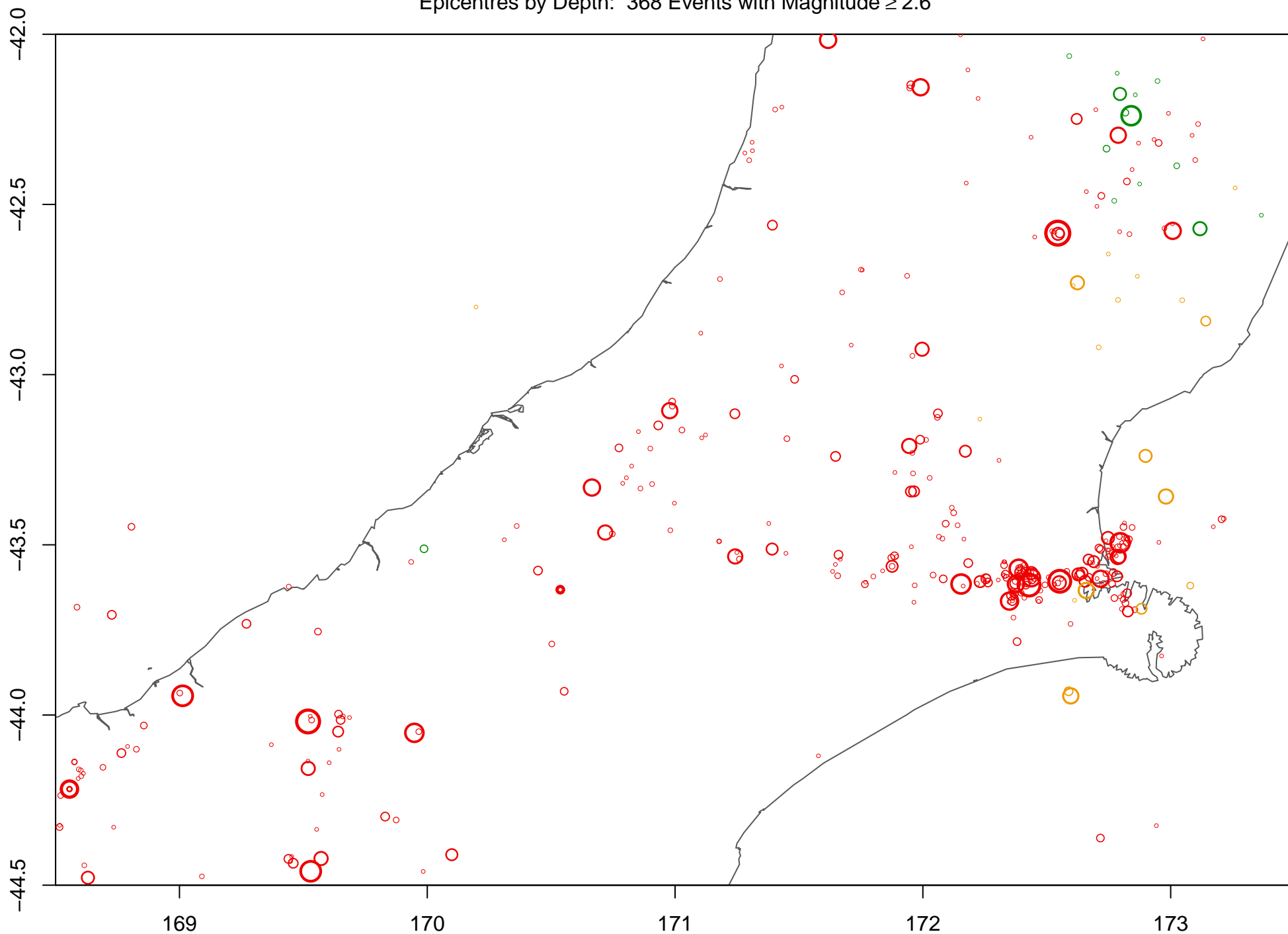
Catalogued Events in Westland–Canterbury NZ During 2012

Gutenberg–Richter Relationship: b-value = 1.04



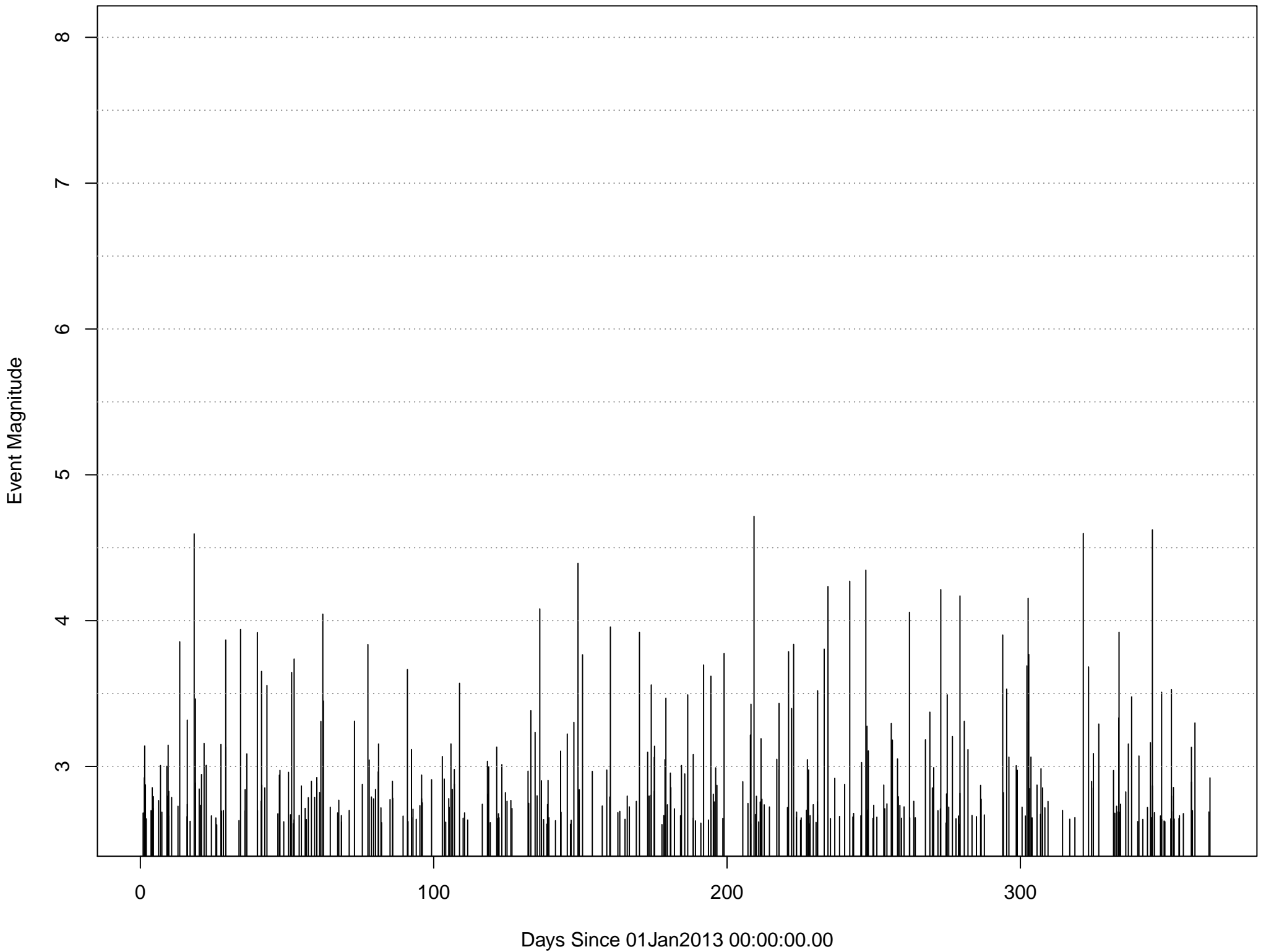
Catalogued Events in Westland–Canterbury NZ During 2013

Epicentres by Depth: 368 Events with Magnitude ≥ 2.6



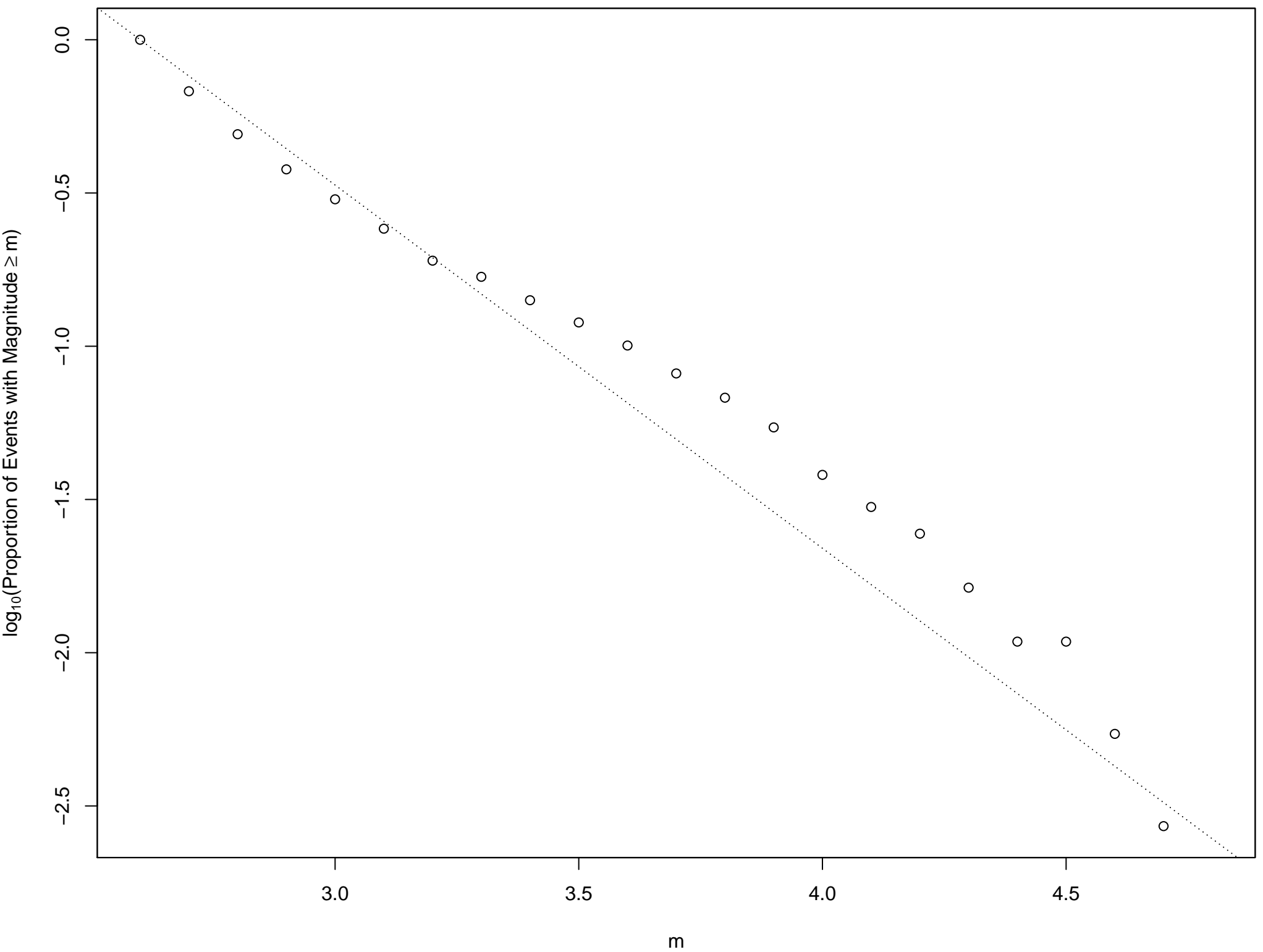
Depth (km): $0 \leq \text{red} \leq 20 < \text{orange} \leq 40 < \text{green} \leq 100 < \text{cyan} \leq 200 < \text{blue} < \infty$

