



Australian Government

Bureau of Meteorology

"Weather to e-book"

E-book space at the Bureau of Meteorology

Rosa Serratore

Chief Librarian

National Meteorological Library



Australian Government

Bureau of Meteorology

Community Chest

**GET OUT
OF JAIL, FREE**



THIS CARD MAY BE KEPT UNTIL NEEDED OR SOLD

© 1955 PARKER BROTHERS, INC.



Australian Government

Bureau of Meteorology





Australian Government

Bureau of Meteorology



Australian Government
Bureau of Meteorology

Annual Climate Summary 2012







[Bureau Home](#) > [Australia](#) > [Victoria](#) > Victorian Forecasts

Victorian Forecasts



View the current warnings for Victoria

Land Areas

Melbourne metropolitan area

Geelong and Surf Coast

Mornington Peninsula

7-day town forecasts
via clickable map

Forecast summary for
Victorian towns

District forecasts
via clickable map

Victoria State forecast

Forecast rainfall

Forecast wind

Australian Alps
Weather

7-day forecasts and
latest weather graphs



Marine Areas

Local & coastal waters
forecasts via clickable map

Port Phillip

Western Port

Gippsland Lakes

Bass Strait and approaches

Tide predictions for Victoria

High seas

More Forecasts

UV index

Fire danger ratings

Major cities

Outlooks

Rainfall

Temperature

Seasonal streamflow

Graphical Views

Forecast Explorer™

3-hourly forecasts via
interactive map



Land view Marine view

Wind and wave forecast maps
for Port Phillip and Western Port

Weather and wave maps

Short-term forecast map

Forecast maps for next 4 days

Notice Board

- Media Releases
- 8th Victorian Flood Conference – 13 to 15 February, 2013
- Wimmera Machinery Field Days – 5 to 7 March, 2013

Why is
observing
space
weather
important?



READ MORE

Meteorological Offices

- Mildura weather

Other Information

- Coastal Wind Warning Reference Points
- Severe Thunderstorms in Victoria
- About Graphical Severe Thunderstorm Warnings in Vic
- About Weather Forecast Services
- About Warning Services



[Bureau Home](#) > [Australia](#) > [Victoria](#) > [Observations](#) > Latest Weather Observations for the Melbourne Area

Latest Weather Observations for the Melbourne Area

[About weather observations](#) [Map of Melbourne area stations](#) [All VIC observations](#) [Latest VIC observations](#) [Latest Coastal VIC observations](#)

IDV60900

Issued at 4:55 pm EDT Thursday 28 February 2013 (issued every 10 minutes, with the page automatically refreshed every 5 minutes)

Where no observation is available within the last 75 minutes, the latest observation is shown in *italics and coloured* and removed from the table after 72 hours. Station names link to data for the previous 72 hours.

