

Question	Scheme	Marks	AOs
2(a)	0 to 500 m	B1	1.2
		(1)	
(b)	$1100 + 1600 + 1.5 \times 1600$ [= 5100]	M1	2.1
	5300 > 5100 therefore outlier	A1	1.1b
		(2)	
(c)	As the humidity increases the mean visibility decreases	B1	2.4
		(1)	
(d)	(Hours of) sunshine	B1	2.2b
		(1)	
(5 marks)			

Notes			
(a)	B1:	For realising it is the maximum distance and distance given with correct units. Allow 0 to 50dm or < 500m or < 50dm	
(b)	M1:	Attempt to find Q_3 and the upper limit	
	A1:	5100, if a value for the point is stated it must be above 5100 otherwise it is A0. For a statement comparing and conclusion it is an outlier or it is above $Q_3 + 1.5IQR$. Allow accept the point circled is greater than 5100 oe	
(c)	B1:	For a suitable interpretation of a negative correlation mentioning humidity and visibility	
(d)	B1:	A correct deduction that the unlabelled variable is the hours of sunshine. Condone missing hours. Do not allow if more than one variable given. Must be quantative variable Not cloud cover since values bigger than 8 Not wind speed since values not integers Not daily mean temperature since mean temperature near to zero are unlikely in June	