

9th January 2019

XXXXXX XXXXXXXX
XXXXXX XXXX
XXXXXXXXXX XXXX
XXXXXXXXXX
XXXX XXX

Dear XXXXX,

Incident

Location: Shore Road, Hesketh Bank, Lancashire (PR4 6SA)
Date: 28-29th January 2017
Time: N/A
Your Reference: XXXX/XX

Details of meteorological data utilised

To establish what precipitation conditions occurred around the surrounding area of the time of the incident, I viewed the rainfall radar images and the modelled UKPP data for the above area.

Meteorological reports/documents included

Rainfall radar for the postcode PR4 6SA
Modelled UKPP data for the actual incident postcode PR4 6SA

Anecdotal reports enclosed

No anecdotal reports were included.

I very much appreciate the information is acceptable and please do not hesitate to call if I can be of further assistance in this or any other case in the future.

Please note that this is a Non-Court Legal Weather Report, and this report cannot be used as evidence in court of law as this incident has not been fully researched and only shows a snapshot of the raw daily or hourly data in the surrounding area of the incident. No interpretation, conclusion and statement of truth etc. have been included. If later you require a Court Legal Weather Report (for potential court purposes) for this case, please contact me at the above address.

Yours sincerely,



Dr Rick J. Wild BSc (Hons) PhD FRMetS FRGS MAE MCSFS
Chief Meteorologist
Direct: 01202 293867
Mobile: 07967 561549
E-mail: rick@weathernet.co.uk

Encl.: Weather report with respect to the case at Hesketh Bank, Lancashire (PR4 6SA) between the 28-29th January 2017

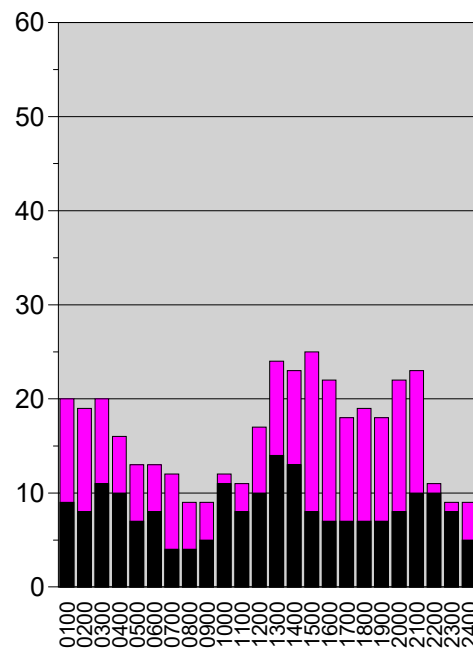
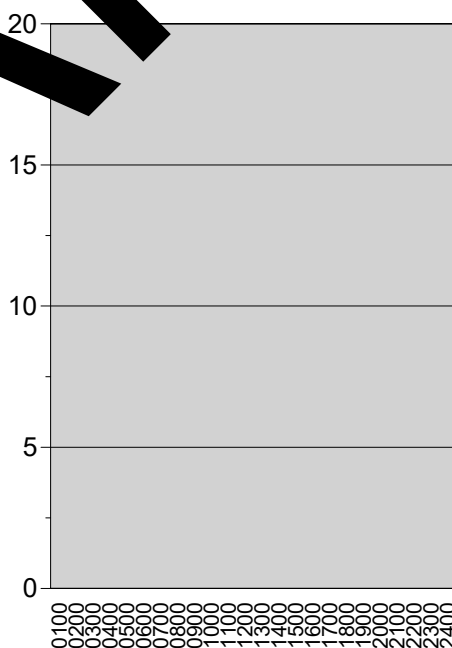
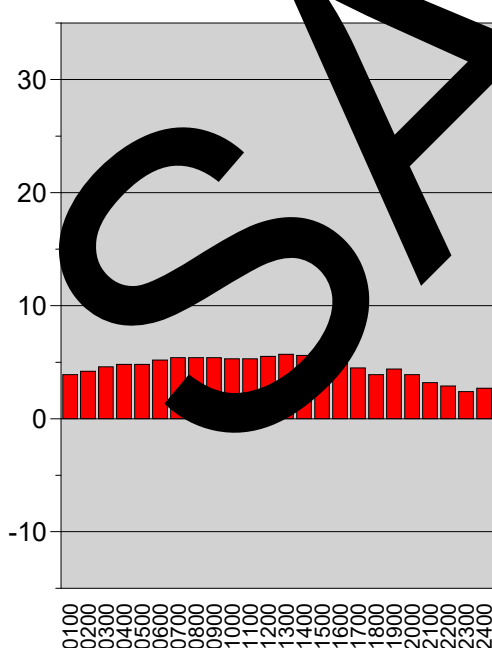
UKPP Weather Report for PR4 6SA Saturday 28 January 2017