MELBOURNE AREA

	Date/Time EDT	Temp °C	App Temp °C	Dew Point °C	Rel Hum %	Delta T °C	Wind					Press hPa	Rain since 9 am mm	Low Temp °C time	High Temp °C time	Highest Wind Gust		
							Dir	Spd km/h	Gust km/h	Spd kts	Gust kts					Dir	km/h time	kts time
Melbourne	28/04:54pm	20.3	12.5	6.6	41	6.9	-	37	-	20	-	1016.9	0.6	14.2 05:03am	21.4 03:54pm	-	-	-
Melbourne Airport	28/04:55pm	17.0	8.8	4.6	44	5.9	S	37	43	20	23	1017.0	0.2	13.9 05:15am	18.3 04:15pm	S	54 10:55am	29 10:55am
Avalon	28/04:55pm	19.2	11.6	7.6	47	5.9	S	37	41	20	22	1017.9	0.0	14.4 07:21am	20.4 01:08pm	S	54 02:34pm	29 02:34pm
Bundoora	28/09:00am	15.3	10.9	9.1	66	3.2	SSE	22	-	12	-	-	19.0	-	-	-	-	-
Cerberus	28/04:55pm	17.1	13.0	7.7	54	4.7	S	19	24	10	13	-	0.0	14.5 08:11am	19.1 01:46pm	SSW	50 01:21pm	27 01:21pm
Coldstream	28/04:54pm	19.1	15.0	7.8	48	5.8	S	19	22	10	12	1016.4	0.2	13.6 07:28am	19.9 03:21pm	S	44 02:16pm	24 02:16pm
Cranbourne	28/09:00am	15.0	11.6	7.6	61	3.7	S	15	-	8	-	-	5.0	-	-	-	-	-
Essendon Airport	28/04:54pm	18.2	10.8	8.2	52	5.1	S	37	44	20	24	1017.2	0.0	14.0 04:25am	19.2 04:33pm	S	56 01:39pm	30 01:39pm
Fawkner Beacon	28/04:54pm	-	-	-	-	-	SSE	37	41	20	22	-	-	-	-	S	59 06:12am	32 06:12am
Ferry Creek	28/04:55pm	13.2	9.7	7.0	66	3.1	ESE	15	17	8	9	-	0.2	9.6 06:19am	15.3 02:54pm	S	30 02:35am	16 02:35am
Frankston	28/04:55pm	17.4	12.8	6.5	48	5.4	SW	20	26	11	14	-	-	14.6 07:52am	19.3 04:28pm	SSW	39 12:02pm	21 12:02pm
Geelong Racecourse	28/04:55pm	17.8	11.2	6.0	46	5.8	S	30	33	16	18	-	0.0	13.9 06:24am	19.3 11:15am	S	54 03:58pm	29 03:58pm
Laverton	28/04:54pm	17.5	10.9	7.8	53	4.9	S	32	41	17	22	1017.4	0.0	15.1 12:48am	18.4 11:16am	S	50 04:14pm	27 04:14pm
Moorabbin Airport	28/04:55pm	18.9	13.0	7.4	47	5.8	S	28	33	15	18	1017.1	0.0	15.2 06:53am	20.2 04:36pm	S	46 09:59am	25 09:59am
Phillip Island	28/03:00pm	17.6	8.9	8.3	54	4.8	S	44	-	24	-	-	Trace	-	-	-	-	-
Point Wilson	28/04:54pm	-	-	-	-	-	S	30	43	21	23	-	-	-	-	S	50	32



Improving water information



Groundwater Dependent Ecosystems Atlas

The Groundwater Dependent Ecosystems Atlas is the most comprehensive inventory of the location and characteristics of groundwater dependent ecosystems for Australia.

[» Continue reading about the Atlas](#)

1 2 3 4 5



Water data

- Design Rainfalls
- Environmental Monitoring Sites
- Geofabric
- Groundwater Dependent Ecosystems Atlas
- Hydrologic Reference Stations



Water status

- Australian Water Resources Assessment
- National Water Account
- Water Storage



Water forecasts

- Floods
- Streamflow Forecasts

Related links

- [Rain, River & Storage Data](#)

Water links

- [Water Act 2007](#)
- [Water Regulations 2008](#)
- [Water Market Reports](#)
- [Water Dictionary](#)
- [Publications](#)
- [News](#)
- [Contact Us](#)

Stay informed
[SUBSCRIBE here](#)



Available on the
App Store





[Bureau Home](#) > Marine & Ocean

Marine & Ocean

NSW

VIC

QLD

WA

SA

TAS

NT



Warnings



Select state using
the tabs above.

Current:

- Coastal Waters Wind Warning for New South Wales waters between Seal Rocks and Gabo Island,
- Local Waters Wind Warning for Sydney Closed Waters,
- Ocean Wind Warning 3.

