PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD — **Friday 1st June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1026.3	1025.4	1025.6	1026.8	1025.7	1024.0	1020.4	1016.6	1016.0	1023.0
Wind Speed	8.5	9.4	8.4	8.9	8.3	7.4	10.0	11.9	14.9	9.7
Wind Direction	300	300	300	310	310	290	290	280	300	
Highest Gust		30.8	33.3	26.0	27.6	30.0	34.1	35.7	41.4	
in interval		103	410	611	1023	1430	1549	1833	2121	
		WNW	WNW	NW	NW	WNW	WNW	W	WNW	
Dry-bulb Temperature	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	trace	0.0	trace	0.2	0.0	trace	
Duration of Rain (hrs)		0.0	0.0	0.2	0.0	0.8	1.3	0.0	1.5	
Visibility										
Relative humidity	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.0	0.0	0.0	0.2	0.4		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.6	Maximum	-41.8
Duration (hrs)	8.5	Minimum	-41.8
1st Day of Month to Date (mm)	0.6	Grass Minimum	8.6
		Total Sunshine	0.6

COMMENTS :- Dry bulb temperature and humidity sensor not working due to vandalism.

Maximum Pressure - 1026.8

Minimum Pressure - 1016.0

Program run by KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD **Saturday 2nd June 2001**

Hours	0	3	6	9	12	15	18	21	24	
Interval	-	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1015.9	1014.8	1015.9	1019.5	1021.7	1021.9	1022.3	1024.2	1027.4	1020.4
Wind Speed	13.7	11.1	10.1	6.5	6.7	8.7	10.7	6.7	2.4	8.5
Wind Direction	300	310	320	30	340	330	330	10	80	
Highest Gust		36.5	34.9	28.4	24.3	24.3	26.8	27.6	20.3	
in interval		49	329	611	1103	1352	1629	1808	2146	
		NW	NW	NNE	NNW	NNW	NNW	N	E	
Dry-bulb Temperature	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.4	trace	trace	0.0	0.0	0.0	0.0	0.4	
Duration of Rain (hrs)		2.0	1.8	1.0	0.0	0.0	0.0	0.0	1.2	
Visibility										
Relative humidity	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.4	1.9	1.7	2.7	1.9		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.6	Maximum	-41.8
Duration (hrs)	1.2	Minimum	-41.8
1st Day of Month to Date (mm)	1.2	Grass Minimum	0.4
		Total Sunshine	8.6

COMMENTS :- Dry bulb temperature and humidity sensor not working due to vandalism.

Maximum Pressure -	1027.4
Minimum Pressure -	1014.3
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD — **Sunday 3rd June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1027.4	1028.4	1029.6	1030.5	1030.8	1029.9	1029.4	1029.5	1029.7	1029.5
Wind Speed	2.7	1.7	3.6	7.5	7.8	8.8	7.1	8.2	6.4	6.0
Wind Direction	90	360	20	330	320	310	300	310	310	
Highest Gust		8.1	15.4	22.7	22.7	21.9	23.5	23.5	21.1	
in interval		17	539	824	1031	1302	1548	1949	2112	
		N	NNE	NNW	NW	NW	WNW	NW	NW	
Dry-bulb Temperature	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8	-41.8
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6	-5.6
Dew point Temperature										
Sunshine in interval (hrs)			0.4	2.0	2.9	3.0	2.2	0.7		
Weather in previous interval										

RAINFALL (09 NEXT DAY)	
Amount (mm)	0.0
Duration (hrs)	0.0
1st Day of Month to Date (mm)	1.2

TEMPERATURES (09 NEXT DAY)	
Maximum	-41.8
Minimum	-41.8
Grass Minimum	7.5
Total Sunshine	11.2

COMMENTS :- Dry bulb temperature and humidity sensor not working due to vandalism.

Maximum Pressure - 1030.9

Minimum Pressure - 1027.4

Program run by KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD — **Monday 4th June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1029.7	1028.0	1028.7	1028.6	1028.1	1027.6	1026.5	1026.2	1025.2	1027.6
Wind Speed	7.8	6.5	6.5	6.2	8.8	7.0	5.4	3.8	3.6	6.2
Wind Direction	300	310	310	310	320	320	310	310	310	
Highest Gust		20.3	18.7	21.1	21.9	22.7	21.9	16.2	13.8	
in interval		229	300	626	1158	1209	1551	1822	2114	
		NW	NW	NW	NW	NW	NW	NW	NW	
Dry-bulb Temperature	-41.8	-41.8	-41.8	-41.8	13.7	13.5	13.1	11.3	11.5	-11.6
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	-5.6	-5.6	-5.6	-5.6	47.6	51.0	50.5	59.5	59.4	27.3
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.0	0.9	2.9	3.0	1.5		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.0	Maximum	14.3
Duration (hrs)	0.0	Minimum	-41.8
1st Day of Month to Date (mm)	1.2	Grass Minimum	6.5
		Total Sunshine	8.3

COMMENTS :-

Temperature and humidity sensor fixed at 1040.

