

<u>KEY WORDS & DEFINITIONS</u>	<u>/ WHAT DO I NEED TO KNOW?</u>		
/ I. Daily Mean Temperature	I. What the Large Data Set is about		
The average of hourly temperature readings in a 24hour period, in Celsius.	The Edexcel LDS has samples on weather data in different		
2. Daily Total Rainfall	locations for certain time periods. The data is provided by the		
The depth of precipitation as a liquid. All precipitation is included, not just rainfall,	Met Office.		
but it is melted if necessary for the measurement. Heights less than 0.05mm	The LDS contains the weather data for 5 UK weather		
are recorded as a "trace" or "tr".	stations and 3 weather stations overseas.		
3. Daily Total Sunshine	2. How to clean the data		
Recorded to the nearest 10th of an hour (6 minutes).	N/A should be removed before calculations		
4. Daily Mean Wind Direction	tr (trace) should be turned to O		
Given as a bearing and/or in cardinal (compass) directions.	3. Locations		
5. Daily Mean Windspeed	Learn maps and understand geographical significance of		
Averaged over 24 hours of a day (midnight to midnight), in Knots, nautical miles	North, South, Coastal etc,		
per hour where I Knot = 1.15mph. Can also be categorised by the Beaufort	4. Dates		
Scale.	Remember the Large Data Set only has information from		
6. Daily Maximum Gust	May—October 1987 and May—October 2015 Anything		
The highest instantaneous windspeed recorded, in Knots.	between November and April is outside the range of our		
7. Daily Maximum Gust Direction	<u>data</u>		
The direction of the maximum gust of wind recorded.	5. Understand OKTAS		
8. Daily Maximum Relative Humidity	A measure of the fraction of the celestial dome covered by		
A percentage of air saturation with water vapour. Relative humidities above	l cloud, measured in		
95% result in mist or fog.	eighths. O oktas represents a clear sky,		
9. Daily Mean Cloud Cover	while a value of 8 indicates complete overcast.		
Measured in eighths of the sky that is covered (Oktas).	6. How to convert units		
IO. Daily Mean Visibility	l knot = 1.:151 mph		
The greatest horizontal distance at which an object can be seen in daylight,	7. Limitations		
measured in decametres (Dm).	These stations do not tell us about the whole UK		
II. Daily Mean Pressure			
Measured in hectopascals (hPa)			

THE BEAUFORT SCALE

Beaufort Scale	Description	Av. Wind Speed IOm above ground
0	Calm	< Knot
I-3	Light	I — 10 Knots
ц	Moderate	II — 16 Knots
5	Fresh	17 — 21 Knots

Ν Leuchars emina Camborne

UK DATA

Location (N to S)	Temp Range (℃)	Wind Speed Range (kn)
Leuchars	4 – 9	3 – 23
Leeming	4 – 23	3 – 17
Heathrow	8 - 29	3 – 19
Hurn	6 - 24	2 – I 9
Camborne	10 - 20	3 – I8