GMT	Air Temp	Humidity	Rain*	Visibility	Cloud Cover	Wind From	Mean Wind	Max Gust**	Weather Notes
0100	3.9°C	98.6%		7,356m	100.0%	124°	9kt	20kt	
0200	4.2°C	98.7%		3,662m	100.0%	122°	8kt	19kt	
0300	4.6°C	96.8%		3,922m	100.0%	141°	11kt	20kt	
0400	4.8°C	96.4%		4,740m	100.0%	130°	10kt	16kt	
0500	4.8°C	97.1%		4,660m	100.0%	133°	7kt	13kt	
0600	5.2°C	97.1%		5,044m	100.0%	140°	8kt	13kt	
0700	5.4°C	96.9%		7,314m	100.0%	162°	4kt	12kt	Astronomical Dawn at 0600. Nautical Dawn at 0641 Civil Dawn at 0723
0800	5.4°C	97.4%		15,724m	100.0%	226°	4kt	9kt	Sunrise at 0803. Moon Rise at 0805
0900	5.4°C	97.5%		10,030m	100.0%	270°	5kt		
1000	5.3°C	97.6%		7,602m	100.0%	279°	11kt	12kt	
1100	5.3°C	96.7%		6,692m	100.0%	273°	8kt	11kt	
1200	5.5°C	97.0%		15,668m	100.0%	238°	10kt	17kt	
1300	5.7°C	97.1%		25,012m	100.0%	242°	14kt	24kt	
1400	5.6°C	95.6%		13,194m	100.0%	249°	13kt	22kt	
1500	5.6°C	93.5%		10,888m	98.8%	267°	8kt	23kt	
1600	5.2°C	91.9%		19,792m	78.7%	279°	7kt	22kt	
1700	4.5°C	93.2%		21,836m	23.7%	233°	7kt	18kt	Sunset at 1746
1800	3.9°C	92.4%		21,306m	81.2%	211°	7kt	19kt	Civil Dusk at 1725. Moon Set at 1736
1900	4.4°C	90.1%		20,836m	0.0%	153°	7kt	18kt	Nautical Dusk at 1807. Astronomical Dusk at 1848
2000	3.9°C	87.3%		12,774m	0.0%	181°	8kt	22kt	
2100	3.2°C	88.3%		17,462m	90.0%	169°	11kt	23kt	
2200	2.9°C	91.7%		16,140m	96.0%	203°	10kt	11kt	
2300	2.4°C	95.3%		11,228m	100.0%	257°	8kt	9kt	Snow
2400	2.7°C	95.2%		11,228m	100.0%	156°	5kt	9kt	
Totals									

Air Temperature (°C)

Rainfall (mm)

Mean Wind & Gust (kt)



*Rainfall & lightning is available from 26/02/2016; **Wind gusts are available from 13/04/2016