Catalogued Events in Westland–Canterbury NZ During 2013



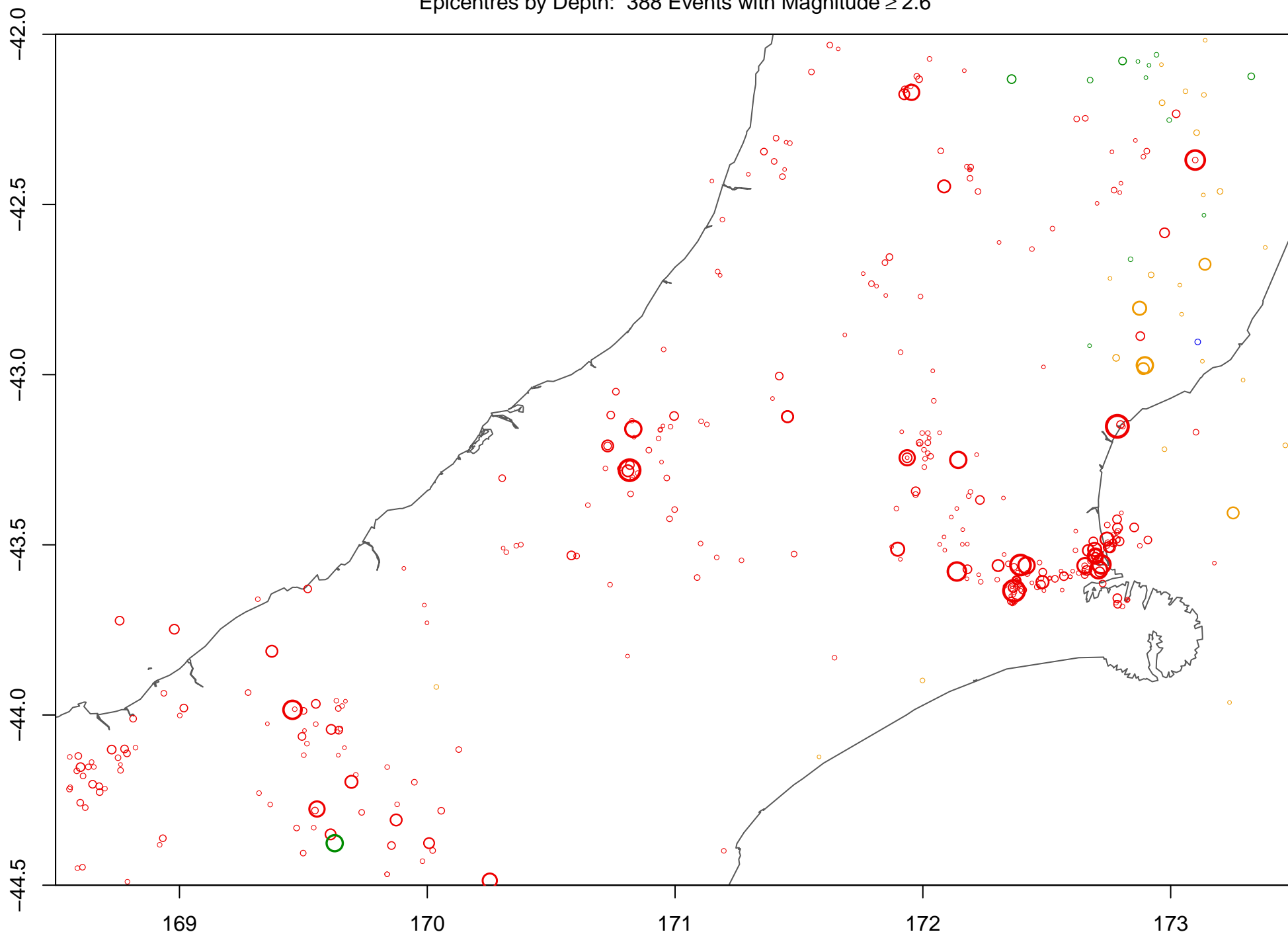
Catalogued Events in Westland–Canterbury NZ During 2013

Gutenberg–Richter Relationship: b-value = 1.19



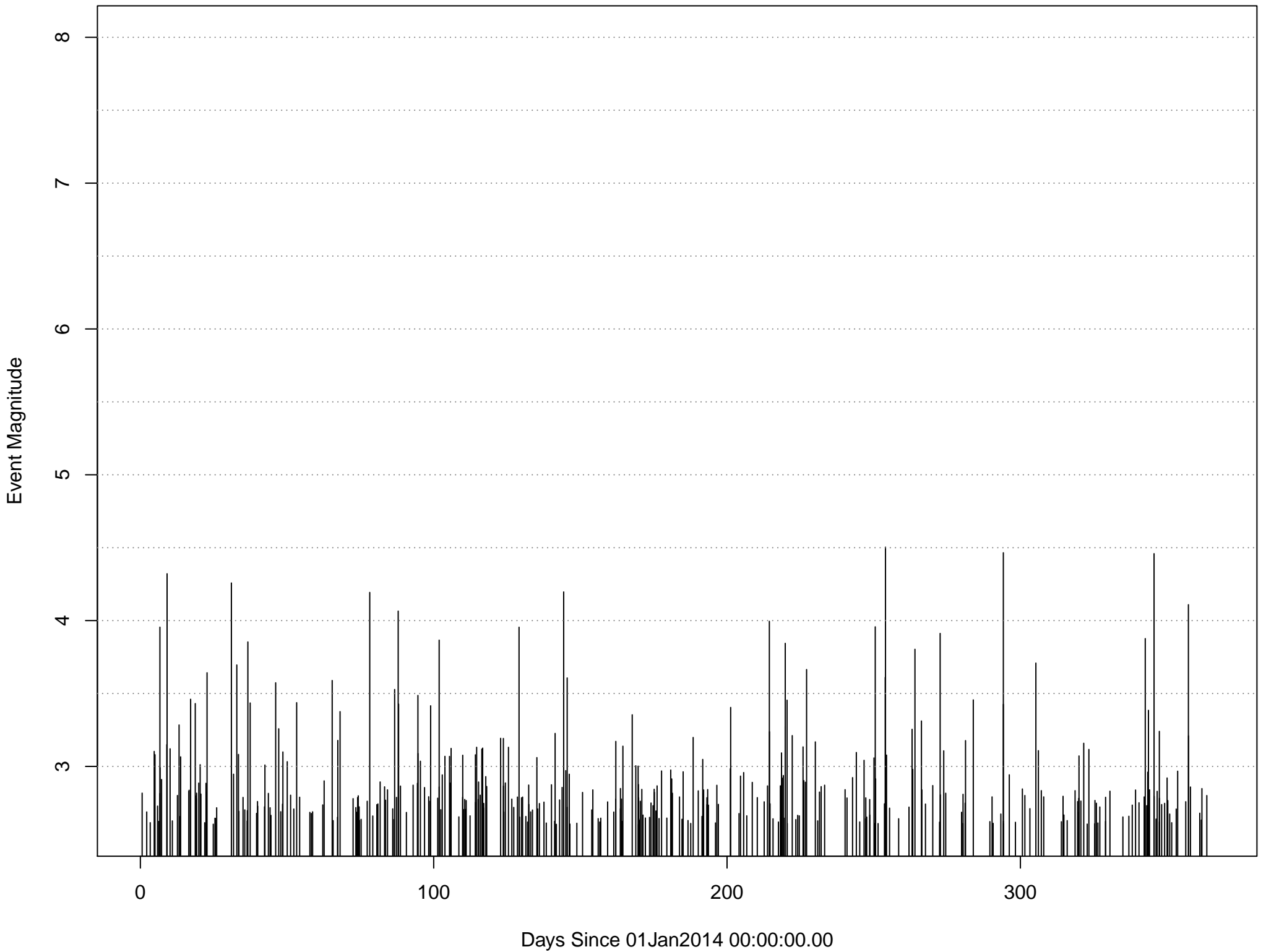
Catalogued Events in Westland–Canterbury NZ During 2014