Reference points used in Coastal Wind Warnings

Forecasts



Forecast Explorer™

3-hourly marine forecasts via interactive map

Wind and wave forecast maps
for Sydney



Local & coastal waters
forecasts via clickable map

Sydney closed waters

High seas

Observations



Coastal observations
via clickable map

Latest coastal weather



Latest weather graphs
via clickable map

Latest weather for the Sydney area

Radar Viewer

National Services

Forecast
Wind

Tides and
Sea Level

Sea
Temperature
& Currents

Interactive
Weather and
Wave Maps

High Seas
Forecasts

Coral
Bleaching in
the Great
Barrier Reef

- About marine weather and ocean services
- Safety
- Communication services

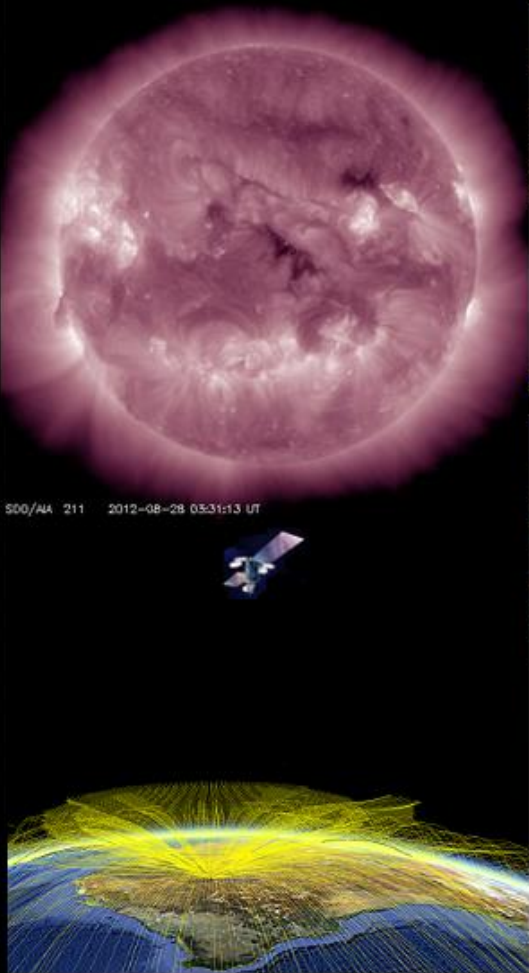
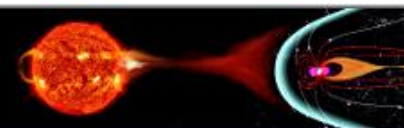
Check the weather before you go!

5

vital checks



- Averages and trends
- Definitions
- Give feedback



S00/AA 211 2012-08-28 05:31:13 UT

Today's Space Weather

Thursday 28 February last updated 27/2331 UT

Very low to low solar flare activity. Light solar wind. Geomagnetic conditions at quiet levels. High-frequency radio communications normal, with some moderate MUF depressions in the Australian region.

[Detailed forecast](#) | [Current conditions](#) | [Explanation](#)

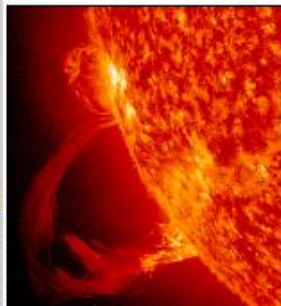
Site News

28/02/13
FORECAST SOL: Normal ● MAG: Normal ● ION: Moderate ⚠
30/01/13
[Changes to improve WCAG 2.0 compliance are complete.](#)
18/12/12
[Revised HF prediction tools are available.](#)
03/09/12
[Mon 3 Sep: 1 hour outage from 3UT for essential work on Internet equipment](#)

[Site News in full](#)

What is Space Weather ?

Space weather refers to changes in the space environment, particularly the region between the Earth and Sun. The "solar wind" from the Sun stream past the Earth and is mostly deflected by the Earth's magnetic field, but variations in the solar wind cause changes in the Earth's magnetic field.



