

GCOS monitoring of Antarctica

Steve Colwell

British Antarctic Survey

Main monitoring page

- http://www.antarctica.ac.uk/met/jds/met/SCAR_oma.htm

Monitoring

▶ UK Met Office global monitoring	▶ Australian BoM global monitoring
▶ ECMWF global monitoring	▶ NCDC data list
▶ Operational GSN stations with recent missing CLIMAT messages in the last 12 months (updated 2013 August) are: 88889 (September, February, May), 89327 (May, June, July), 89606 (June), 89625 (September, October, November, January, February, March, April, May, June), 89662 (October, November, December, January, February), 89879 (July). Non operational GSN stations are: 68992, 89377. Summer only GSN stations are 89327. Please check our GCOS AntON CLIMAT monitoring results if your station is listed here and resend the data for the missing month(s). See the latest CLIMATs to check if your report has been received at BAS. See CLIMAT data for Antarctic AWS for all the University of Wisconsin AWS.	▶ The first five stations to submit CLIMAT reports for August were Bellingshausen, Novolazarevskaya, Progress, Mirnyj and Neumeyer. ▶ WMO no longer require distribution of the CLIMAT TEMP message and monitoring of these has ceased.
▶ BAS GTS monitoring	▶
▶ BAS GCOS monitoring results for SYNOP and TEMP messages from the Antarctic and Oceanic Islands (AntON) (Updated 2013 August). Several AWS experience problems with low battery voltages restricting real-time transmissions during the winter. If your SYNOP or TEMP message percentage is lower than you think it should be, please check your GTS routing.	▶ All GUAN stations are now carrying out at least some radiosonde flights each month. Several stations experience problems with balloons bursting early during the winter due to low stratospheric temperatures.
<ul style="list-style-type: none"> • AntON CLIMAT monitoring in 2013 • AntON CLIMAT monitoring in 2012 • AntON CLIMAT monitoring in 2011 • ABCN CLIMAT monitoring in 2010 • ABCN CLIMAT monitoring in 2009 • ABCN CLIMAT monitoring in 2008 • ABCN CLIMAT monitoring in 2007 • ABCN CLIMAT monitoring in 2006 	<ul style="list-style-type: none"> • AntON SYNOP monitoring in 2013 • AntON SYNOP monitoring in 2012 • AntON SYNOP monitoring in 2011 • ABCN SYNOP monitoring in 2010

Ships

▶ Ships reporting in 2004/05	▶ Ships reporting in 2005/06
▶ Ships reporting in 2006/07	▶ Ships reporting in 2007/08
▶ Ships reporting in 2008/09	▶ Ships reporting in 2009/10
▶ Ships reporting in 2010/11	▶ Ships reporting in 2011/12
▶ Ships reporting in 2012/13	▶ Ships reporting in 2013/14 [Updated 2013 August 30]
▶ Sign up to send met reports through Yotreps	▶ Latest list of ships with significant errors/biases in their reports
▶ Download electronic met logbook software from the VOS website	▶ Download Turbowin and instruction for sending messages here
▶ Oceanographic ship locations (Sailwx)	▶ Ship locations (Sailwx)

AntON CLIMAT monitoring

- http://www.antarctica.ac.uk/met/jds/met/AntON_CLM_2013.pdf

Performance of the Antarctic Observing Network (AntON) 2013 CLIMAT MESSAGES

Surface stations

This chart shows the status of CLIMAT messages during 2013 for stations in the EC-PORS zone of interest, M = message on GTS, B = message generated from SYNOP by BAS, S = message received at a centre, but not on GTS, NIL = Insufficient SYNOP messages to generate a CLIMAT. Off green = Message on the GTS contains errors (GSN station, many are not significant), Pale green = 80% or more SYNOP messages available, Yellow = NIL message received, Pale yellow = Less than 80% SYNOP messages available, Amber = Silent non GSN station, Red = Silent GSN station. NOTE monitoring does not distinguish between problems with generation and transmission of messages. Monitoring is manual and may have errors.