Epicentres by Depth: 388 Events with Magnitude ≥ 2.6



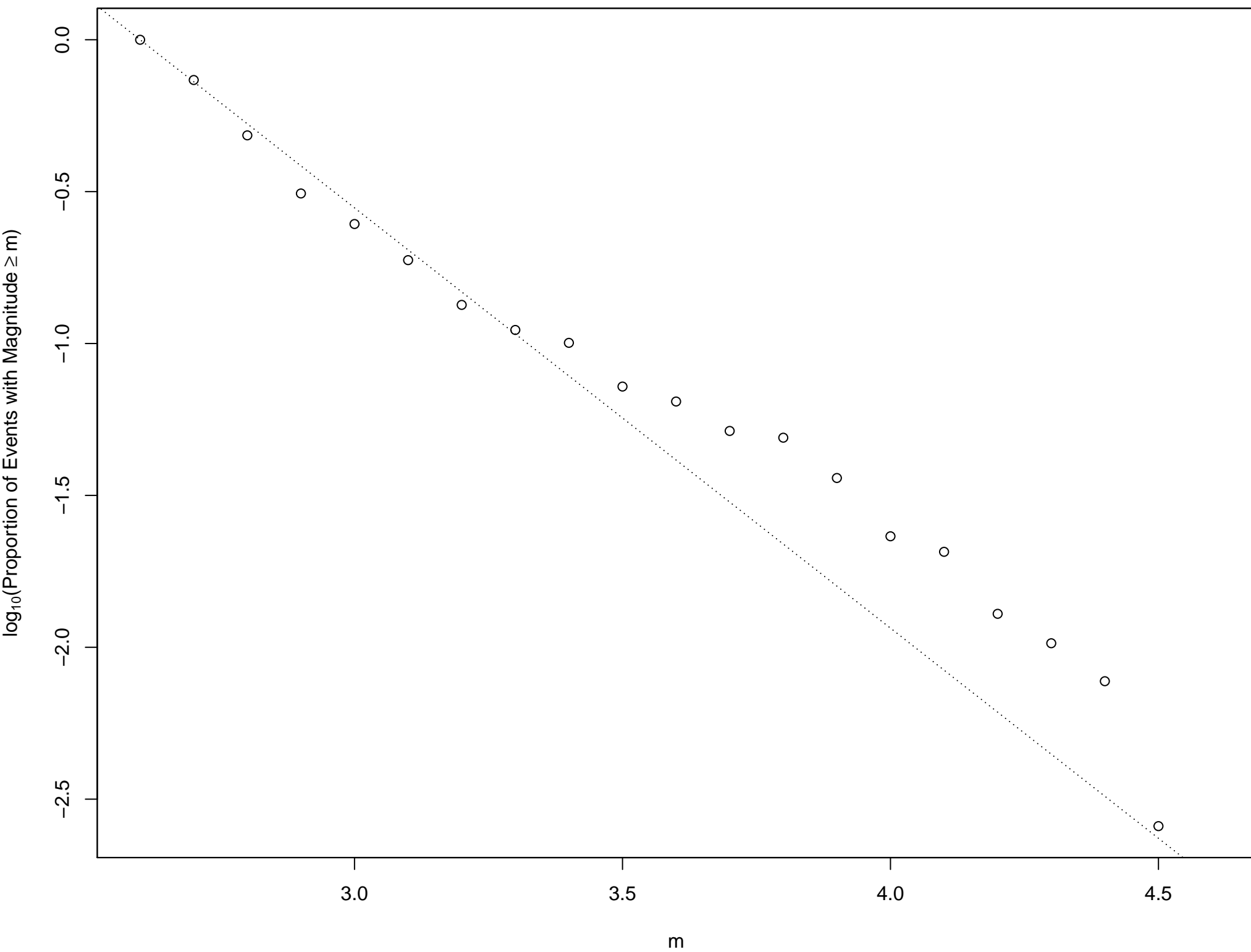
Depth (km): $0 \leq \text{red} \leq 20 < \text{orange} \leq 40 < \text{green} \leq 100 < \text{cyan} \leq 200 < \text{blue} < \infty$

Catalogued Events in Westland–Canterbury NZ During 2014



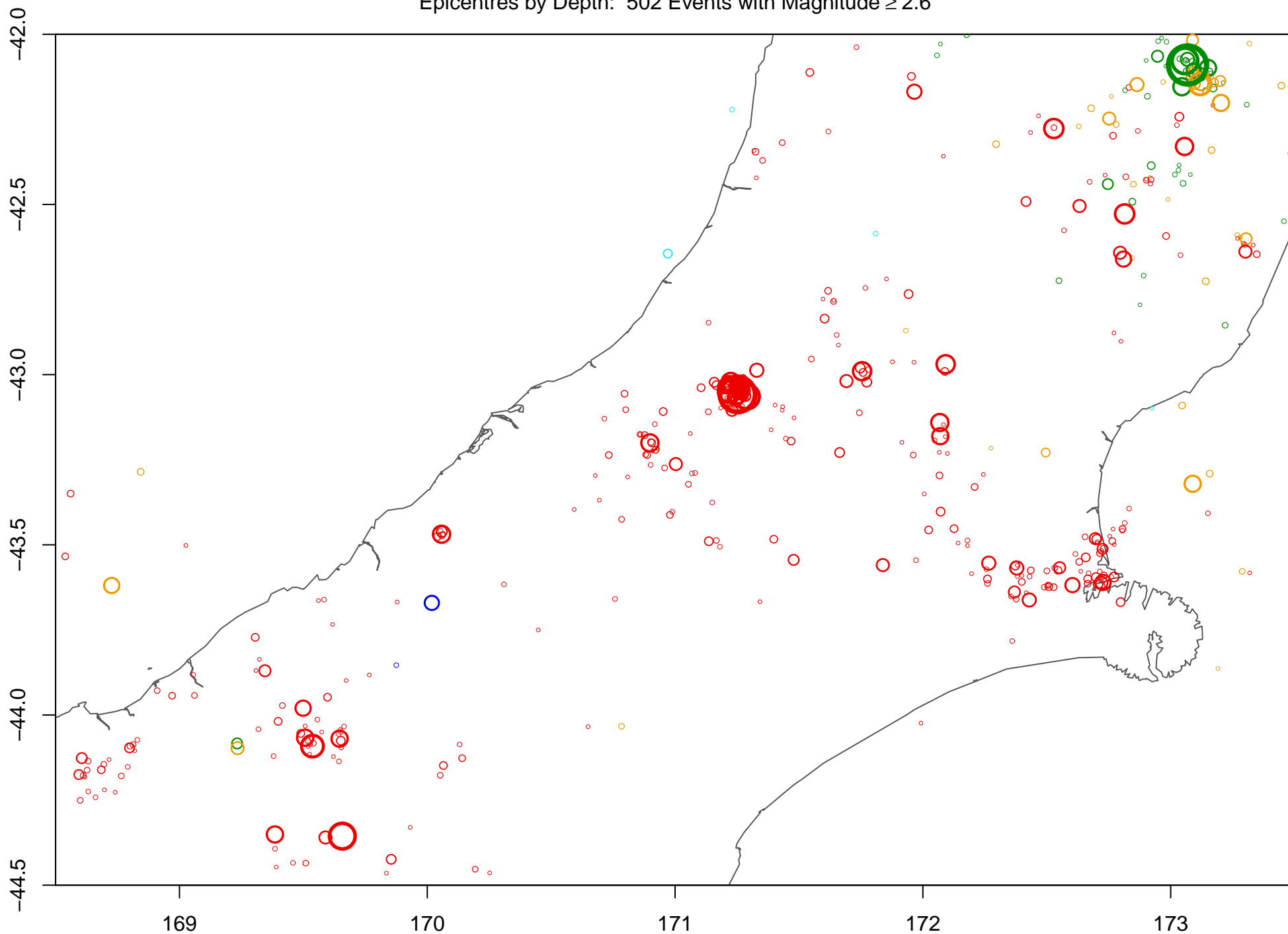
Catalogued Events in Westland–Canterbury NZ During 2014

Gutenberg–Richter Relationship: b-value = 1.38



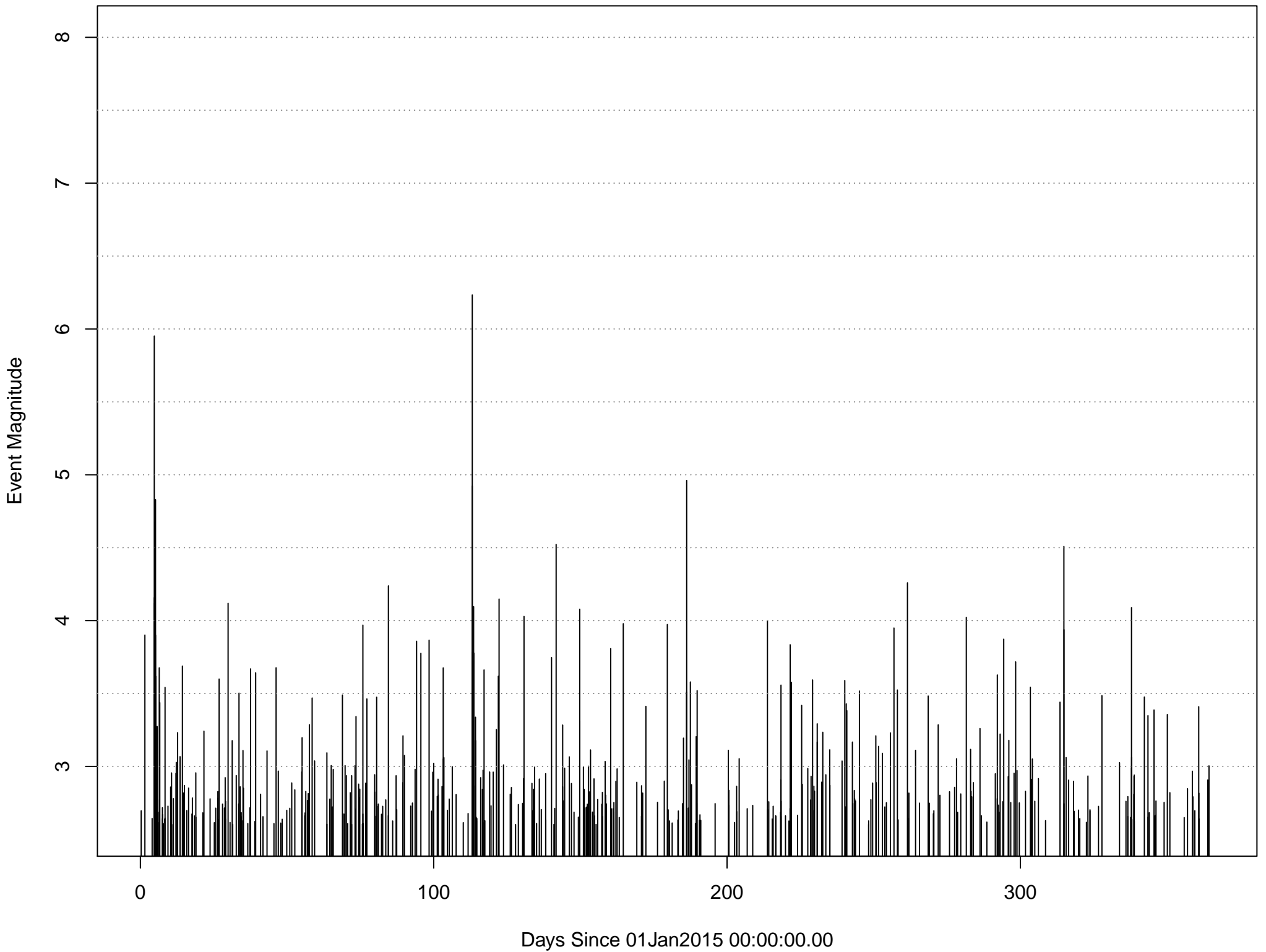
Catalogued Events in Westland–Canterbury NZ During 2015