Maximum Pressure -	1029.7
Minimum Pressure -	1025.1
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD

Tuesday 5th June 2001

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1025.1	1023.3	1021.6	1020.5	1018.9	1016.7	1015.2	1014.9	1014.3	1018.9
Wind Speed	2.6	2.9	2.1	4.0	3.0	4.2	2.6	4.7	4.7	3.4
Wind Direction	290	250	240	270	280	330	340	310	300	
Highest Gust		8.9	7.3	12.2	12.2	13.8	12.2	12.2	12.2	
in interval		2351	309	816	1016	1320	1609	2024	2105	
		WSW	WSW	W	W	NNW	NNW	NW	WNW	
Dry-bulb Temperature	11.4	10.4	11.0	13.8	14.6	16.3	14.6	12.8	12.3	13.0
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	60.0	65.6	65.3	58.6	55.5	48.7	54.4	63.8	80.5	61.4
Dew point Temperature										
Sunshine in interval (hrs)			0.5	0.2	0.7	2.4	2.9	1.2		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.0	Maximum	17.2
Duration (hrs)	0.0	Minimum	10.8
1st Day of Month to Date (mm)	1.2	Grass Minimum	9.2
		Total Sunshine	7.9

COMMENTS :-

Maximum Pressure -	1025.1
Minimum Pressure -	1014.3
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD — **Wednesday 6th June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1014.3	1012.9	1013.0	1012.7	1010.6	1008.6	1004.6	1007.4	1010.0	1010.5
Wind Speed	4.6	4.6	5.4	2.5	6.2	5.5	9.1	11.4	10.4	6.6
Wind Direction	310	290	290	260	260	250	260	320	300	
Highest Gust		17.0	18.7	18.7	19.5	27.6	26.0	34.9	32.4	
in interval		152	454	618	1124	1327	1756	1922	2123	
		WNW	WNW	W	W	WSW	W	NW	WNW	
Dry-bulb Temperature	12.2	11.5	11.4	13.0	13.9	12.6	12.1	8.2	8.6	11.5
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.0	trace	trace	0.2	trace	trace	
Duration of Rain (hrs)		0.0	0.0	0.0	0.3	2.3	2.8	0.8	0.2	
Visibility										
Relative humidity	81.1	74.5	72.1	59.3	57.4	64.5	78.2	79.8	67.7	70.5
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.0	0.2	0.0	0.0	0.7		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.4	Maximum	14.4
Duration (hrs)	8.0	Minimum	7.6
1st Day of Month to Date (mm)	1.6	Grass Minimum	6.0
		Total Sunshine	0.9

COMMENTS :-

Maximum Pressure -	1014.3
Minimum Pressure -	1003.8
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD **Thursday 7th June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1009.7	1010.6	1010.7	1011.4	1012.2	1013.0	1013.2	1014.5	1015.4	1012.3
Wind Speed	11.6	7.9	5.5	8.5	8.8	8.2	8.4	4.6	4.4	7.5
Wind Direction	300	300	290	300	310	300	310	300	320	
Highest Gust		30.8	27.6	31.6	30.8	28.4	26.8	22.7	20.3	
in interval		17	347	724	1052	1319	1500	1825	2118	
		WNW	WNW	WNW	NW	WNW	NW	WNW	NW	
Dry-bulb Temperature	8.7	8.7	8.7	9.6	11.8	12.8	11.2	9.0	8.7	9.9
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	67.8	64.4	62.1	61.6	53.2	48.7	53.9	60.8	57.8	58.9
Dew point Temperature										
Sunshine in interval (hrs)			0.2	1.2	2.7	3.0	3.0	2.0		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	trace	Maximum	12.9
Duration (hrs)	0.8	Minimum	6.5
1st Day of Month to Date (mm)	1.6	Grass Minimum	5.1
		Total Sunshine	12.1

COMMENTS :-

Maximum Pressure -	1015.4
Minimum Pressure -	1009.6
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD **Friday 8th June 2001**

Hours	0	3	6	9	12	15	18	21	24	
Interval	-	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1015.4	1015.3	1015.8	1017.1	1017.6	1018.1	1017.7	1018.1	1018.2	1017.0
Wind Speed	5.0	7.1	6.9	9.5	7.3	5.0	4.2	2.1	3.8	5.7
Wind Direction	320	320	320	320	320	310	300	290	260	
Highest Gust		23.5	23.5	24.3	26.0	26.0	22.7	21.1	17.0	
in interval		25	340	807	1027	1213	1518	1938	2101	
		NW	NW	NW	NW	NW	WNW	WNW	W	
Dry-bulb Temperature	8.6	8.1	7.7	9.4	11.2	12.1	11.9	10.0	8.9	9.8
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	trace	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	57.1	59.0	58.0	50.7	47.2	51.6	51.9	58.5	61.4	55.0
Dew point Temperature										
Sunshine in interval (hrs)			0.0	1.7	2.7	2.5	3.0	2.0		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.2	Maximum	12.2
Duration (hrs)	3.7	Minimum	7.5
1st Day of Month to Date (mm)	1.8	Grass Minimum	6.2
		Total Sunshine	11.9