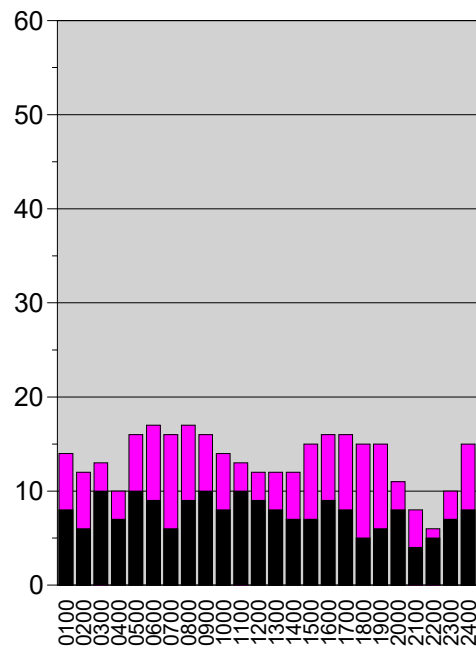
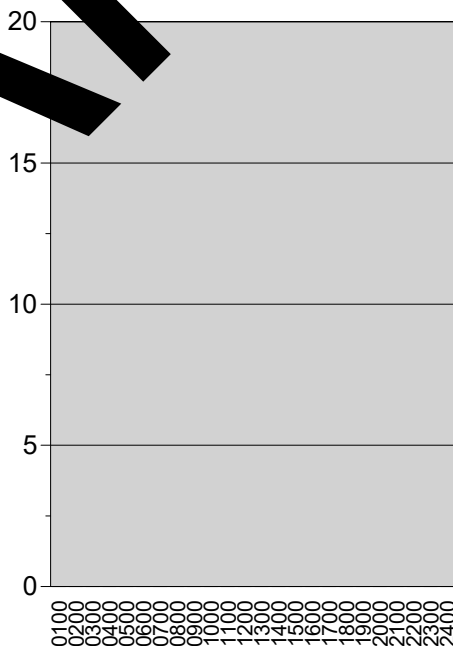
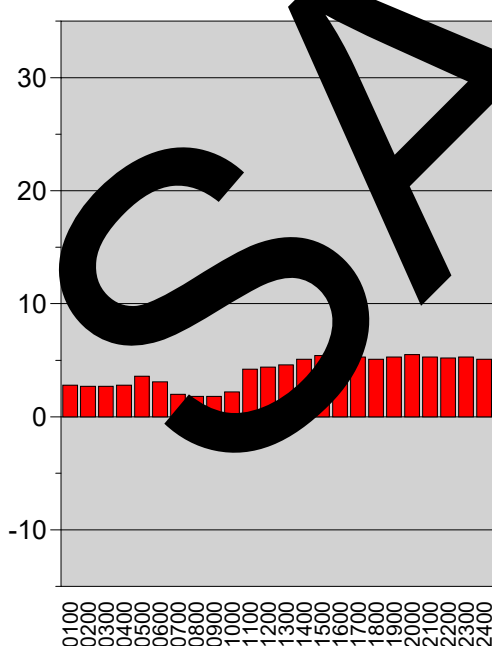
UKPP Weather Report for PR4 6SA Sunday 29 January 2017