Epicentres by Depth: 502 Events with Magnitude ≥ 2.6



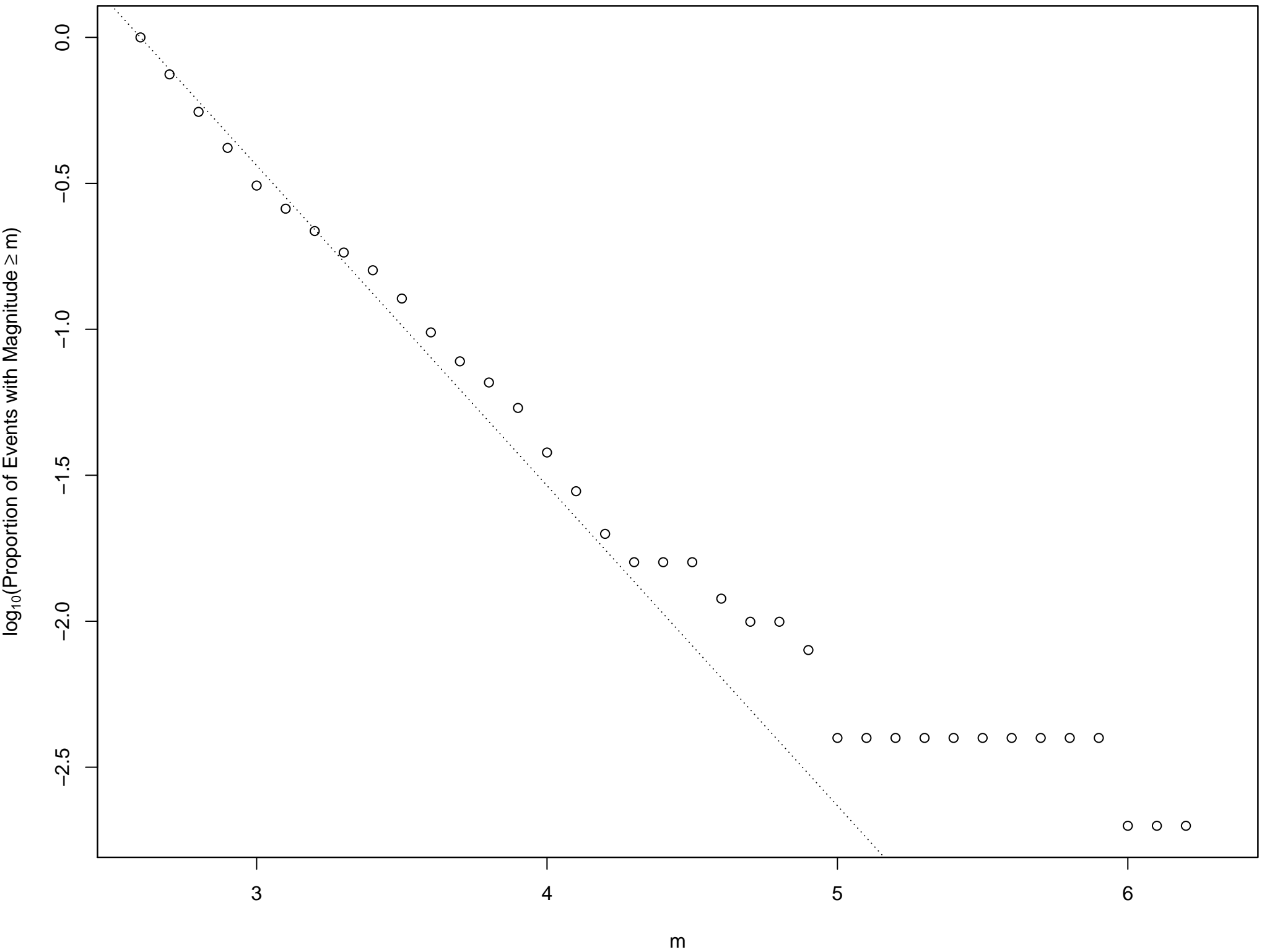
Depth (km): $0 \leq \text{red} \leq 20 < \text{orange} \leq 40 < \text{green} \leq 100 < \text{cyan} \leq 200 < \text{blue} < \infty$

Catalogued Events in Westland–Canterbury NZ During 2015



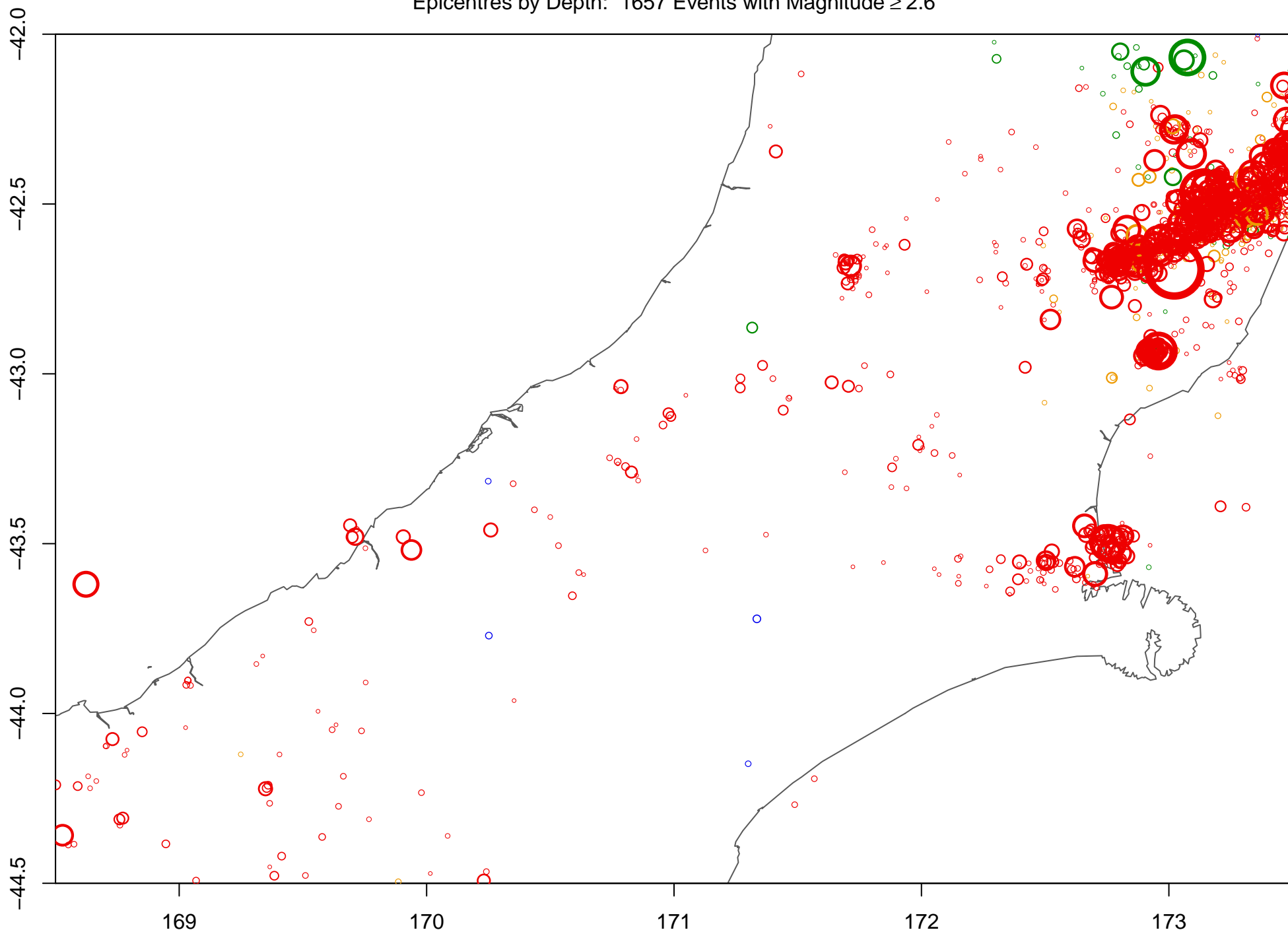
Catalogued Events in Westland–Canterbury NZ During 2015