WMO no	Station	GSN	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sub Antarctic stations (in Region I, III or V)														
61997	Isle Crozet	X	M	M	M	M	M	M	M					
61998	Isle Kerguelen	X	M	M	M	M	M	M	M					
68906	Gough Island	X	M	M	M	92 N	M	M	M					
68992	Bouvetoya	X												
68994	Marion Island	X	M	M	M	92 N	M	M	M					
88878	Pebble Island		NIL	NIL	NIL	NIL	NIL	NIL	NIL					
88883	Weddell Island		NIL	NIL	NIL	NIL	NIL	NIL	NIL					
88889	Mount Pleasant Airport	X	M	100	M	M	100	M	M					
88892	Sapper Hill			18	26	0	0	0	0					
88897	Sea Lion Island		NIL			0	0	0	0					
88900	Bird Island		M	M	M	M	M	M	M					
88903	Grytviken	X	M	M	M	M	M	M	M					
88986	South Thule Island		B	B	B	B	B	B	B					
93929	Enderby Island AWS		B	B	B	B	B	B	B					
93947	Campbell Island AWS	X	M	M	M	M	M	M	M					
94997	Heard Island (The Spit)		B	B	B	B	B	B	B					
94998	Macquarie Island	X	M	M	M	M	M	M	M					
95997	Heard Island (Atlas Cove)					0	0	0	0					
Antarctic stations														
WMO no	Station													
88963	Esperanza	X	M	M	M	M	M	M	M					
88968	Orcadas	X	M	M	M	M	M	M	M					
89002	Neumayer	X	M	M	M	M	M	M	M					
89003	Halvfaryggen EP11		NIL	B	B	B	B	B	B					

AntON SYNOP and TEMP monitoring

- [http://www.antarctica.ac.uk/met/jds/met/AntON SYN 2013.pdf](http://www.antarctica.ac.uk/met/jds/met/AntON_SYN_2013.pdf)

Upper air stations

The monthly columns show the status of TEMP messages with data to 100 hPa (after quality control) on the GTS, with yellow representing less than 70% of expected messages, amber representing less than 40% and red less than 10% of messages. Figures in bold include flights that did not appear on the GTS. Stations are assessed against their published programme in WMO No 9, Vol A at the beginning of the year.

NOTE monitoring does not distinguish between problems with generation and transmission of messages. Monitoring is manual and may have errors and there are occasional breaks in the BAS GTS feed. The 100 hPa level is chosen as the minimum target level for GUAN stations, but balloon performance often degrades during the polar winter and not all flights reach this level.

INDEX	STATION NAME		GUAN	1	2	3	4	5	6	7	8	9	10	11	12
61998	ILES KERGUULEN	12	X	74	53	70	66	74	70	77					
68906	GOUGH ISLAND	00	X	0	0	74	86	0	0	0					
68906	GOUGH ISLAND	12	X	0	0	64	76	0	0	0					
68994	MARION ISLAND	00	X	83	85	48	0	0	0	0					
68994	MARION ISLAND	12	X	77	71	41	0	0	0	0					
88889	MOUNT PLEASANT AIRPORT	00	X	83	96	90	96	83	96	90					
88889	MOUNT PLEASANT AIRPORT	12	X	0	10	0	0	0	0	0					
94998	MACQUARIE ISLAND	00	X	96	100	100	96	96	96	96					
94998	MACQUARIE ISLAND	12	X	100	100	96	96	96	96	96					
89002	NEUMAYER	12	X	93	96	93	76	90	73	74					
89009	AMUNDSEN-SCOTT	00	X	96	96	100	100	87	80	19					
89009	AMUNDSEN-SCOTT	12	X	96	85	22	0	0	0	0					
89022	HALLEY	12	X	96	100	96	100	100	86	68					
89055	BASE MARAMBIO (CENTRO MET. ANTARTICO)	12	X	42	43	26	37	26	33	35					
89062	ROTHERA	12		58	57	54	53	51	53	52					
89512	NOVOLAZAREVSKAJA	00	X	93	89	93	86	93	63	80					
89512	NOVOLAZAREVSKAJA	12	X	0	35	0	0	25	0	0					
89532	SYOWA	00	X	87	92	93	83	90	90	58					
89532	SYOWA	12	X	83	85	80	90	90	76	67					
89564	MAWSON	12	X	100	96	100	93	90	96	96					
89571	DAVE	00	X	96	96	96	96	100	93	87					
89571	DAVE	12	X	96	0	0	0	0	0	0					
89592	MIRNYJ	00	X	96	100	93	100	90	96	87					
89592	MIRNYJ	12	X	0	39	0	0	38	0	0					
89611	CASEY	00	X	100	96	90	93	96	86	80					
89611	CASEY	12	X	100	96	100	93	96	93	83					
89625	CONCORDIA	12		58	0	0	0	0	0	0					
89642	DUMONT D'URVILLE	00	X	83	92	80	83	83	80	45					
89662	MARIO ZUCCELLI STATION	00		77	0	0	0	0	0	0					
89662	MARIO ZUCCELLI STATION	12		74	0	0	0	0	0	0					
89664	MCMURDO	00	X	100	100	93	80	64	0	0					
89664	MCMURDO	12	X	100	96	22	0	0	0	0					

Notes: Balloons at 89009, 89022, 89625, 89642 and 89664 and to a lesser extent at other Antarctic stations, burst early in the winter months due to the low stratospheric temperature.

