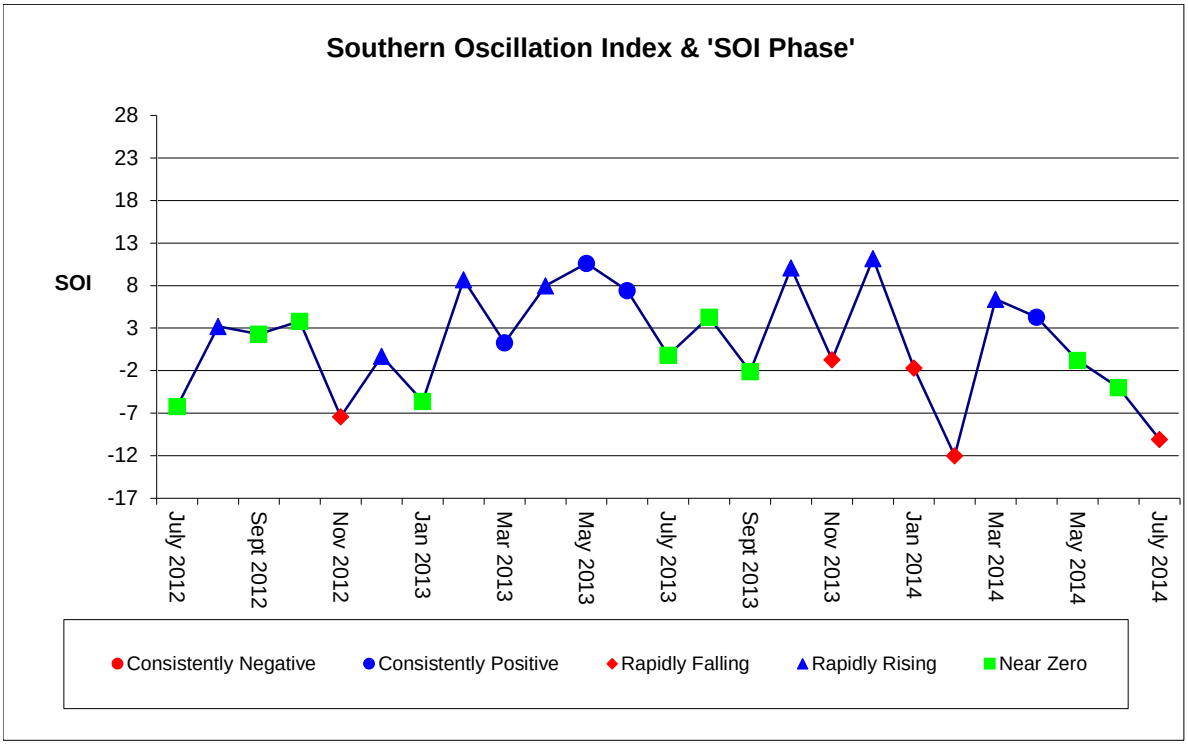
HCPSL
Herbert Cane Productivity Services Ltd.

Climate Outlook September-October 2014

SOI TRACKER:
The monthly average SOI for August was negative 10.1 (-10.1)) compared to negative 4.0 (-4.0) in July. Therefore the SOI phase for August came out as “Rapidly Falling”.

	SOI VALUE	SOI PHASE
End of September 2013	4.3	"Consistently Near Zero"
End of October 2013	-2.1	"Consistently Near Zero"
End of November 2013	10.1	"Rapidly Rising"
End of December 2013	-0.7	"Rapidly Falling"
End of January 2014	11.2	"Rapidly Rising"
End of February 2014	-1.7	"Rapidly Falling"
End of March 2014	-12.0	"Rapidly Falling"
End of April 2014	6.4	"Rapidly Rising"
End of May 2014	4.3	"Consistently Positive"
End of June 2014	-0.8	"Consistently Near Zero"
End of July 2014	-4.0	"Consistently Near Zero"
End of August 2014	-10.1	"Rapidly Falling"



RAINFALL OUTLOOK

- Median rainfall for September-October at Macknade is equal to 57.5 mm.
- Based on the new SOI phase, we have calculated the chance of exceeding median rainfall for September-October for the Herbert region to be 31%. (A 50% chance is what would be considered the ‘normal chance’ of experiencing above median rainfall).
- The Upper Quartile (top quartile of rainfall) for September-October at Macknade is equal to 105.9 mm.
- Based on past rainfall events over a period of more than 110 years, the chance of experiencing excessively high rainfall (i.e. rainfall greater than the upper quartile) is equal to 23%. (25% chance is what would be considered the ‘normal chance’ of experiencing excessively high rainfall.)