Gutenberg–Richter Relationship: b -value = 1.10



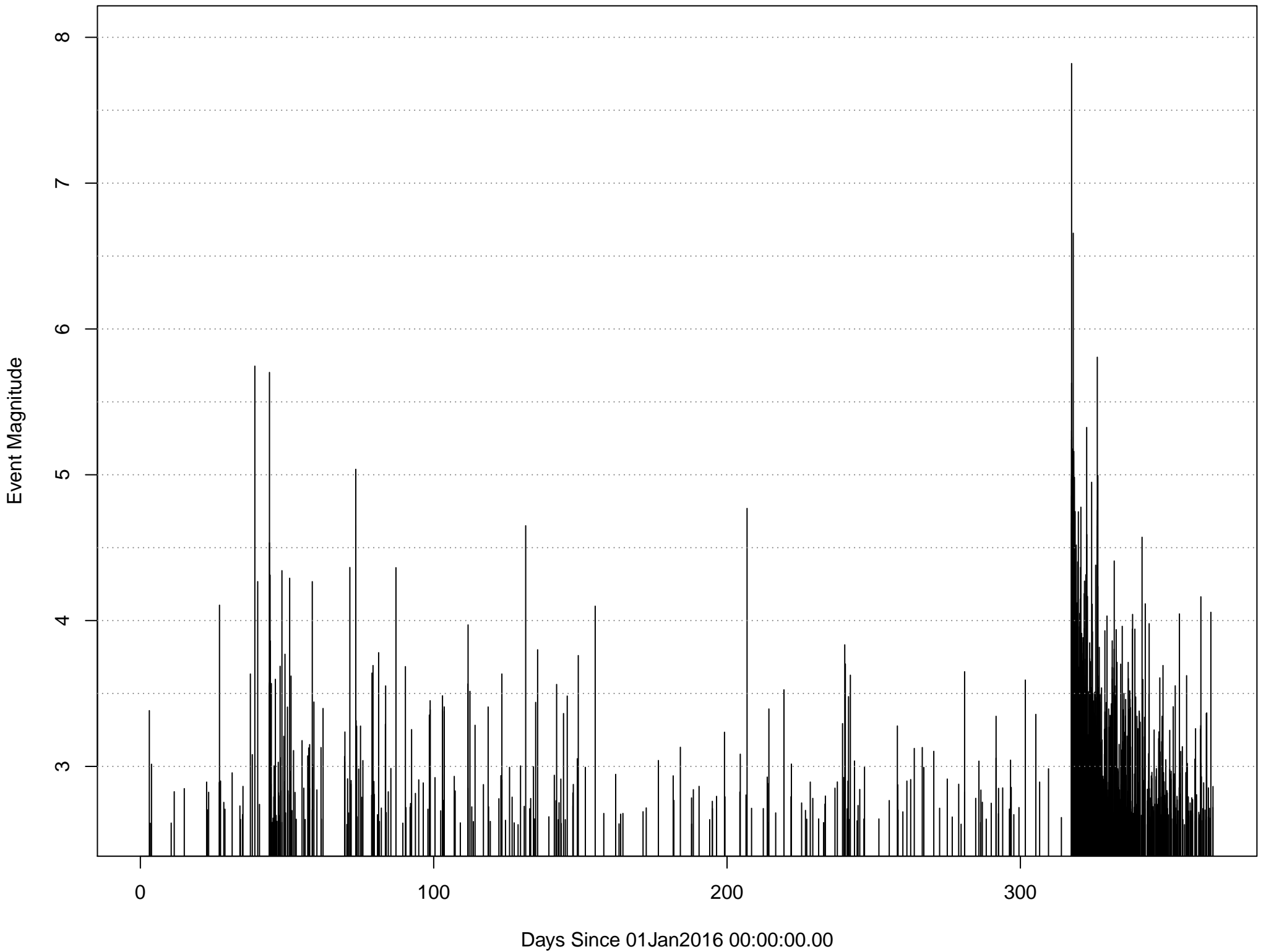
Catalogued Events in Westland–Canterbury NZ During 2016

Epicentres by Depth: 1657 Events with Magnitude ≥ 2.6



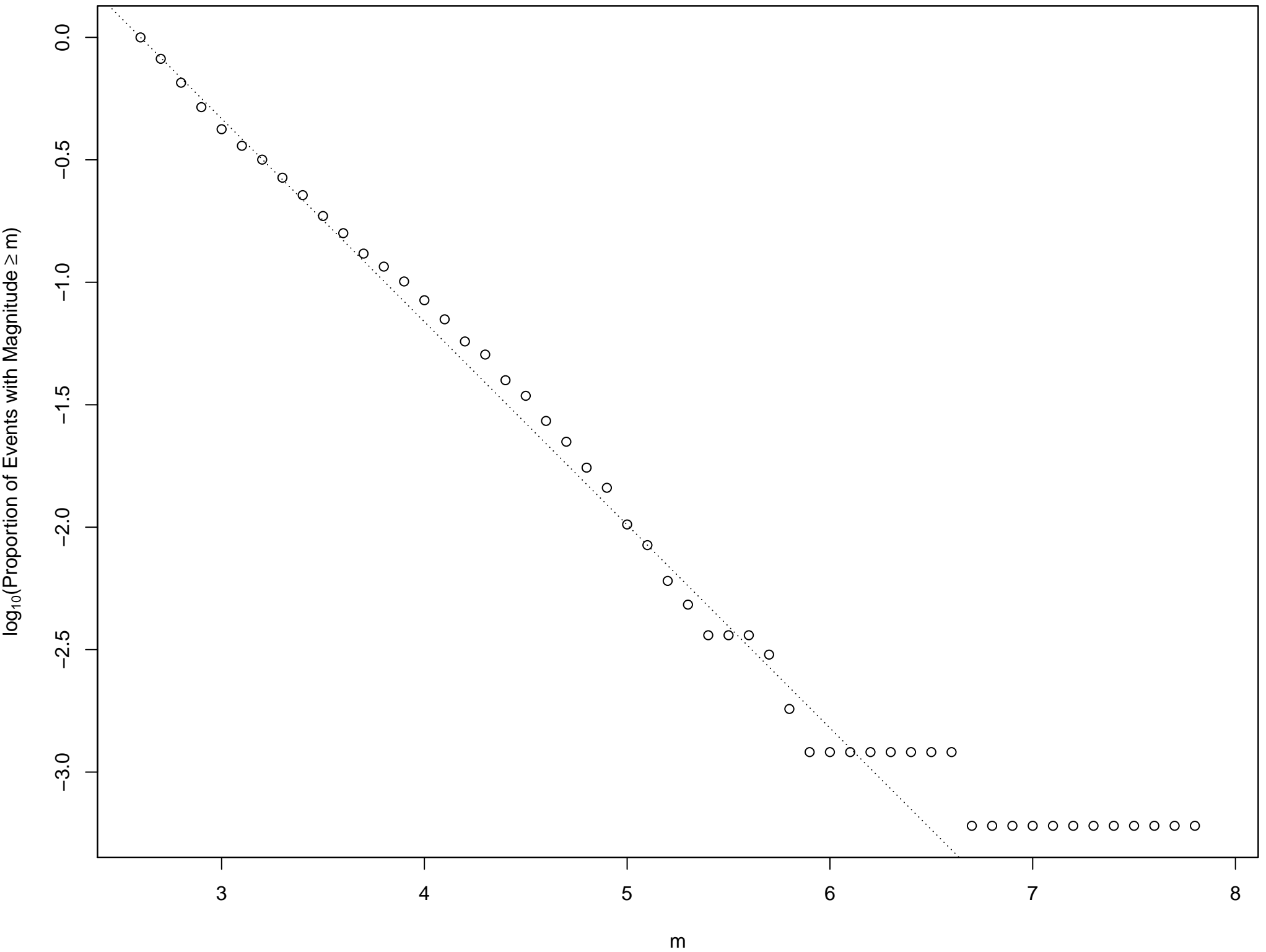
Depth (km): $0 \leq \text{red} \leq 20 < \text{orange} \leq 40 < \text{green} \leq 100 < \text{cyan} \leq 200 < \text{blue} < \infty$

Catalogued Events in Westland–Canterbury NZ During 2016



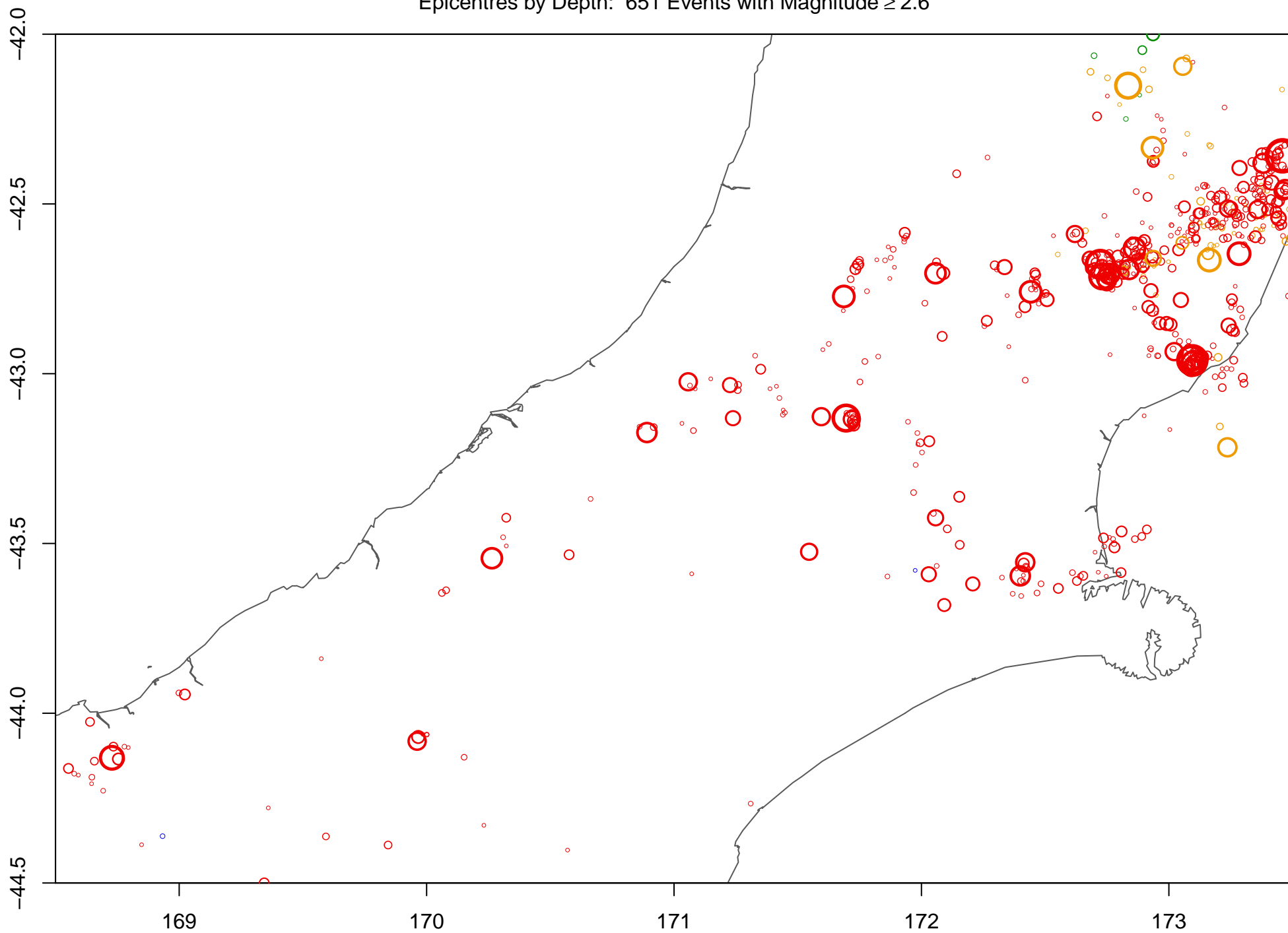
Catalogued Events in Westland–Canterbury NZ During 2016