Message



From: Steve Colwell [src@bas.ac.uk]
 To: Colwell, Steve
 Cc:
 Subject: Missing synopsis file

Sent: Tue 01/10/2013 08:05

Id	Date	Days late	Name
23074	2013 08 30 15	-31	DUDINKA
25034	2013 09 17 06	-14	BUHTA AMBARCIK
25173	2013 08 31 06	-31	MYS SHMIDTA
25325	2013 08 18 21	-43	UST' -OLOJ
25594	2013 08 31 18	-30	BUHTA PROVIDENJA
25677	2013 08 31 06	-31	BERINGOVSKAJA
25932	2013 09 17 12	-13	TAJGONOS
71907	2013 09 17 12	-13	INUKJUAK A, QUE INUKJUAK A UA, QUE
85830	2013 09 13 12	-17	CHAITEN
88986	2013 08 02 13	-59	SOUTH THULE IS.
89327	2013 09 26 00	-5	UNIV. WI ID 8981 (MOUNT SIPLE)
89332	2013 06 28 14	-94	UNIV. WI ID 21361 (ELIZABETH)
89377	2013 09 25 21	-5	UNIV. WI ID 8908 (LETTAU)
89610	2013 09 25 02	-6	CASEY (CAPE POINSETT)
94122	2013 08 30 06	-32	POINT FAWCETT
94147	2013 07 11 12	-81	CAPE WESSEL AWS
94388	2013 07 11 21	-81	LADY ELLIOT ISLAND
94643	2013 09 13 21	-17	BALGAIR
94791	2013 07 11 21	-81	COFFS HARBOUR MO

AntON Ship monitoring

- <http://www.antarctica.ac.uk/met/jds/met/Antarctic%20ships%202012.pdf>

List of ships that operated in Antarctica during the 2012/13 season, with call signs and names.

The SCAR and WMO request that all ships operating in Antarctic waters should make meteorological observations and report them on the GTS.

The following ships, which entered Antarctic waters in 2012/2013, made meteorological reports, they may have reported from outside Antarctic waters after the date given here. For most ships the 2012 season begins in November or December and ends in March. Country is the country of recruitment to the VOS, or where not known of registration. Monitoring is manual and may miss some ships.

Call sign	Name	Country	Arrive	Depart	latest obs
9HJD9	Celebrity Infinity (Tourist)	USA	2013 February	2013 February	
C6JC3	Bremen (Tourist)	Germany	2012 November	2013 February	2012 December
C6TE3	Orion (Tourist)	Bahamas	2013 January	2013 February	
CCAQ	Aquiles (Supply)	Chile	2013 February	2013 February	
CCOV	Oscar Viel (Supply)	Chile	2013 January	2013 February	
DBLK	RV Polarstern (Research)	Germany	2012 December	2013 March	2013 April
FHZI	L'Astrolabe (Supply)	France	2012 October	2013 February	2013 April
FLSY	Le Boreal (Tourist)	France	2012 December	2013 February	
GXRK	HMS Protector (Hydrographic)	UK	2012 November	2013 March	(5)
JPAT	Umitaka Maru (Fisheries research)	Japan	2013 January	2013 January	2013 April
OXGN2	Mary Arctica (Containership)	Denmark	2012 December	2013 January	
PBGH	Prinsendam (Tourist)	Netherlands	2013 February	2013 February	
PBQK	Plancius (Tourist)	Netherlands	2012 November	2013 April	2013 April
PDZS	Europa (Ice strengthened tall ship)	Netherlands	2012 December	2013 March	(8)
PHEO	Veendam (Tourist)	Netherlands	2013 January	2013 February	
UCKZ	Akademik Fedorov (Research)	Russia	2012 December	2013 March	2013 April
VNAA	RV Aurora Australis (Supply)	Australia	2012 September	2013 February	2013 March
WBP3210	Nathaniel B Palmer (Oceanographic)	USA	2012 August	2013 March	2013 April
WCX7445	Laurence M Gould (Oceanographic)	USA	2012 June	2013 April	2013 April
WDG4379	Ocean Giant (Cargo)	USA	2013 February	2013 March	
WHKM	Maersk Peary (Oil Tanker)	USA	2013 February	2013 February	2013 February
ZDLP	RRS James Clark Ross (Research)	UK	2012 November	2013 April	2013 April (7)

Latest Antarctic CLIMAT messages received at BAS

- <http://www.antarctica.ac.uk/met/READER/GCOS/climat.html>

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www.antarctica.ac.uk/met/READER/GCOS/climat.html