Occasionally, a huge release of magnetic energy, called a solar flare, occurs on the Sun. Flares can produce large quantities of x-rays which affect the Earth's atmosphere. They can also accelerate atomic particles (mostly protons) to very high speeds (a substantial fraction of the speed of light!). These high



What's Inside



The IPS Advanced Stand Alone Prediction System (ASAPS) allows the prediction of sky wave communication conditions

[Read More](#)



Australian Government

Bureau of Meteorology

The Bureau's people

- Distributed workforce of 1750 FTE
- Head Office (700 Collins St)
- 7 Regional Offices
- Tropical Cyclone Warning Centres (Perth, Darwin & Brisbane) when required
- Volcanic Ash Advisory Centre (Darwin)
- National Tidal Centre (Adelaide)
- 50 field offices & other installations (Australia, neighbouring islands & Antarctica)
- 300 paid cooperative observers
- 6000 voluntary rainfall observers



Australian Government

Bureau of Meteorology



Murray Weaver, Officer in Charge of the Giles weather station, Western Australia premises, 1958



Australian Government

Bureau of Meteorology

Collection: subject coverage

Antarctic

Ionosphere

Computing

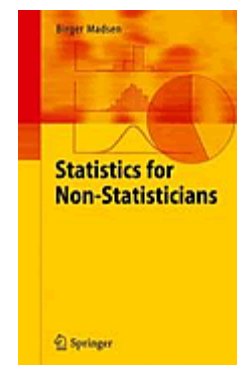
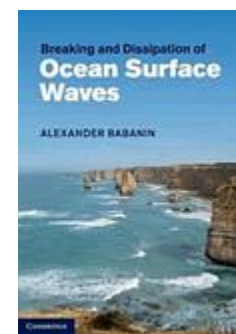
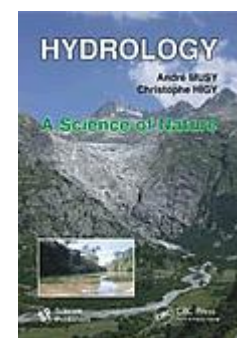
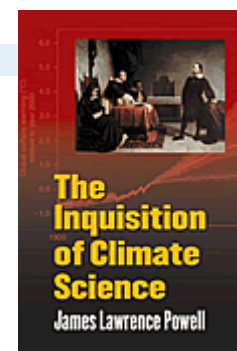
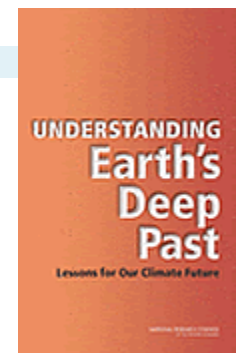
Hydrodynamics, fluid mechanics, fluid dynamics

Hydrology

Climate change

Environmental information

Meteorology (Australian)





Australian Government
Bureau of Meteorology

Product placement

Search Add Blogs Forums Configure My Account Reports Library Help
Print / View E-mail Download Add To Edit Copy Social Status

Search Add
Search B

View AMOJ Index Record

Title Documentation and verification of the world extreme wind gust record: 113.3 m/s
Author(s) Courtney, J.
Buchan, S.
Cerveny, R.S.
Bessemoulin, P.
Peterson, T.C.
Rubiera Torres, J.M.
Beven, J.
King, J.

Search him

View Open Access

Title [Historical Hurricane Tracks](#)
Author National Oceanic and Atmospheric Administration
Copyright date 2010
Description The NOAA Historical Hurricane Tracks Tool contains data on hurricanes and tropical storms that incorporates NOAA's International Best Track Archive for Climate Migration (IBTrACS).
Categories Meteorology
International organisations
URL <http://www.csc.noaa.gov/beta/hurricanes/>
Keyword Tags hurricanes

Remove
 Clear List

fication of a new

al Abs'

Ther



Australian Government

Bureau of Meteorology

Our E-book adventure begins



- Trial in 2007
- 8 accounts in 2008
- Still subscribing

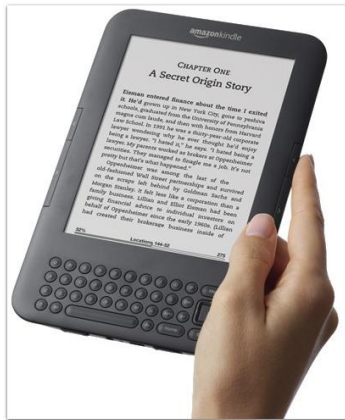


- Iliad e-reader trial in 2008
- Not much interest
- [Image © 2007-2013 [Allure Media](#)]



Australian Government

Bureau of Meteorology



- 2010 x2 Kindle e-readers (Kindle & DX)
- Shared titles
- NML "Policy" documents (PDF)
- Lots of interest!