COMMENTS :-

Maximum Pressure - 1018.4

Minimum Pressure - 1015.2

Program run by KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD **Saturday 9th June 2001**

Hours	0	3	6	9	12	15	18	21	24	
Interval	-	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1018.3	1017.0	1016.8	1016.8	1016.4	1015.4	1014.8	1015.9	1016.4	1016.4
Wind Speed	3.9	4.2	5.7	6.5	7.2	9.2	6.0	8.6	5.9	6.4
Wind Direction	260	270	280	280	290	310	290	300	330	
Highest Gust		22.7	15.4	19.5	23.5	25.1	22.7	25.1	23.5	
in interval		208	402	857	914	1314	1509	2050	2253	
		W	W	W	WNW	NW	WNW	WNW	NNW	
Dry-bulb Temperature	8.8	7.6	8.6	10.4	11.4	14.0	12.7	11.2	10.1	10.5
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		trace	0.2	trace	0.2	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.8	2.2	0.7	1.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	61.9	81.0	86.3	71.9	57.1	53.3	57.4	63.4	72.3	67.2
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.0	0.2	1.7	1.9	0.9		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.2	Maximum	14.2
Duration (hrs)	0.8	Minimum	6.6
1st Day of Month to Date (mm)	2.0	Grass Minimum	3.6
		Total Sunshine	4.7

COMMENTS :-

Maximum Pressure -	1018.3
Minimum Pressure -	1014.8
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD **Sunday 10th June 2001**

Hours	0	3	6	9	12	15	18	21	24	
Interval	-	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1016.7	1018.8	1020.4	1021.9	1023.3	1023.8	1024.1	1024.8	1025.6	1022.2
Wind Speed	6.4	3.0	4.4	6.5	7.4	8.2	6.6	2.5	3.9	5.4
Wind Direction	340	40	20	350	340	310	310	300	310	
Highest Gust		14.6	13.8	18.7	20.3	22.7	21.9	20.3	13.0	
in interval		2355	556	831	1134	1433	1718	1808	2337	
		NE	NNE	N	NNW	NW	NW	WNW	NW	
Dry-bulb Temperature	10.2	7.1	8.1	10.6	12.6	13.2	12.6	10.0	9.3	10.4
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	72.4	73.2	61.1	54.3	48.1	53.6	56.6	65.5	62.8	60.8
Dew point Temperature										
Sunshine in interval (hrs)			0.9	3.0	3.0	3.0	3.0	2.5		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.0	Maximum	13.5
Duration (hrs)	0.0	Minimum	9.0
1st Day of Month to Date (mm)	2.0	Grass Minimum	5.6
		Total Sunshine	15.4

COMMENTS :-

Maximum Pressure -	1025.8
Minimum Pressure -	1016.7
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD — **Monday 11th June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1025.7	1025.6	1025.2	1025.6	1025.5	1025.1	1024.1	1024.5	1023.9	1025.0
Wind Speed	3.3	3.7	3.1	4.5	6.2	4.9	4.4	2.3	2.9	3.9
Wind Direction	300	270	300	300	310	300	310	290	240	
Highest Gust		16.2	15.4	17.8	21.9	20.3	21.9	21.1	17.0	
in interval		40	559	821	1003	1159	1716	1923	2107	
		W	WNW	WNW	NW	WNW	NW	WNW	WSW	
Dry-bulb Temperature	9.4	9.5	10.4	11.5	12.3	13.8	12.5	11.8	11.1	11.4
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	63.4	63.7	67.8	62.9	59.8	49.0	52.6	56.7	60.3	59.6
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.0	0.0	0.9	2.7	1.7		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.0	Maximum	14.1
Duration (hrs)	0.0	Minimum	10.7
1st Day of Month to Date (mm)	2.0	Grass Minimum	8.8
		Total Sunshine	5.3

COMMENTS :-

Maximum Pressure -	1025.8
Minimum Pressure -	1023.8
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD — **Tuesday 12th June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1023.9	1023.3	1023.8	1023.7	1022.8	1022.8	1021.7	1021.1	1020.4	1022.6
Wind Speed	3.3	1.3	1.2	2.2	2.2	1.1	2.0	2.0	0.0	1.7
Wind Direction	250	270	270	330	360	330	10	80	0	
Highest Gust		8.9	9.7	8.9	8.9	7.3	7.3	5.7	4.9	
in interval		58	312	758	920	1239	1736	1805	2104	
		W	W	NNW	N	NNW	N	E	N	
Dry-bulb Temperature	11.0	11.0	11.2	12.6	13.9	13.0	13.2	12.3	11.9	12.2
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	61.2	61.3	64.0	66.9	59.5	59.8	60.1	63.8	64.6	62.4
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.0	0.0	0.0	0.0	0.2		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.0	Maximum	14.2
Duration (hrs)	0.0	Minimum	10.4
1st Day of Month to Date (mm)	2.0	Grass Minimum	6.0
		Total Sunshine	0.2