Google

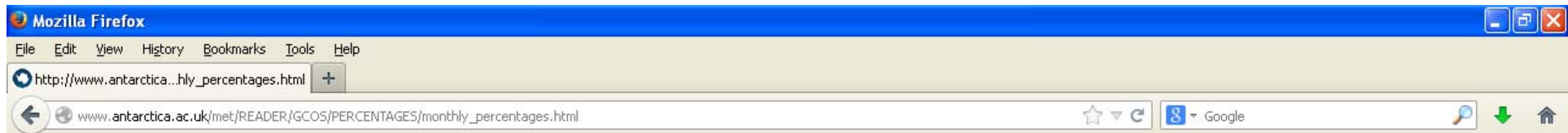
Latest valid CLIMAT messages received at BAS

Last run on 2013-09-30 at 10:55

ID	Year	Month	Station pressure	MSL pressure	Temperature
61997	2013	08	994.2	1012.3	3.8
61998	2013	08	998.5	1002.2	2.5
88889	2013	08	992.2	1001.4	2.5
88900	2013	08	995.8	996.1	-0.4
88903	2013	08	991.5	991.7	-0.1
88963	2013	08	989.8	992.9	-10.7
88968	2013	08	992.9	994.5	-9.6
89002	2013	08	987.0	992.3	-21.5
89003	2013	08	904.6	-999.0	-999.0
89004	2013	08	886.9	994.6	-22.1
89009	2013	08	684.6	-999.0	-53.3
89013	2013	08	765.7	-999.0	-45.9
89014	2012	02	925.2	986.4	-8.1
89016	2012	09	939.3	-999.0	-999.0
89022	2013	08	991.6	995.8	-29.1
89034	2013	08	962.9	996.6	-18.2
89050	2013	08	990.0	991.9	-8.1
89053	2013	08	991.3	992.7	-7.5
89054	2013	08	989.4	991.7	-7.6
89055	2013	08	967.5	993.1	-14.2
89056	2013	08	986.8	991.6	-8.0
89057	2013	08	991.3	991.9	-8.0
89058	2013	08	989.8	991.9	-8.1
89059	2013	08	989.7	991.2	-7.5
89061	2013	08	988.9	989.9	-6.6
89062	2013	08	984.0	988.2	-9.5
89063	2013	08	988.8	989.9	-7.7
89065	2013	08	979.9	988.0	-14.2
89066	2013	08	988.6	989.5	-10.5
89087	2011	06	809.3	-999.0	-36.0
89108	2013	08	694.3	-999.0	-52.1
89251	2013	08	989.1	990.5	-7.8
89257	2013	08	986.7	992.2	-28.3
89262	2013	08	987.2	992.7	-9.5
89266	2013	08	978.0	993.2	-20.7
89269	2013	08	-999.0	-999.0	-3.6

Percentage of SYNOPS for main synoptic hours received at BAS on the GTS

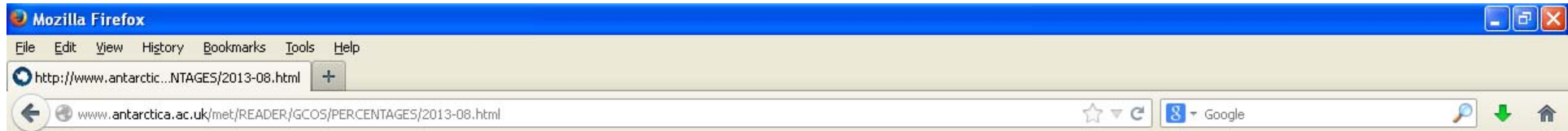
- http://www.antarctica.ac.uk/met/READER/GCOS/PERCENTAGES/monthly_percentages.html



Percentage of SYNOPSIS for main synoptic hours received via the GTS (Global Telecommunication System) at BAS (British Antarctic Survey)

This is from the data feed that we receive at BAS from the UK Met Office, it is a partial feed only including stations of interest to BAS and it is subject to some interruption

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1998	01	02	03	04	05	06	07	08	09	10	11	12
1999	01	02	03	04	05	06	07	08	09	10	11	12
2000	01	02	03	04	05	06	07	08	09	10	11	12
2001	01	02	03	04	05	06	07	08	09	10	11	12
2002	01	02	03	04	05	06	07	08	09	10	11	12
2003	01	02	03	04	05	06	07	08	09	10	11	12
2004	01	02	03	04	05	06	07	08	09	10	11	12
2005	01	02	03	04	05	06	07	08	09	10	11	12
2006	01	02	03	04	05	06	07	08	09	10	11	12
2007	01	02	03	04	05	06	07	08	09	10	11	12
2008	01	02	03	04	05	06	07	08	09	10	11	12
2009	01	02	03	04	05	06	07	08	09	10	11	12
2010	01	02	03	04	05	06	07	08	09	10	11	12
2011	01	02	03	04	05	06	07	08	09	10	11	12
2012	01	02	03	04	05	06	07	08	09	10	11	12
2013	01	02	03	04	05	06	07	08				