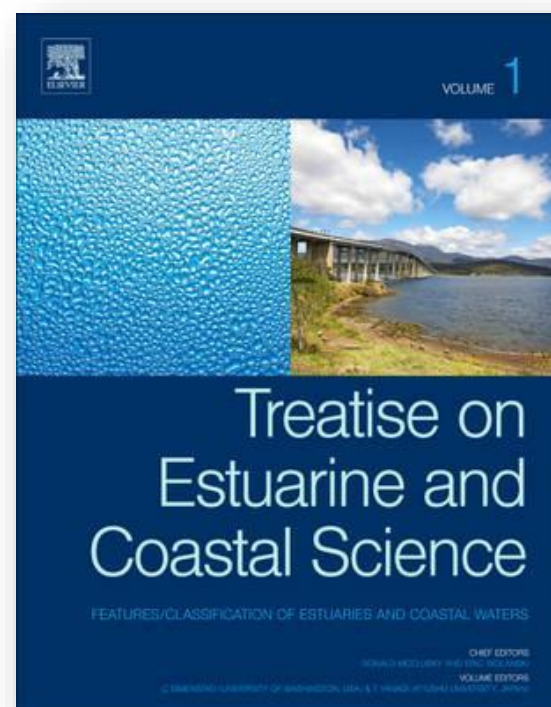
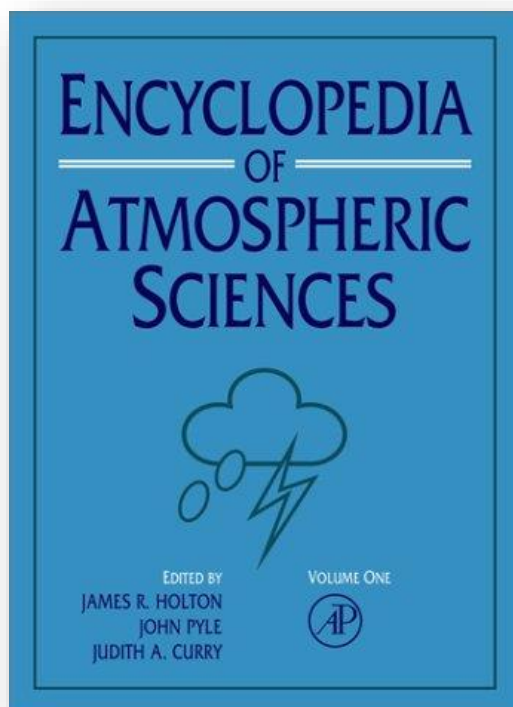


- 2011
- "build-your-own"
- Perpetual ownership
- Multi-user access



Australian Government

Bureau of Meteorology





Australian Government

Bureau of Meteorology

Drivers

Cost

Footprint

Distributed workforce

Accessibility

Client driven expectation

Currency



Australian Government

Bureau of Meteorology

Access model issues & challenges

Hardware & software	Human
Discoverability (MARC records)	Expectations
Multiple platforms	Sharing Safari tokens
Single vs limited vs unlimited access	End-user training
Flexible content: downloads, printing, loans	Online experience
Access on mobile devices	Print copies
ICT infrastructure	Resource sharing



Australian Government

Bureau of Meteorology



© 2000-2013, Zazzle Inc



© 2013 Twelve South LLC.



Australian Government

Bureau of Meteorology