COMMENTS :-

Maximum Pressure -	1024.0
Minimum Pressure -	1020.4
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD — **Wednesday 13th June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1020.5	1019.2	1019.2	1019.0	1018.3	1017.9	1017.5	1018.4	1018.4	1018.7
Wind Speed	0.0	1.1	0.6	1.7	4.5	3.5	3.3	2.0	2.4	2.1
Wind Direction	0	10	280	340	330	330	330	320	10	
Highest Gust		4.1	4.9	8.1	11.4	13.0	11.4	8.9	5.7	
in interval		35	537	647	1145	1300	1510	1801	2101	
		N	W	NNW	NNW	NNW	NNW	NW	N	
Dry-bulb Temperature	11.8	11.4	11.1	13.9	15.3	14.7	13.4	12.6	11.5	12.9
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.0	0.0	trace	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	
Visibility										
Relative humidity	65.0	67.5	82.9	67.6	52.1	58.1	60.0	62.0	74.7	65.5
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.2	2.4	0.4	0.2	2.0		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	trace	Maximum	16.1
Duration (hrs)	0.2	Minimum	10.4
1st Day of Month to Date (mm)	2.0	Grass Minimum	4.4
		Total Sunshine	5.2

COMMENTS :-

Maximum Pressure -	1020.5
Minimum Pressure -	1017.4
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD **Thursday 14th June 2001**

Hours	0	3	6	9	12	15	18	21	24	
Interval	-	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1018.4	1017.6	1017.4	1016.2	1014.1	1011.6	1010.9	1010.0	1009.1	1013.9
Wind Speed	2.1	1.1	1.0	2.3	4.5	3.7	4.5	5.4	4.7	3.3
Wind Direction	20	80	120	120	120	120	190	140	120	
Highest Gust		4.1	4.1	7.3	15.4	17.0	15.4	16.2	18.7	
in interval		140	408	806	1057	1257	1711	2035	2137	
		E	ESE	ESE	ESE	ESE	S	SE	ESE	
Dry-bulb Temperature	11.4	10.6	11.8	15.9	19.1	19.0	13.8	12.9	12.0	14.1
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.0	0.0	0.0	1.8	trace	0.4	
Duration of Rain (hrs)		0.0	0.0	0.0	0.0	0.0	2.7	0.8	1.8	
Visibility										
Relative humidity	77.6	87.3	79.3	48.0	48.6	47.7	86.4	87.3	89.1	72.4
Dew point Temperature										
Sunshine in interval (hrs)			0.9	0.7	2.2	0.2	0.0	0.7		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	3.8	Maximum	19.4
Duration (hrs)	9.0	Minimum	11.6
1st Day of Month to Date (mm)	5.8	Grass Minimum	10.0
		Total Sunshine	4.7

COMMENTS :-

Maximum Pressure -	1018.5
Minimum Pressure -	1009.0
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD **Friday 15th June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1009.0	1007.4	1006.9	1006.1	1005.7	1005.2	1004.6	1005.1	1004.8	1006.1
Wind Speed	4.7	4.3	3.7	3.9	5.4	1.0	3.8	3.8	4.0	3.8
Wind Direction	120	140	140	160	280	230	130	150	130	
Highest Gust		13.0	13.0	12.2	14.6	16.2	9.7	11.4	8.9	
in interval		1	302	741	937	1347	1740	1801	2344	
		SE	SE	SSE	W	SW	SE	SSE	SE	
Dry-bulb Temperature	12.1	12.3	12.3	14.3	15.5	14.2	13.7	13.4	12.1	13.3
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.8	0.8	0.6	3.0	trace	0.0	0.0	
Duration of Rain (hrs)		0.0	2.3	1.3	0.2	2.5	0.3	0.0	0.0	
Visibility										
Relative humidity	89.1	91.3	97.7	96.4	67.7	85.8	85.7	90.7	93.1	88.6
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.0	1.2	0.4	1.0	2.2		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	3.6	Maximum	18.4
Duration (hrs)	3.0	Minimum	10.9
1st Day of Month to Date (mm)	9.4	Grass Minimum	8.6
		Total Sunshine	4.8

COMMENTS :- Heavy rain recorded 1200-1210 GMT.
Thunderstorm from approx. 1145-1215 GMT

Maximum Pressure -	1009.1
Minimum Pressure -	1004.5
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD — **Saturday 16th June 2001**