Percentage of SYNOPSIS for main synoptic hours

Received via the GTS at BAS for 2013 08

Values less than 80% are displayed in red

WMO Number	Percentage	Station name
01001	62	JAN MAYEN
01003	100	HORNSUND
01007	100	NY-ALESUND
01008	100	SVALBARD AP
01010	100	ANDOYA
01026	100	TROMSO
01028	100	BJORNOYA
01047	100	KAUTOKEINO
01049	100	ALTA LUFTHAVN
01055	100	FRUHOLMEN LH
01062	100	HOPEN
01078	100	SLETTNES LH
01098	100	VARDO
01102	73	SKLINNA LH
01115	95	MYKEN
01152	100	BODO
01160	100	SKROVA LH
01205	100	SVINOY LH
01212	100	ONA II
01218	100	TAFJORD
01238	100	FOKSTUGU
01241	100	ORLAND III
01271	100	TRONDHEIM/VERNES
01281	100	NAMSSKOGAN
01288	92	ROROS AP
01300	99	GULLEFAKS C
01317	100	BERGEN/FLORIDA
01338	100	VANGSNES
01359	93	GEILO-OLDEBRATEN
01367	100	FAGERNES
01384	100	OSLO/GARDERMOEN
01397	100	TRYSIL VEGSTASJON
01400	99	EKOFISK
01402	100	TRONDHEIM/VERNES

Plots of 6 hourly synoptic data received from the GTS

- http://www.antarctica.ac.uk/met/READER/GCOS/PLOTS/main_index.html

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www.antarctica.ac.uk/met/READER/GCOS/PLOTS/main_index.html

Ask.com

[61997 ALFRED FAURE \(ILES CROZET\)](#)

[61998 PORT-AUX-FRANCAIS \(ILES KERGUELEN\)](#)

[68906 GOUGH ISLAND](#)

[68992 BOUVET ISLAND](#)

[68994 MARION ISLAND](#)

[88878 PEBBLE ISLAND](#)

[88883 WEDDELL ISLAND](#)

[88889 MOUNT PLEASANT AIRPORT](#)

[88897 SEA LION ISLAND](#)

[88900 BIRD ISLAND](#)

[88903 GRYTVIKEN](#)

[88963 BASE ESPERANZA](#)

[88968 BASE ORCADAS](#)

[88986 SOUTH THULE IS.](#)

[89002 NEUMAYER](#)

[89003 HALVFARRYGGEN EP11](#)

[89004 S.A.N.A.E. AWS](#)

[89009 AMUNDSEN-SCOTT](#)

[89013 BALDRICK AWS](#)

[89014 NORDENSKIOLD BASE](#)