Gutenberg–Richter Relationship: b -value = 0.83



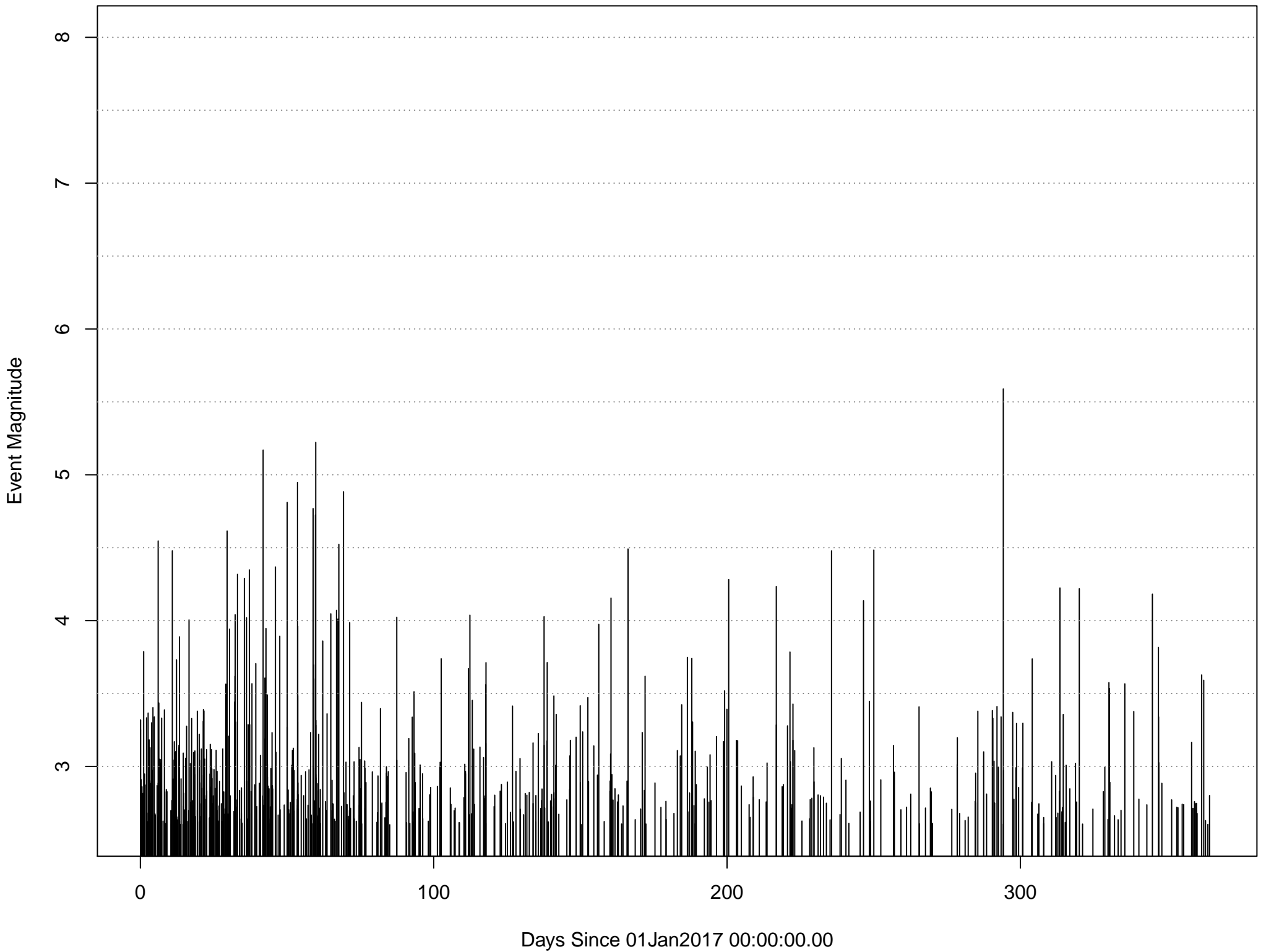
Catalogued Events in Westland–Canterbury NZ During 2017

Epicentres by Depth: 651 Events with Magnitude ≥ 2.6



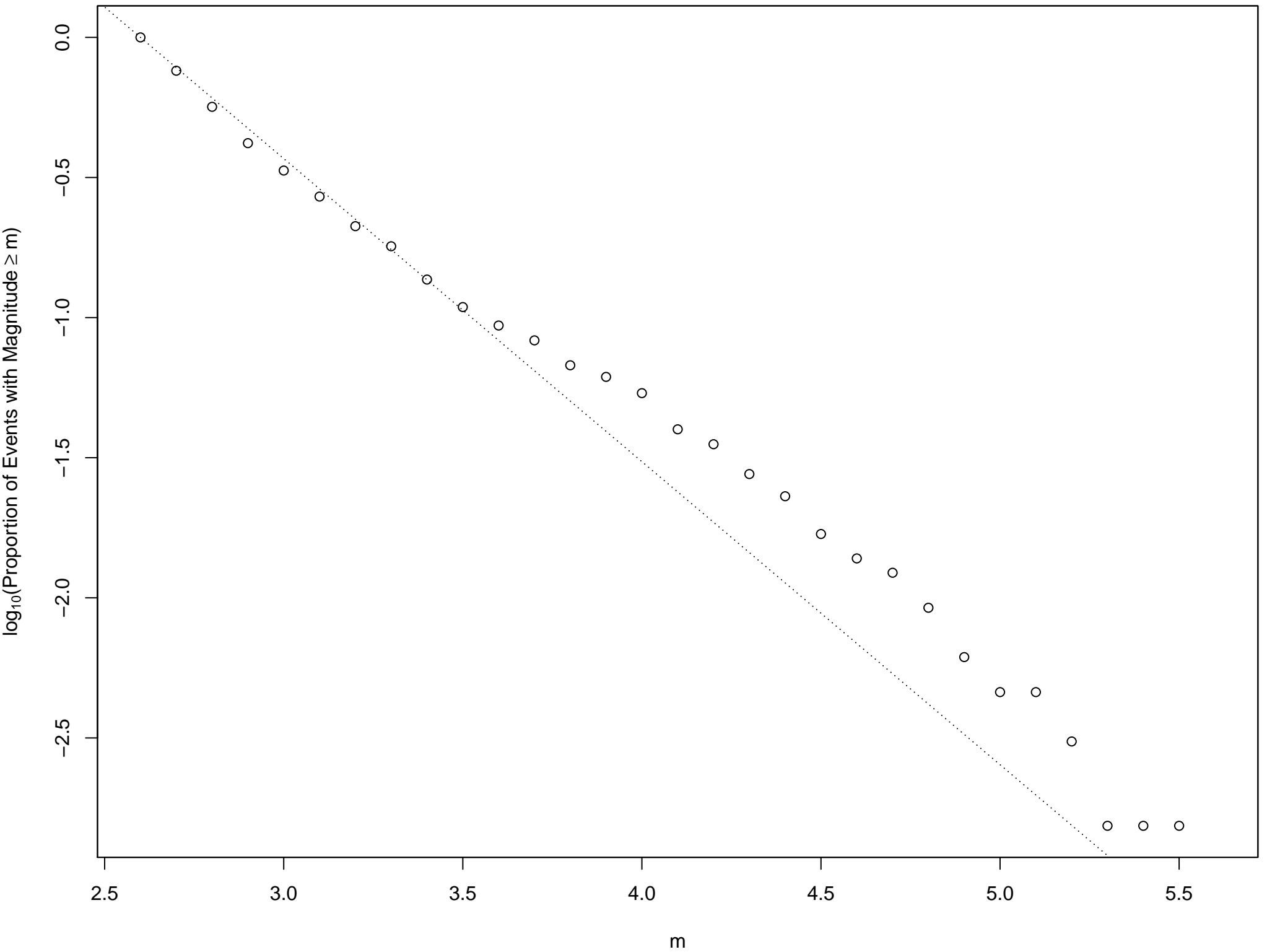
Depth (km): $0 \leq \text{red} \leq 20 < \text{orange} \leq 40 < \text{green} \leq 100 < \text{cyan} \leq 200 < \text{blue} < \infty$

