Question	Scheme	Marks	AOs
3(a)	Pressure outliers are <1004.75 and >1018.75 Rainfall outliers are (< ‑3.05) and >82.95	M1	2.1
	$p = 1019$ and 1022 are outliers $w = 102.0$ is an outlier	A1cso	1.1b
		(2)	
(b)	e.g. was a negative correlation, now no (zero) correlation	B1	2.2b
		(1)	
(c)	e.g. there are a lot of zeros for rainfall in Perth and there are none in the sample. **or** e.g. these are the highest figures and you are unlikely to get these if the sample was random.	B1	2.4
		(1)	
(d)	On average, an increase of 1 hPa in daily mean pressure results in a decrease of 0.223 mm in daily rainfall.	B1	3.4
		(1)	
(e)	Unreliable, as the large data set does not cover December.	B1	2.4
		(1)	
		(6 marks)	

Notes:

(a) M1: At least one correct boundary point

   A1: both upper boundary points and correct conclusions

(b) **B1ft:** A suitable description of correlation before and after.

(c) **B1:** For a comment that supports the idea that the sample is unlikely to be random.

(d) **B1:** For a suitable description of the rate : rainfall per number of hPa with reference to figures

(e) **B1:** For correct conclusion with a reason explaining why it would be extrapolation.

   NB: B0 For out of range, extrapolation o.e. on their own without a reason.