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SEPTEMBER-OCTOBER RAIN OUTLOOK FOR INGHAM IN DETAIL:

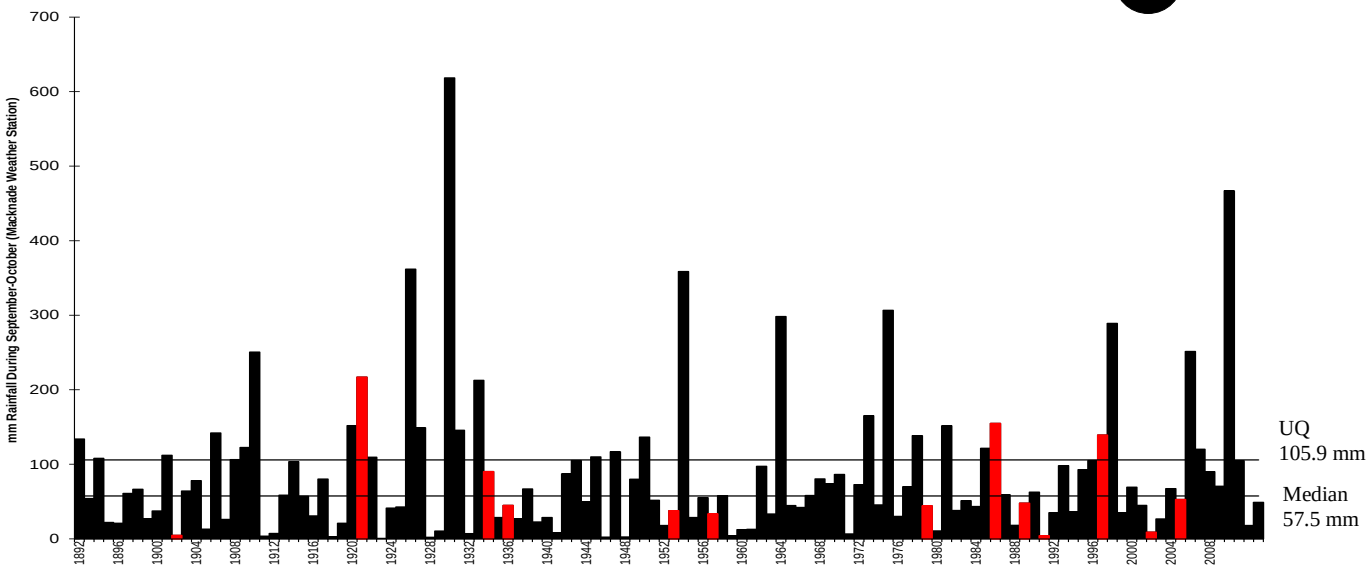
Since 1892 when rainfall records commenced at Macknade, there have been 13 occasions when the SOI phase at the end of August was “Rapidly Falling”. These years were:

1902 1921 1934 1936 1953 1957 1979 1986 1989 1991 1997 2002 2005

During those 13 years, total rainfall for September-October exceeded the median 4 times. Therefore the chance of exceeding median rainfall for September-October is 4/13 = 31%.

A high amount of rainfall (i.e. rain greater than 105.9 mm) resulted 3 times. So the chance of high rainfall is equal to 3/13 = 23%.

There have been 13 years when the SOI phase at the end of Aug was in a Rapidly Falling SOI phase (coloured Bars)
In 4 of those years the rainfall during Sep-Oct exceeded the median.
The chance that the Rainfall during Sep-Oct will exceed the median = 4/13 = 31%
In 3 of those years the Rainfall during Sep-Oct exceeded the Upper Quartile.
The chance that the Rainfall during Sep-Oct will exceed the Upper Quartile = 3/13= 23%



Comparison to Last Year

	September-October 2014	September-October 2013
SOI Phase	Rapidly Falling	Consistently Near Zero
Chance of above median rainfall	31%	48%
Chance of excessively high rainfall	23%	20%

For information on sea surface temperatures and general climate information, please see http://www.longpaddock.qld.gov.au and http://www.bom.gov.au/climate/ahead.