Catalogued Events in Westland–Canterbury NZ During 2017



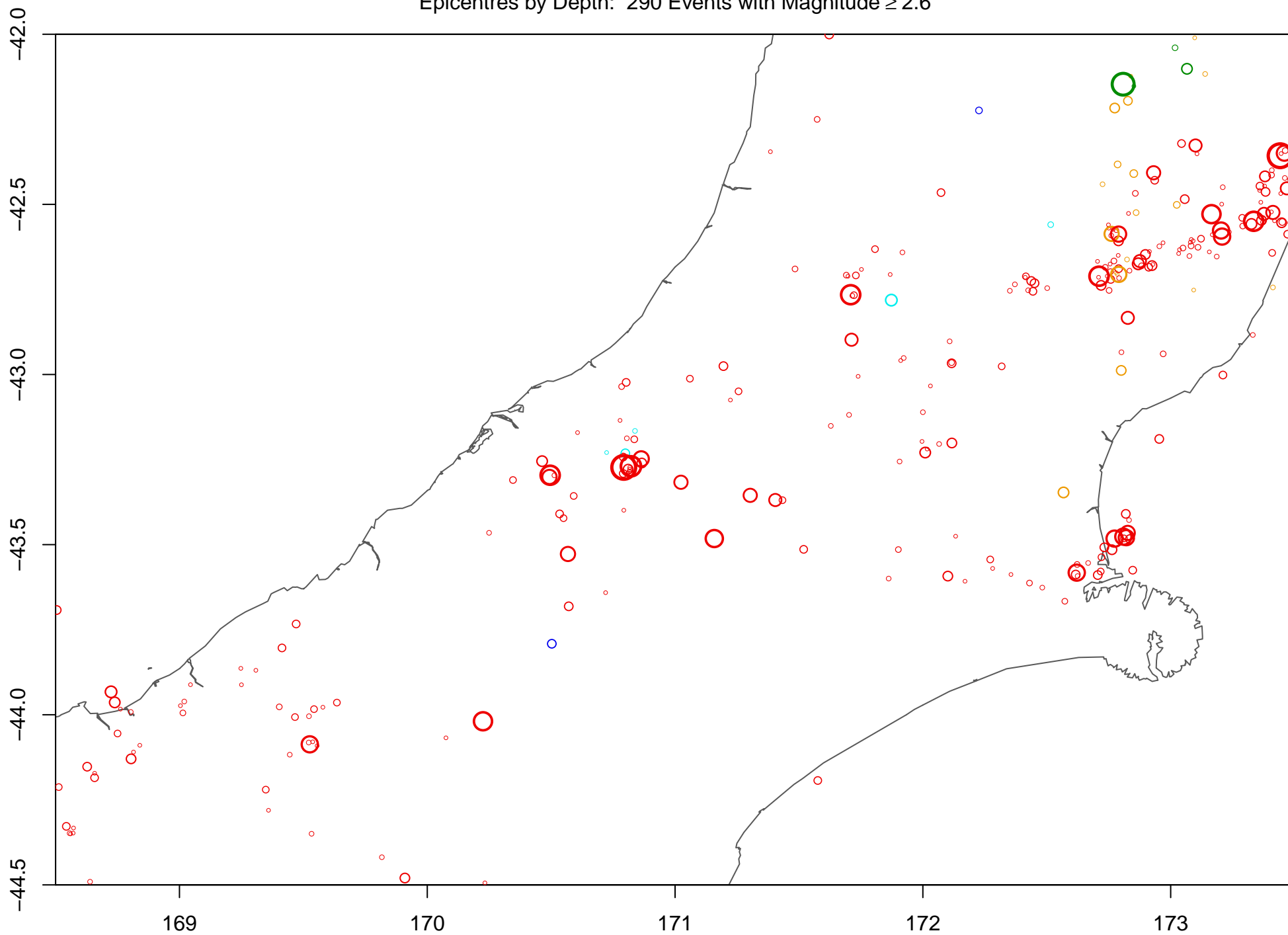
Catalogued Events in Westland–Canterbury NZ During 2017

Gutenberg–Richter Relationship: b -value = 1.08



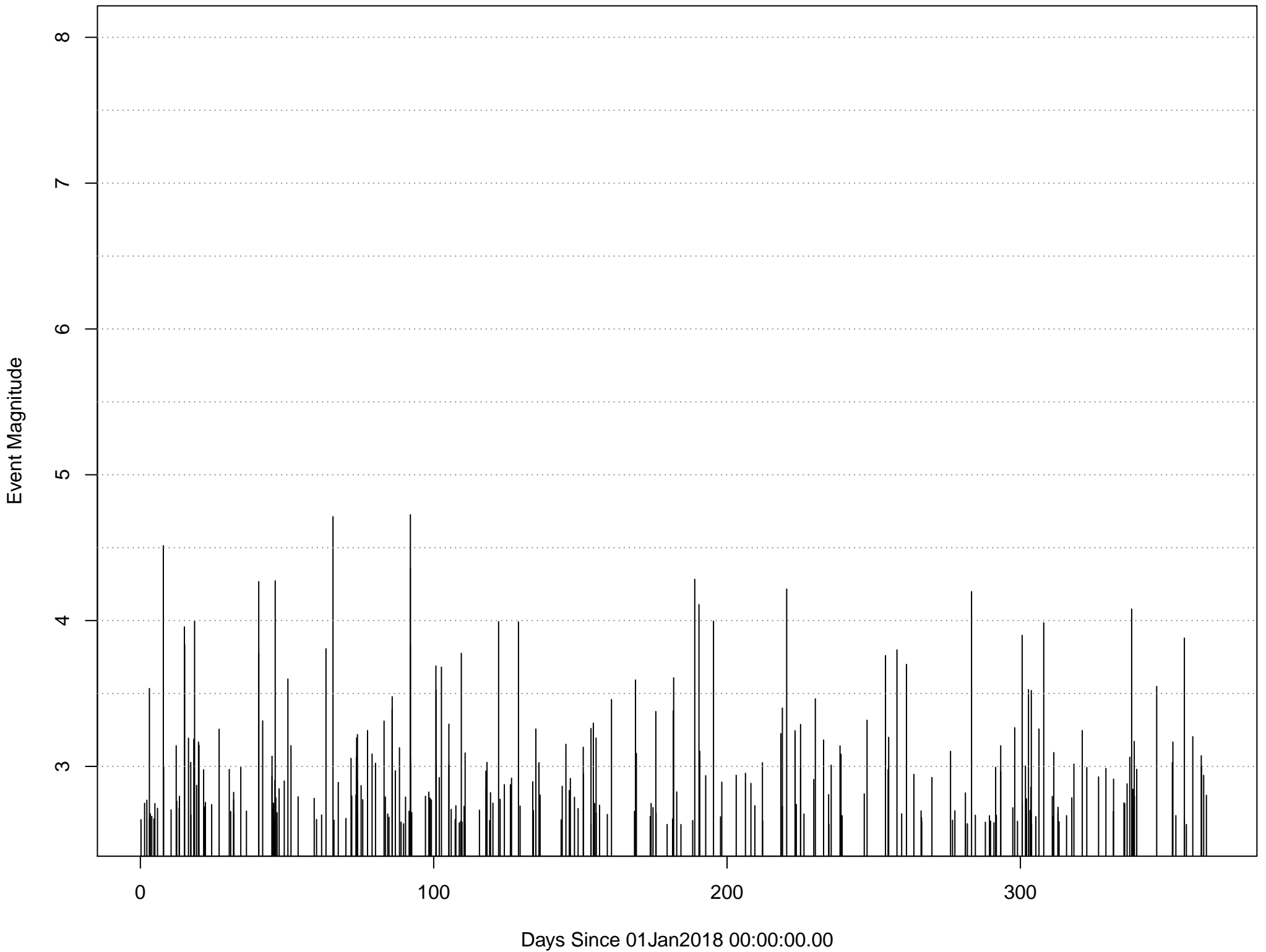
Catalogued Events in Westland–Canterbury NZ During 2018

Epicentres by Depth: 290 Events with Magnitude ≥ 2.6



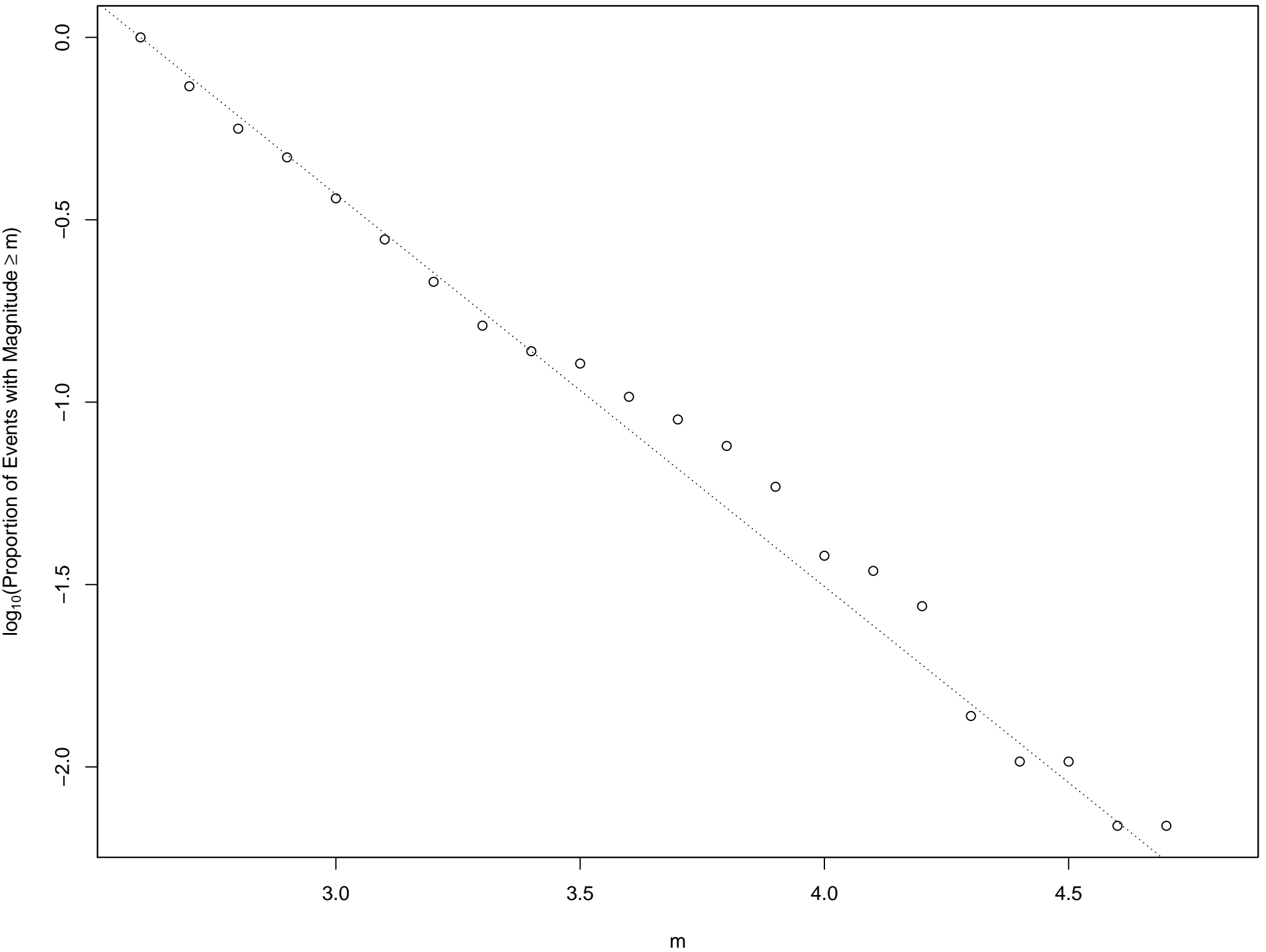
Depth (km): $0 \leq \text{red} \leq 20 < \text{orange} \leq 40 < \text{green} \leq 100 < \text{cyan} \leq 200 < \text{blue} < \infty$