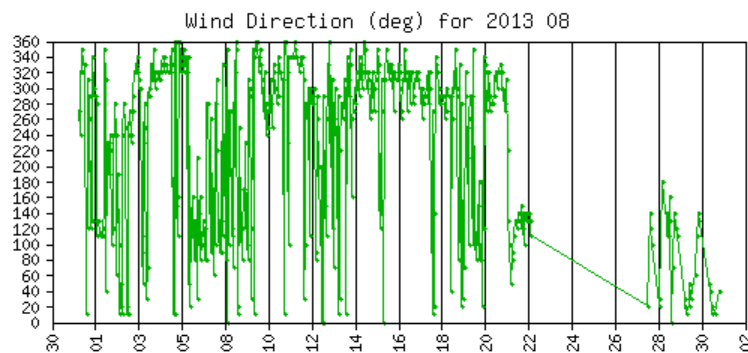
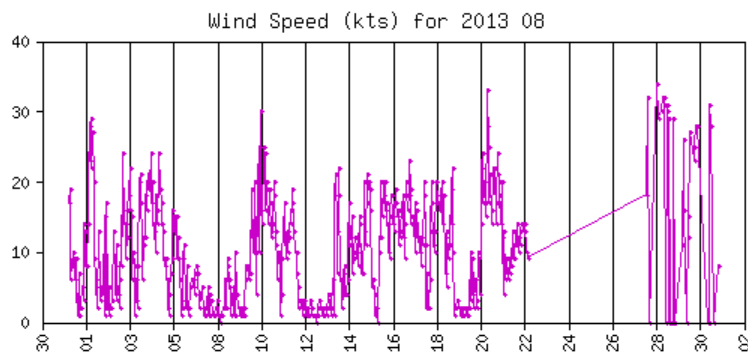
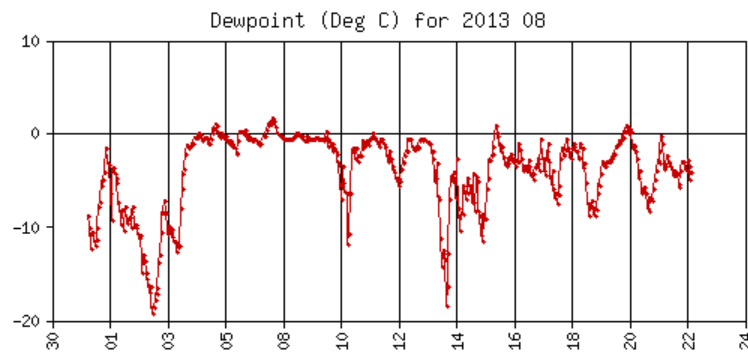
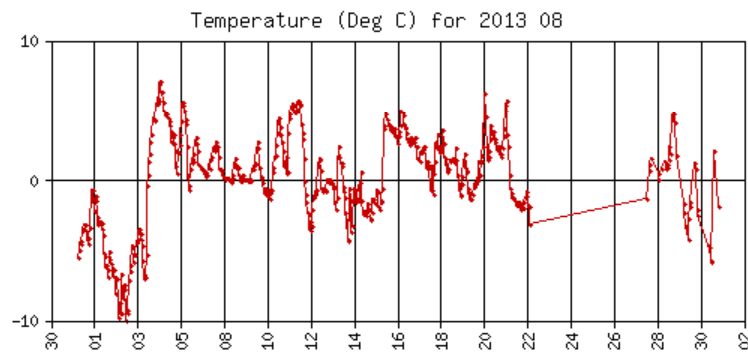
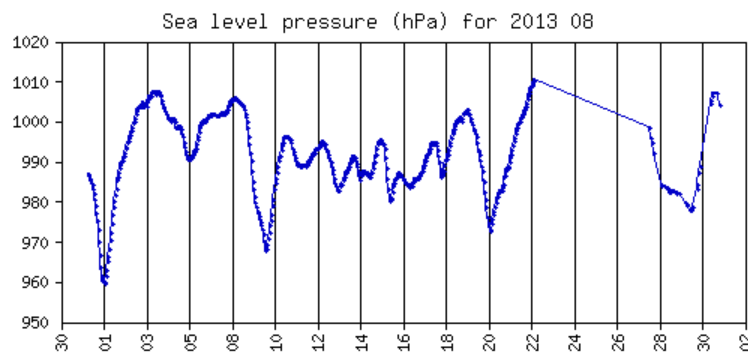
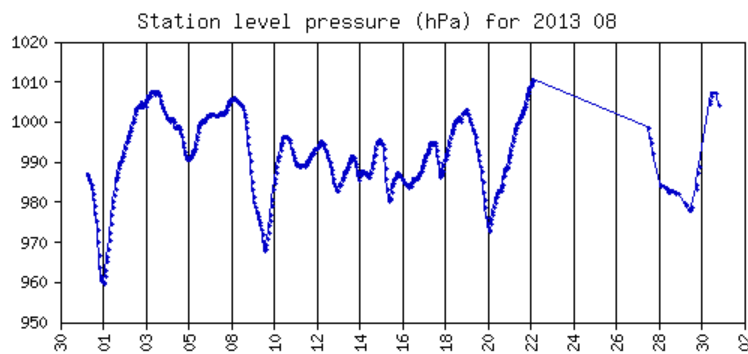
[89016 WASA EP5](#)

[89018 SVEA EP6](#)

[89020 BRUNT AWS](#)

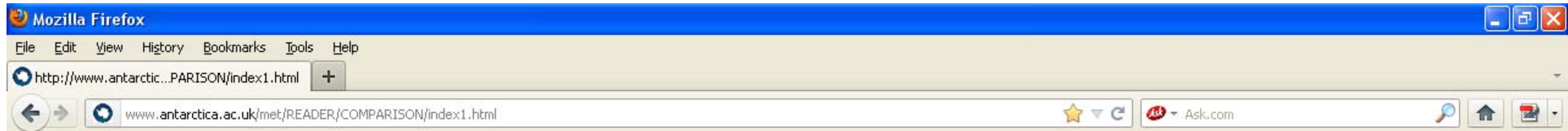
[89022 HATJEY](#)

88903 (GRYTVIKEN) data for 2013 08



Check of CLIMAT values against READER values

- <http://www.antarctica.ac.uk/met/READER/COMPARISON/index1.html>



[temperature](#)

[sea level pressure](#)

[station pressure](#)

