

Formatting Data for Time Series on NZGrapher

NZGrapher has these 6 formats for time series data:

Format	Seasons	Example	Notes	Think of as
Yearly	1	2015, 2016, 2017	Just numbers by themselves	YEAR
Quarterly	4	2015Q1, 2015Q2, 2015Q3, 2015Q4 then 2016Q1, 2016Q2	must be 1 digit after the Q	YEAR "Q" QUARTER
Monthly	12	2015M01 - 2015M12, 2016M01, 2016M02	must be 2 digits after the M	YEAR "M" MONTH
Daily (7 Days)	7	2001D1 - 2001D7, 2002D1, 2002D2	must be 1 digit after the D	WEEKNUMBER "D" DAY
Daily (5 Days)	5	2001W1 - 2001W5, 2002W1, 2002W2	must be 1 digit after the W	WEEKNUMBER "W" DAY
Hourly	24	2001H01 - 2001H24, 2002H01, 2002H02	must be 2 digits after the H	DAYNUMBER "H" HOUR

There is one more thing to note... the first two graphs in NZGrapher (time series, and recomposition) I have re-written the back end for to make them faster and more versatile, so they aren't quite as picky with the format of the numbers before the letters... they can be any length as long as they are consistent (ie all 2, 3, 4 or 5 digits)

The last two (seasonal effects and forecasts) I haven't yet re-written, so they require 4 digits before the letter.

For Year 9 you probably don't need the last two so any format is fine. For Year 13 it's important to have the 4 digits.