Hours	0	3	6	9	12	15	18	21	24	
Interval	-	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1004.9	1004.0	1004.8	1005.6	1006.6	1007.8	1009.7	1012.5	1014.8	1007.9
Wind Speed	3.3	3.3	3.1	4.8	5.6	3.9	5.9	4.9	3.8	4.3
Wind Direction	120	110	100	100	70	50	70	70	60	
Highest Gust		9.7	9.7	13.0	15.4	19.5	17.8	16.2	15.4	
in interval		206	540	827	1001	1414	1621	2014	2156	
		ESE	E	E	ENE	NE	ENE	ENE	ENE	
Dry-bulb Temperature	12.0	11.2	12.4	13.9	15.7	15.1	14.1	12.0	10.8	13.0
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.0	trace	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	92.3	93.8	87.4	77.4	64.5	65.5	65.5	67.7	69.8	76.0
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.0	0.0	0.0	0.4	0.7		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	trace	Maximum	16.0
Duration (hrs)	1.0	Minimum	9.0
1st Day of Month to Date (mm)	9.4	Grass Minimum	7.9
		Total Sunshine	1.1

COMMENTS :-

Maximum Pressure -	1014.8
Minimum Pressure -	1003.9
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD **Sunday 17th June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1014.8	1016.2	1018.5	1021.0	1022.4	1024.4	1026.2	1027.9	1028.9	1022.3
Wind Speed	4.1	2.7	4.1	3.0	6.3	5.7	5.1	5.1	1.6	4.2
Wind Direction	60	30	30	10	340	350	350	340	310	
Highest Gust		13.0	11.4	10.5	16.2	19.5	19.5	14.6	11.4	
in interval		2356	458	747	1141	1321	1606	1811	2117	
		NNE	NNE	N	NNW	N	N	NNW	NW	
Dry-bulb Temperature	10.8	10.0	9.3	10.8	12.4	12.5	11.9	11.7	10.3	11.1
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	trace	trace	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.3	0.5	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	69.2	76.0	78.1	69.8	59.3	60.0	64.3	66.1	68.1	67.9
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.0	0.5	0.0	0.2	1.4		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.0	Maximum	15.0
Duration (hrs)	0.0	Minimum	8.3
1st Day of Month to Date (mm)	9.4	Grass Minimum	5.1
		Total Sunshine	2.1

COMMENTS :-

Maximum Pressure -	1028.9
Minimum Pressure -	1014.7
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD — **Monday 18th June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1029.1	1029.6	1031.0	1030.9	1030.9	1030.3	1030.4	1030.9	1030.3	1030.4
Wind Speed	0.9	3.9	2.7	0.4	1.6	1.3	4.5	0.6	3.3	2.1
Wind Direction	290	270	260	100	30	350	310	300	200	
Highest Gust		11.4	9.7	5.7	7.3	8.1	11.4	12.2	8.9	
in interval		104	410	601	959	1211	1702	1826	2137	
		W	W	E	NNE	N	NW	WNW	SSW	
Dry-bulb Temperature	10.3	8.8	9.2	15.0	16.7	16.3	14.6	13.1	12.9	13.0
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	67.6	91.4	81.4	50.5	47.6	48.6	60.7	70.6	66.5	65.0
Dew point Temperature										
Sunshine in interval (hrs)			1.2	3.0	1.7	0.9	0.2	1.7		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	trace	Maximum	17.0
Duration (hrs)	0.5	Minimum	11.5
1st Day of Month to Date (mm)	9.4	Grass Minimum	9.2
		Total Sunshine	8.7

COMMENTS :-

Maximum Pressure -	1031.3
Minimum Pressure -	1029.1
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD **Tuesday 19th June 2001**

Hours	0	3	6	9	12	15	18	21	24	
Interval	-	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1030.3	1029.0	1028.5	1028.0	1027.5	1026.7	1024.0	1023.6	1021.3	1026.5
Wind Speed	3.3	3.3	4.3	3.9	4.4	5.8	2.8	2.0	2.4	3.6
Wind Direction	190	160	170	170	220	250	200	200	170	
Highest Gust		10.5	12.2	12.2	17.0	17.8	17.8	13.8	15.4	
in interval		56	528	813	1129	1454	1509	1954	2258	
		SSE	S	S	SW	WSW	SSW	SSW	S	
Dry-bulb Temperature	12.9	12.5	12.6	14.2	16.9	17.5	18.8	15.6	14.6	15.1
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	trace	trace	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.5	0.2	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	66.9	67.6	72.2	88.9	69.5	65.8	60.5	58.4	54.7	67.2
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.0	0.4	0.2	1.7	1.7		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	trace	Maximum	19.4
Duration (hrs)	2.8	Minimum	12.4
1st Day of Month to Date (mm)	9.4	Grass Minimum	10.9
		Total Sunshine	4.0

COMMENTS :-

Maximum Pressure -	1030.3
Minimum Pressure -	1021.2
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD — **Wednesday 20th June 2001**