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http://www.antarctica...dex.temperature.html +

www.antarctica.ac.uk/met/READER/COMPARISON/temperature/index.temperature.html

ASK Ask.com

- [89057 Arturo Prat temperature](#)
- [89034 Belgrano II temperature](#)
- [89050 Bellingshausen temperature](#)
- [89611 Casey temperature](#)
- [89571 Davis temperature](#)
- [89642 Dumont Durville temperature](#)
- [88963 Esperanza temperature](#)
- [68906 Gough temperature](#)
- [88903 Grytviken temperature](#)
- [89022 Halley temperature](#)
- [89053 Jubany temperature](#)
- [89657 Leningradskaja temperature](#)
- [89055 Marambio temperature](#)
- [68994 Marion temperature](#)
- [89056 Marsh temperature](#)
- [89564 Mawson temperature](#)
- [89592 Mirny temperature](#)
- [89542 Molodeznaja temperature](#)
- [89002 Neumayer temperature](#)
- [89059 O Higgins temperature](#)
- [88968 Orcadas temperature](#)
- [89062 Rothera temperature](#)
- [89132 Russkaya temperature](#)
- [89066 San Martin temperature](#)

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http://www.antarctica...ugh.temperature.html

www.antarctica.ac.uk/met/READER/COMPARISON/temperature/Gough.temperature.html

Google

Gough temperature differences CLIMAT message - READER value

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1995	-SYN	-CLM	-CLM	-CLM	-SYN	-0.1	0.0	-SYN	-CLM	-SYN	0.1	-SYN
1996	0.1	0.1	0.1	0.1	-SYN	-CLM	-SYN	0.1	0.1	0.1	-SYN	-SYN
1997	-CLM	-SYN	-SYN	-SYN	-SYN	-CLM	-SYN	-SYN	-SYN	0.0	0.1	0.3
1998	0.2	-SYN	-SYN	-SYN	-SYN	-0.1	-0.1	-CLM	0.0	0.0	-0.1	0.1
1999	0.0	-SYN	-0.1	-CLM	-CLM	-0.1	-0.1	-CLM	-SYN	-CLM	-CLM	-CLM
2000	-SYN	-SYN	-SYN	-SYN	-SYN	-SYN	-SYN	-CLM	0.0	-CLM	0.1	0.0
2001	0.0	0.1	-SYN	-SYN	-0.1	-CLM	-SYN	0.0	0.0	0.1	-SYN	-SYN
2002	-SYN	0.2	-SYN	-SYN	0.2	-CLM	-0.1	0.1	-CLM	0.0	-1.2	0.3
2003	0.1	-0.1	-CLM	-CLM	-CLM	-CLM	-CLM	-CLM	-CLM	-CLM	-SYN	-0.1
2004	0.0	-SYN	-SYN	-SYN	-SYN	-0.2	-0.1	-SYN	0.2	-SYN	-SYN	0.0
2005	-CLM	0.0	0.4	0.2	0.1	0.2	0.0	0.1	-CLM	-CLM	0.4	0.2
2006	-CLM	-CLM	0.2	0.2	-CLM	-SYN	-0.3	0.0	0.2	-CLM	0.4	-CLM
2007	0.2	-CLM	0.7	-CLM	-SYN	-SYN	0.1	0.3	0.3	-CLM	-4.2	0.2
2008	0.0	0.2	0.2	0.1	0.5	-CLM	0.0	0.3	-CLM	0.5	0.5	-CLM
2009	0.5	0.4	0.6	0.3	-CLM	0.1	0.2	0.1	0.4	0.3	0.4	0.7
2010	0.3	0.2	0.4	0.4	0.2	0.5	0.0	0.5	0.2	0.8	0.3	0.1
2011	0.3	0.2	0.5	0.2	-0.3	-0.1	0.0	0.1	0.1	0.2	0.3	-CLM
2012	0.3	0.3	0.2	0.1	-0.1	-0.2	0.0	0.1	0.4	0.2	0.2	-SYN
2013	0.2	-SYN	0.3	-CLM	0.1	-SYN	0.1	-CLM	-CLM	-CLM	-CLM	-CLM