GMT	Air Temp	Humidity	Rain*	Visibility	Cloud Cover	Wind From	Mean Wind	Max Gust**	Weather Notes
0100	2.8°C	95.7%		34,608m	91.2%	195°	8kt	14kt	
0200	2.7°C	95.7%		35,044m	92.5%	178°	6kt	12kt	
0300	2.7°C	94.7%		26,040m	31.2%	165°	10kt	13kt	
0400	2.8°C	93.9%		23,434m	12.5%	167°	7kt	10kt	
0500	3.6°C	89.1%		24,776m	47.5%	172°	10kt	16kt	
0600	3.1°C	90.5%		13,084m	41.2%	172°	9kt	17kt	Astronomical Dawn at 0559
0700	2.0°C	92.8%		10,696m	1.3%	153°	6kt	16kt	Nautical Dawn at 0640
0800	1.8°C	92.0%		10,650m	0.0%	161°	9kt	17kt	Civil Dawn at 0722
0900	1.8°C	91.6%		10,826m	1.3%	155°	10kt	16kt	Sunrise at 0801. Moon Rise at 0837
1000	2.2°C	90.1%		10,650m	48.7%	149°	8kt	14kt	
1100	4.2°C	84.7%		12,128m	73.8%	145°	10kt	13kt	
1200	4.4°C	83.3%		10,498m	93.8%	152°	9kt	12kt	
1300	4.6°C	84.0%		10,310m	73.8%	152°	8kt	12kt	
1400	5.1°C	83.5%		11,024m	95.0%	126°	7kt	12kt	
1500	5.4°C	85.3%		11,728m	97.5%	130°	7kt	12kt	
1600	5.5°C	85.0%		10,722m	98.8%	120°	16kt	16kt	Sunset at 1659
1700	5.3°C	88.6%		7,408m	100.0%	118°	8kt	16kt	
1800	5.1°C	91.8%		5,398m	100.0%	109°	5kt	15kt	Civil Dusk at 1727
1900	5.3°C	92.6%		6,638m	100.0%	109°	6kt	15kt	Nautical Dusk at 1809. Astronomical Dusk at 1850. Moon Set at 1847
2000	5.5°C	92.0%		5,182m	100.0%	086°	7kt	11kt	
2100	5.3°C	90.1%		7,952m	73.8%	052°	7kt	8kt	
2200	5.2°C	91.1%		8,348m	85.0%	044°	5kt	6kt	
2300	5.3°C	90.8%		14,076m	100.0%	038°	7kt	10kt	
2400	5.1°C	90.7%		14,198m	96.3%	069°	8kt	15kt	
Totals									

Air Temperature (°C)

Rainfall (mm)

Mean Wind & Gust (kt)