Hours	0	3	6	9	12	15	18	21	24	
Interval	-	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1021.1	1019.9	1019.9	1019.9	1020.6	1021.2	1021.3	1021.8	1021.9	1020.8
Wind Speed	2.9	7.2	3.5	7.8	10.3	6.2	5.0	5.8	4.6	5.9
Wind Direction	150	260	260	290	310	310	310	310	340	
Highest Gust		24.3	19.5	24.3	27.6	22.7	21.1	17.8	17.0	
in interval		120	331	825	931	1202	1503	2046	2130	
		W	W	WNW	NW	NW	NW	NW	NNW	
Dry-bulb Temperature	14.5	13.8	12.7	15.3	14.8	15.6	15.6	12.7	11.1	14.0
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		trace	trace	trace	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.2	1.5	1.0	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	54.6	62.3	100.0	74.6	67.9	54.8	54.7	66.3	67.0	66.9
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.4	1.0	2.5	3.0	2.2		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.0	Maximum	16.4
Duration (hrs)	0.0	Minimum	10.3
1st Day of Month to Date (mm)	9.4	Grass Minimum	8.3
		Total Sunshine	9.1

COMMENTS :-

Maximum Pressure -	1022.3
Minimum Pressure -	1019.4
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD

Thursday 21st June 2001

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1021.9	1021.7	1022.4	1022.9	1022.2	1022.4	1021.9	1022.2	1022.3	1022.2
Wind Speed	4.9	8.4	5.6	6.6	7.4	7.0	5.0	1.0	2.9	5.4
Wind Direction	330	330	320	320	310	300	310	310	330	
Highest Gust		19.5	20.3	21.9	21.9	22.7	21.1	16.2	16.2	
in interval		240	533	759	1019	1219	1614	1802	2251	
		NNW	NW	NW	NW	WNW	NW	NW	NNW	
Dry-bulb Temperature	11.1	11.4	10.4	11.9	12.3	12.7	11.8	11.3	11.2	11.6
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	66.5	58.4	59.6	57.1	56.2	58.8	62.4	67.6	70.8	61.9
Dew point Temperature										
Sunshine in interval (hrs)			0.2	0.7	0.0	0.5	1.4	0.0		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.0	Maximum	13.9
Duration (hrs)	0.0	Minimum	9.7
1st Day of Month to Date (mm)	9.4	Grass Minimum	7.2
		Total Sunshine	2.8

COMMENTS :-

Maximum Pressure -	1023.0
Minimum Pressure -	1021.7
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD — **Friday 22nd June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1022.2	1022.0	1022.7	1022.8	1022.5	1021.4	1020.1	1020.5	1021.2	1021.7
Wind Speed	4.2	2.5	1.3	2.1	3.2	4.4	2.6	5.3	4.5	3.3
Wind Direction	340	310	290	330	340	350	10	130	130	
Highest Gust		13.8	13.0	8.9	11.4	11.4	11.4	18.7	16.2	
in interval		2358	307	634	1017	1229	1532	2027	2325	
		NW	WNW	NNW	NNW	N	N	SE	SE	
Dry-bulb Temperature	11.2	9.9	10.9	13.9	15.5	17.0	16.9	15.9	13.9	13.9
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	65.8	70.0	68.4	59.7	58.7	57.6	63.0	59.5	63.9	63.0
Dew point Temperature										
Sunshine in interval (hrs)			0.0	1.9	2.9	3.0	2.9	2.4		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.0	Maximum	17.9
Duration (hrs)	0.0	Minimum	11.4
1st Day of Month to Date (mm)	9.4	Grass Minimum	10.1
		Total Sunshine	13.1

COMMENTS :-

Maximum Pressure -	1023.1
Minimum Pressure -	1019.8
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD

Saturday 23rd June 2001

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1021.3	1021.0	1021.0	1021.1	1020.6	1020.1	1020.5	1021.5	1022.3	1021.0
Wind Speed	4.5	7.1	6.2	5.0	4.8	4.9	4.6	1.7	1.5	4.5
Wind Direction	120	150	150	140	170	180	310	340	270	
Highest Gust		19.5	21.9	17.0	16.2	15.4	15.4	13.8	4.1	
in interval		229	315	742	1053	1321	1539	1802	2114	
		SSE	SSE	SE	S	S	NW	NNW	W	
Dry-bulb Temperature	13.8	11.8	12.1	14.8	19.7	21.1	16.4	14.5	13.9	15.3
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	64.4	70.4	69.8	64.7	52.7	48.4	64.3	70.3	72.9	64.2
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.0	1.7	2.0	2.2	2.0		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.0	Maximum	21.5
Duration (hrs)	0.0	Minimum	12.4
1st Day of Month to Date (mm)	9.4	Grass Minimum	8.1
		Total Sunshine	7.9