monitoring successes

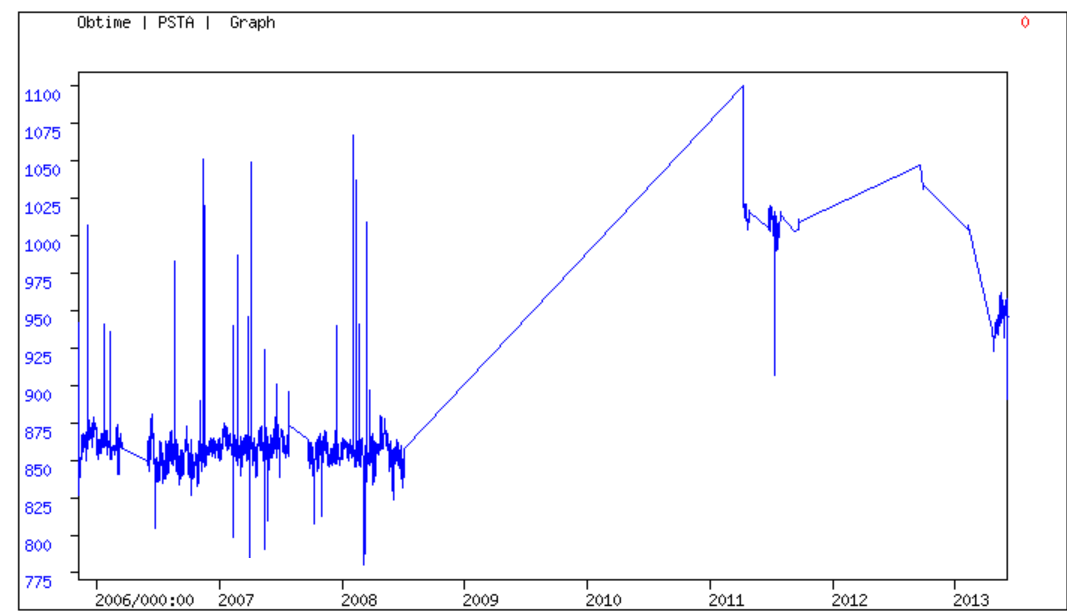
- We noticed that the synoptic observations from the Dumont d'Urville (89642) stopped on the 18th July 2012. I contacted the Meteo-France people in charge and the problem was resolved.
- We noticed that the synoptic observation from Concordia (89625) and Mario Zuchelli Station (89662) stopped in October 2012 and contacted the Italians and they resolved the problem
- We have noticed that the pressure values in the CLIMAT message sent out from Marion Island (68994) didn't seem to be correct for September so I contacted the South Africans and they resent the message.

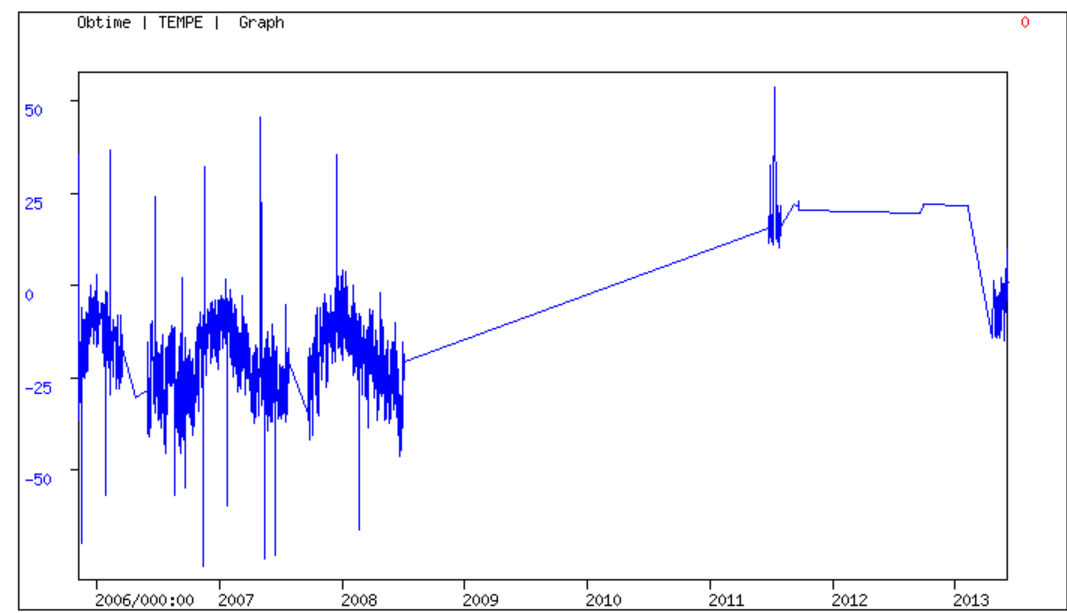
monitoring successes

- In June 2013 Tim Oakley notified us that there seemed to be a problem with the upper air balloon burst height statistics from Mawson station (89564). The problem appeared to be due to a lack of the data on the GTS. The Australians were contacted and it was identified that the data were not being sent out correctly onto the GTS. This issue has now been resolved.

89018 Svea EP6

- This is one of the Dutch AWS and had stopped sending out data but started again on the 19th April 2013.
- The data looks valid but the pressure looked to high for this station which is at 1160m.
- After some investigation it has been found that the ARGOS transmitter has now been installed on an AWS on Svalbard in the Arctic.
- We have asked them to notify ARGOS about this change.
- This is still an ongoing issue.





Questions