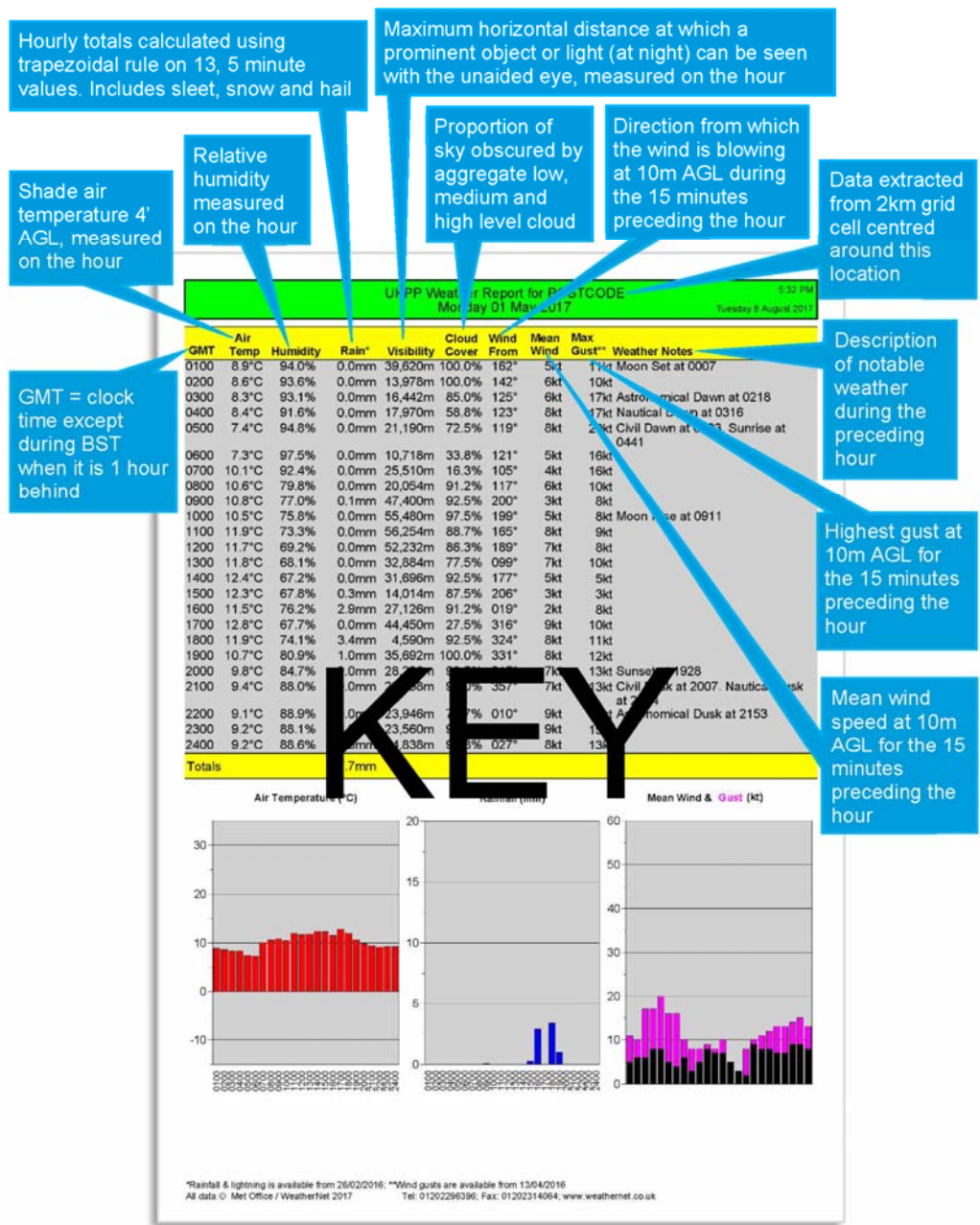


*Rainfall & lightning is available from 26/02/2016; **Wind gusts are available from 13/04/2016

All Data © Met Office / WeatherNet 2019

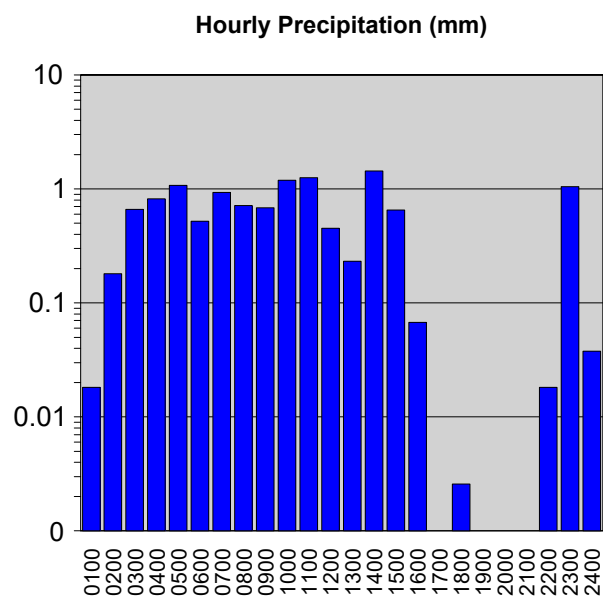
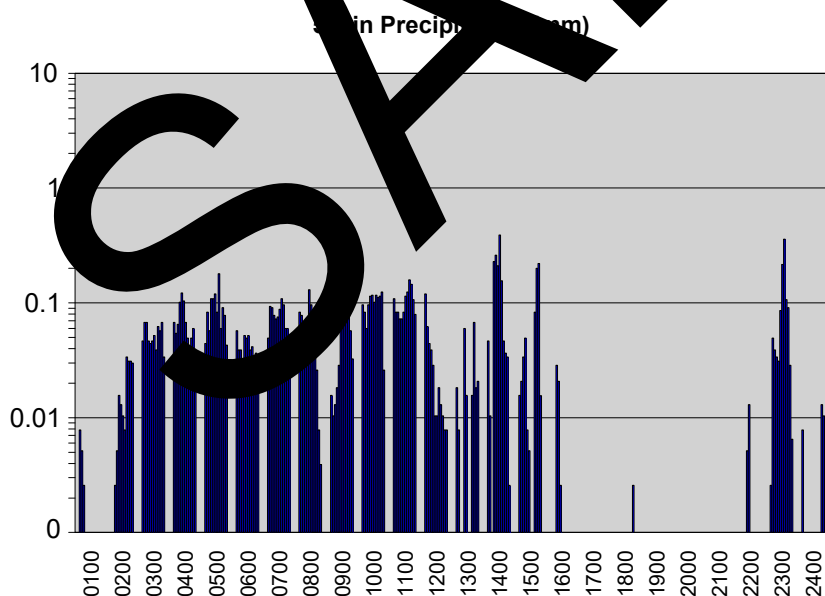
Tel: 01202296396; Fax: 01202314064; www.weather.net.co.uk