COMMENTS :-

Maximum Pressure -	1022.3
Minimum Pressure -	1019.6
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD — **Sunday 24th June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1022.3	1022.4	1023.9	1024.5	1023.9	1024.8	1024.9	1025.6	1027.0	1024.4
Wind Speed	1.5	0.2	0.0	1.8	3.4	6.2	2.5	2.2	2.5	2.3
Wind Direction	290	270	220	210	350	330	340	350	290	
Highest Gust		4.9	4.1	6.5	8.9	15.4	14.6	10.5	6.5	
in interval		200	342	846	1137	1433	1505	1808	2308	
		W	SW	SSW	N	NNW	NNW	N	WNW	
Dry-bulb Temperature	13.8	12.9	13.6	17.7	20.4	19.8	19.3	16.7	15.2	16.6
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	73.8	84.2	78.1	55.9	50.0	53.1	58.3	65.5	70.1	65.4
Dew point Temperature										
Sunshine in interval (hrs)			0.5	2.9	2.4	2.7	3.0	2.5		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.0	Maximum	22.2
Duration (hrs)	0.0	Minimum	14.2
1st Day of Month to Date (mm)	9.4	Grass Minimum	9.4
		Total Sunshine	14.0

COMMENTS :-

Maximum Pressure -	1027.0
Minimum Pressure -	1022.3
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD

Monday 25th June 2001

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1027.0	1027.4	1027.4	1027.6	1026.7	1025.5	1025.0	1024.7	1023.6	1026.1
Wind Speed	2.2	2.5	2.6	0.8	3.0	3.4	4.3	3.6	3.5	2.9
Wind Direction	300	220	180	190	0	350	340	320	300	
Highest Gust		6.5	6.5	4.9	8.9	11.4	13.8	10.5	8.1	
in interval		104	314	600	1125	1230	1513	1810	2110	
		SW	S	S	N	N	NNW	NW	WNW	
Dry-bulb Temperature	15.1	14.4	15.0	19.3	21.6	21.1	17.9	15.9	14.7	17.2
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	70.0	75.0	73.9	59.0	54.9	58.7	65.7	83.1	92.0	70.3
Dew point Temperature										
Sunshine in interval (hrs)			0.0	1.5	1.7	3.0	3.0	2.4		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	trace	Maximum	23.1
Duration (hrs)	0.7	Minimum	14.3
1st Day of Month to Date (mm)	9.4	Grass Minimum	9.1
		Total Sunshine	11.6

COMMENTS :-

Maximum Pressure - 1028.1

Minimum Pressure - 1023.6

Program run by KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD **Tuesday 26th June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1023.5	1021.8	1019.9	1017.5	1013.9	1010.9	1008.0	1008.6	1008.8	1014.8
Wind Speed	3.6	4.9	6.9	7.0	10.0	7.2	8.3	4.1	2.6	6.1
Wind Direction	300	140	130	140	140	130	120	280	10	
Highest Gust		12.2	23.5	21.9	27.6	27.6	26.8	24.3	13.0	
in interval		240	513	611	1023	1240	1617	1800	2138	
		SE	SE	SE	SE	SE	ESE	W	N	
Dry-bulb Temperature	14.6	15.8	17.0	19.6	25.3	26.3	26.4	22.3	15.7	20.3
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	trace	0.0	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	91.6	78.6	61.0	55.9	42.6	42.4	43.6	55.8	96.0	63.1
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.5	2.7	2.2	3.0	2.4		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	trace	Maximum	26.9
Duration (hrs)	0.2	Minimum	15.4
1st Day of Month to Date (mm)	9.4	Grass Minimum	11.9
		Total Sunshine	10.8

COMMENTS :-

Maximum Pressure -	1023.5
Minimum Pressure -	1007.8
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD — **Wednesday 27th June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1008.7	1008.1	1008.1	1009.3	1010.5	1010.9	1011.7	1012.7	1013.1	1010.3
Wind Speed	2.9	2.5	4.6	4.7	0.9	8.0	8.3	5.2	5.5	4.7
Wind Direction	10	90	260	290	330	260	250	250	250	
Highest Gust		7.3	14.6	14.6	13.8	22.7	24.3	25.1	27.6	
in interval		2359	536	609	903	1305	1546	1953	2222	
		E	W	WNW	NNW	W	WSW	WSW	WSW	
Dry-bulb Temperature	15.6	16.2	17.3	16.9	17.4	19.3	17.7	15.4	14.9	16.7
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	trace	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	96.7	93.0	81.4	85.9	79.9	59.8	56.6	65.8	72.8	76.9
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.0	0.0	2.2	1.9	2.4		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	0.2	Maximum	20.2
Duration (hrs)	1.7	Minimum	13.7
1st Day of Month to Date (mm)	9.6	Grass Minimum	8.7
		Total Sunshine	6.5

COMMENTS :-

Maximum Pressure -	1013.2
Minimum Pressure -	1007.7
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD — **Thursday 28th June 2001**