Catalogued Events in Westland–Canterbury NZ During 2018



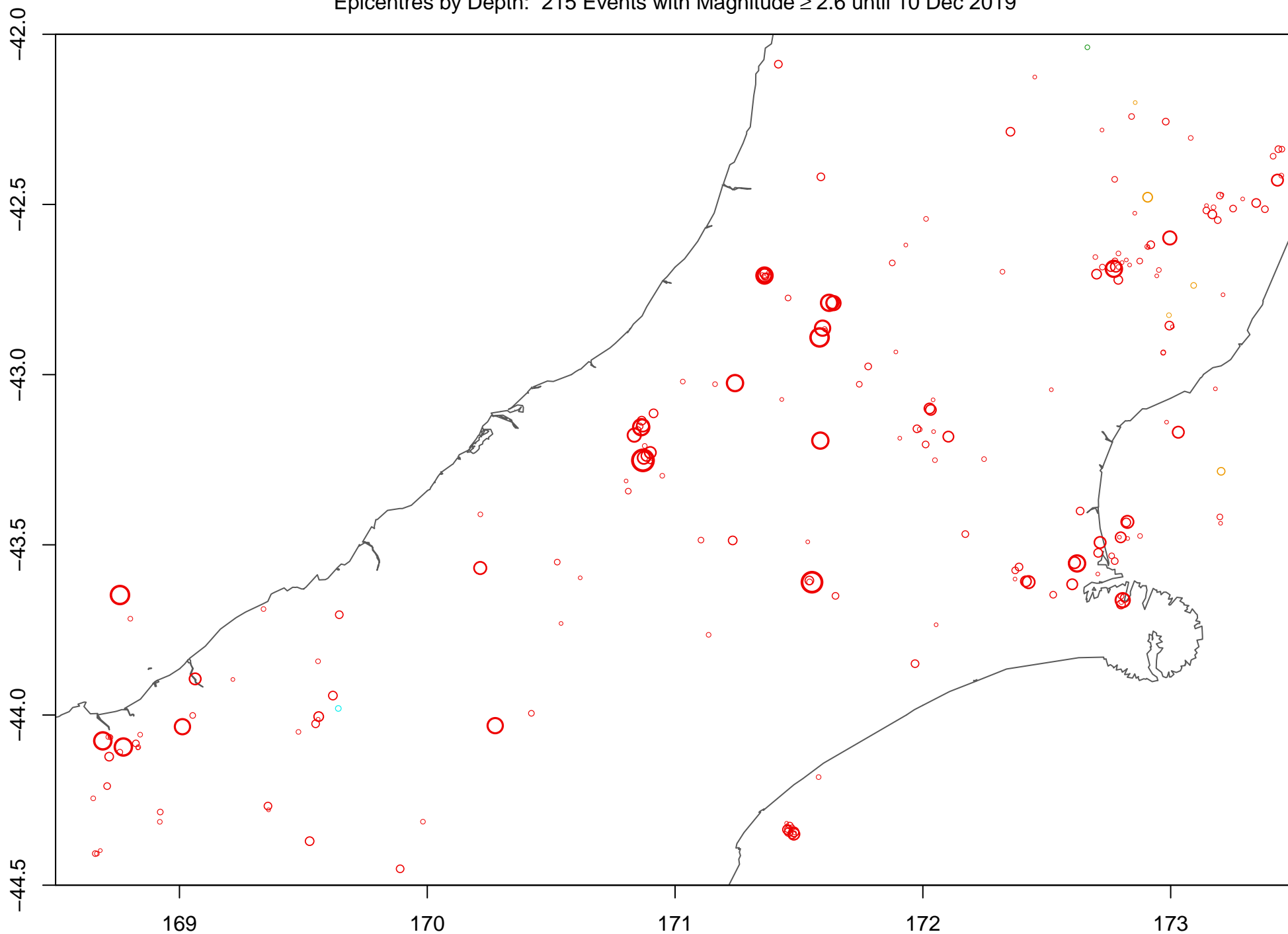
Catalogued Events in Westland–Canterbury NZ During 2018

Gutenberg–Richter Relationship: b -value = 1.08



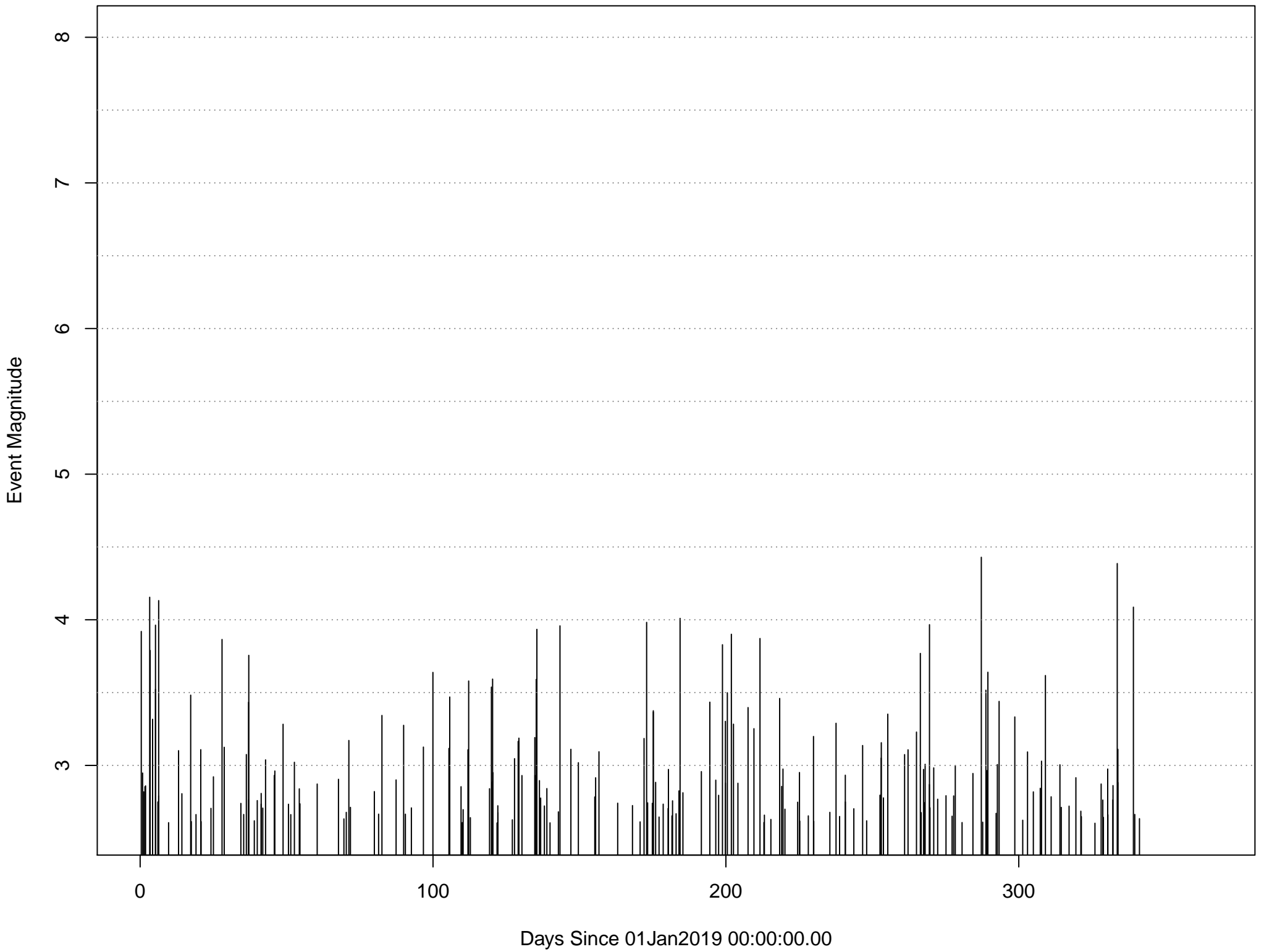
Catalogued Events in Westland–Canterbury NZ During 2019

Epicentres by Depth: 215 Events with Magnitude ≥ 2.6 until 10 Dec 2019



Depth (km): $0 \leq \text{red} \leq 20 < \text{orange} \leq 40 < \text{green} \leq 100 < \text{cyan} \leq 200 < \text{blue} < \infty$

Catalogued Events in Westland–Canterbury NZ During 2019



Catalogued Events in Westland–Canterbury NZ During 2019

Gutenberg–Richter Relationship: b -value = 1.05