Hourly Remotely Sensed Data - Key



Radar Precipitation Report for PR4 6SA
Saturday 28 January 2017

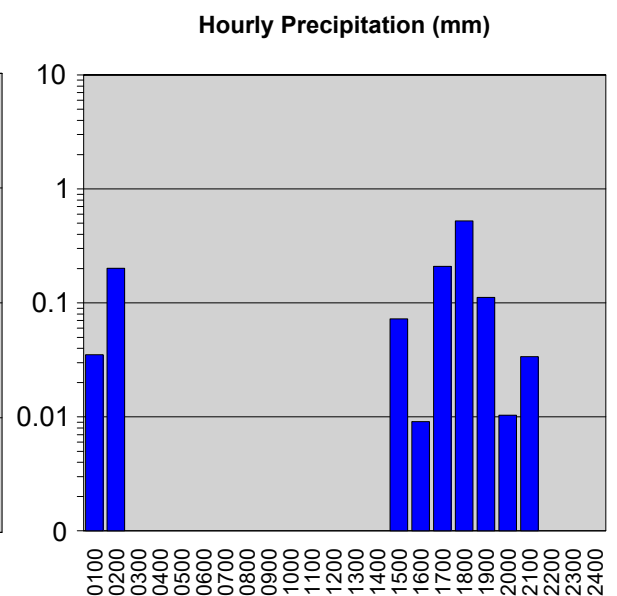
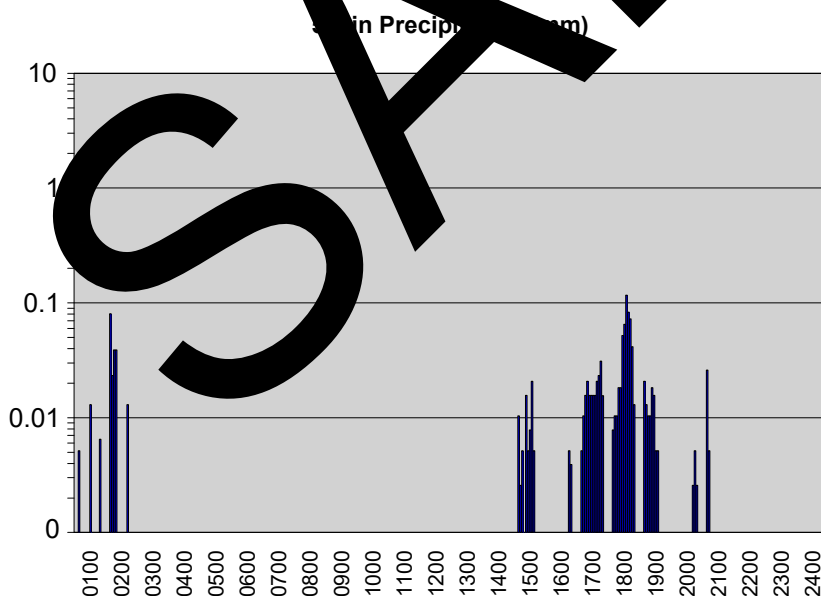
GMT	Precipitation (mm) for 5 minutes ending												Hourly Total* (mm)
	05	10	15	20	25	30	35	40	45	50	55	60	
0001-0100	0.008	0.005	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018
0101-0200	0.000	0.000	0.003	0.005	0.016	0.013	0.010	0.008	0.034	0.031	0.031	0.060	0.181
0201-0300	0.047	0.068	0.068	0.047	0.044	0.047	0.052	0.039	0.063	0.057	0.068	0.068	0.663
0301-0400	0.068	0.055	0.065	0.102	0.122	0.104	0.068	0.050	0.029	0.050	0.060	0.037	0.823
0401-0500	0.044	0.083	0.057	0.109	0.109	0.120	0.083	0.180	0.060	0.091	0.078	0.086	1.077
0501-0600	0.057	0.039	0.039	0.029	0.052	0.050	0.052	0.039	0.042	0.025	0.037	0.037	0.522
0601-0700	0.050	0.094	0.091	0.078	0.073	0.075	0.089	0.109	0.096	0.070	0.060	0.086	0.936
0701-0800	0.083	0.078	0.057	0.031	0.044	0.130	0.096	0.065	0.050	0.076	0.000	0.008	0.716
0801-0900	0.016	0.010	0.013	0.018	0.029	0.078	0.068	0.065	0.193	0.100	0.077	0.065	0.885
0901-1000	0.096	0.083	0.060	0.096	0.115	0.117	0.102	0.117	0.112	0.115	0.085	0.052	1.197
1001-1100	0.109	0.083	0.083	0.073	0.073	0.083	0.115	0.125	0.159	0.146	0.110	0.083	1.262
1101-1200	0.120	0.063	0.044	0.039	0.029	0.010	0.010	0.000	0.013	0.010	0.008	0.016	0.452
1201-1300	0.018	0.008	0.000	0.000	0.060	0.016	0.000	0.000	0.016	0.068	0.018	0.042	0.232
1301-1400	0.047	0.010	0.000	0.229	0.260	0.211	0.074	0.056	0.000	0.037	0.034	0.005	1.445
1401-1500	0.016	0.021	0.034	0.050	0.008	0.005	0.000	0.000	0.083	0.200	0.221	0.031	0.656
1501-1600	0.000	0.000	0.000	0.029	0.021	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.068
1601-1700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1701-1800	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.003
1801-1900	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1901-2000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001-2100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2101-2200	0.000	0.000	0.000	0.000	0.005	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.018
2201-2300	0.003	0.050	0.039	0.014	0.000	0.000	0.216	0.359	0.107	0.091	0.029	0.013	1.051
2301-2400	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.021	0.038
0001 - 2400 Total (mm)													12.041