Hours	0	3	6	9	12	15	18	21	24	
Interval	-	0-3	3-6	6-9	9-12	12-15	15-18	18-21	21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1013.2	1013.7	1013.4	1014.6	1015.3	1016.3	1016.5	1017.8	1018.2	1015.4
Wind Speed	4.7	3.3	2.0	2.5	3.3	3.7	5.4	3.0	3.1	3.4
Wind Direction	240	240	240	160	330	320	260	230	170	
Highest Gust		13.0	13.8	9.7	9.7	12.2	20.3	21.1	14.6	
in interval		10	500	822	1132	1219	1741	1835	2118	
		WSW	WSW	SSE	NNW	NW	W	SW	S	
Dry-bulb Temperature	14.8	14.0	14.6	14.2	17.1	17.2	18.3	16.6	16.4	15.9
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	0.0	0.2	trace	0.0	0.0	trace	0.0	
Duration of Rain (hrs)		0.0	0.0	1.7	0.2	0.0	0.0	0.2	0.0	
Visibility										
Relative humidity	73.1	84.5	71.8	93.3	67.2	66.8	56.9	60.2	65.6	71.0
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.0	0.4	2.2	2.4	1.9		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	trace	Maximum	19.6
Duration (hrs)	1.3	Minimum	14.1
1st Day of Month to Date (mm)	9.6	Grass Minimum	12.3
		Total Sunshine	6.9

COMMENTS :-

Maximum Pressure -	1018.2
Minimum Pressure -	1013.2
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD — **Friday 29th June 2001**

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1018.2	1017.2	1017.1	1016.6	1016.3	1016.1	1015.6	1016.7	1017.2	1016.8
Wind Speed	3.4	6.0	4.4	3.8	7.2	6.1	10.2	4.7	4.5	5.6
Wind Direction	180	180	160	220	240	230	260	250	200	
Highest Gust		14.6	16.2	13.8	21.9	24.3	29.2	26.0	15.4	
in interval		248	312	859	1111	1204	1556	1817	2201	
		S	SSE	SW	WSW	SW	W	WSW	SSW	
Dry-bulb Temperature	16.3	15.6	15.6	18.6	19.1	17.8	19.8	16.2	13.9	17.0
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	trace	0.0	trace	trace	trace	0.0	0.0	
Duration of Rain (hrs)		0.0	1.0	0.0	0.2	1.2	0.2	0.0	0.0	
Visibility										
Relative humidity	65.6	68.6	86.2	59.7	62.7	84.6	48.2	60.6	71.3	67.5
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.0	0.0	0.5	2.5	2.5		
Weather in previous interval										

RAINFALL (09 NEXT DAY)		TEMPERATURES (09 NEXT DAY)	
Amount (mm)	trace	Maximum	20.8
Duration (hrs)	1.7	Minimum	13.3
1st Day of Month to Date (mm)	9.6	Grass Minimum	8.3
		Total Sunshine	5.5

COMMENTS :-

Maximum Pressure -	1018.2
Minimum Pressure -	1015.1
Program run by	KTF

PROUDMAN OCEANOGRAPHIC LABORATORY

BIDSTON OBSERVATORY, BIRKENHEAD

Saturday 30th June 2001

Hours Interval	0 -	3 0-3	6 3-6	9 6-9	12 9-12	15 12-15	18 15-18	21 18-21	24 21-24	MEAN
Barometer Reading										
Corrected Reading mb to MSL	1017.2	1017.6	1017.7	1018.9	1020.2	1021.1	1023.1	1024.8	1026.3	1020.8
Wind Speed	4.0	2.5	4.8	8.1	8.5	11.4	8.5	4.2	2.3	6.0
Wind Direction	210	200	250	290	290	290	290	300	270	
Highest Gust		13.0	13.8	22.7	28.4	28.4	29.2	26.0	17.8	
in interval		144	501	851	1129	1339	1517	1813	2137	
		SSW	WSW	WNW	WNW	WNW	WNW	WNW	W	
Dry-bulb Temperature	14.2	14.4	14.9	15.9	19.0	20.3	17.6	16.2	15.7	16.5
Wet-Bulb Temperature										
Forms of cloud										
Total amount of cloud										
Rain in interval (mm)		0.0	trace	0.0	0.0	0.0	0.0	0.0	0.0	
Duration of Rain (hrs)		0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	
Visibility										
Relative humidity	70.0	71.4	71.2	63.5	52.3	50.2	60.1	67.3	66.4	63.6
Dew point Temperature										
Sunshine in interval (hrs)			0.0	0.9	2.4	2.7	0.5	1.0		
Weather in previous interval										

RAINFALL (09 NEXT DAY)	
Amount (mm)	0.0
Duration (hrs)	0.0
1st Day of Month to Date (mm)	9.6

TEMPERATURES (09 NEXT DAY)	
Maximum	20.5
Minimum	15.3
Grass Minimum	12.6
Total Sunshine	7.5

COMMENTS :-

Maximum Pressure -	1026.5
Minimum Pressure -	1017.1
Program run by	KTF