Radar Precipitation Report for PR4 6SA

Sunday 29 January 2017

GMT	----- Precipitation (mm) for 5 minutes ending -----												Hourly Total* (mm)
	05	10	15	20	25	30	35	40	45	50	55	60	
0001-0100	0.005	0.000	0.000	0.000	0.000	0.000	0.013	0.000	0.000	0.000	0.000	0.013	0.035
0101-0200	0.081	0.023	0.039	0.039	0.000	0.000	0.000	0.000	0.000	0.013	0.000	0.000	0.202
0201-0300	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0301-0400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0401-0500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0501-0600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0601-0700	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0701-0800	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0801-0900	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0901-1000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1001-1100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1101-1200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1201-1300	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1301-1400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1401-1500	0.010	0.003	0.005	0.000	0.016	0.005	0.008	0.000	0.005	0.000	0.000	0.000	0.073
1501-1600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.008	0.009
1601-1700	0.005	0.010	0.016	0.021	0.016	0.016	0.016	0.016	0.021	0.023	0.031	0.031	0.210
1701-1800	0.008	0.010	0.010	0.018	0.000	0.052	0.000	0.117	0.083	0.073	0.042	0.026	0.526
1801-1900	0.021	0.013	0.010	0.010	0.010	0.016	0.000	0.005	0.000	0.000	0.000	0.000	0.112
1901-2000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.005	0.005	0.010
2001-2100	0.026	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.034
2101-2200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2201-2300	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2301-2400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0001 - 2400 Total (mm)													1.211



Hourly Rainfall Radar Data - Key

