

Performance of the Antarctic Observing Network (AntON) CLIMAT

Surface stations

This chart shows the status of CLIMAT messages during 2011 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, Off green = Message on the GTS contains minor format errors, Yellow = Message on the GTS contains errors, Amber = message generated by Antarctic Lead Centre from SYNOP messages, Red = No message from 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	M				
61998	Isle Kerguelen	X	M	M	M	M	M	M	M	M				
68906	Gough Island	X	M	M	M	M	M	M	M	M				
68992	Bouvetoya	X												
68994	Marion Island	X	M	M	M	M	M	M	M	M				
88878	Pebble Island													
88883	Weddell Island													
88889	Mount Pleasant Airport	X	M	M	M		M	M	M	M				
88897	Sea Lion Island								B	B				
88900	Bird Island		M	M	M	M	M	M	M	M				
88903	Grytviken	X	M	M	M	M	M	M	M	M				
88986	South Thule Island								B					
93929	Enderby Island AWS			B	B	B	B	B	B	B				
93947	Campbell Island AWS	X	M	M	M	M	M	M	M	M				
94997	Heard Island (The Spit)		B	B	B	B	B	B	B	B				
94998	Macquarie Island	X	M	M	M	M	M	M	M	M				
95997	Heard Island (Atlas Cove)		B	B	B	B	B	B	B	B				
	Antarctic stations													
WMO no	Station													
88963	Esperanza	X	M	M	M	M	M	M	M	M				
88968	Orcadas	X	M	M	M	M	M	M	M	M				
89002	Neumayer	X	M	M	M	M	M	M	M	M				
89003	Halvfarryggen EP11					B	B	B	B	B				
89004	SANAE	X	M	M	M	M		M	M	M				
89009	Amundsen-Scott	X	M	M	M	M	M	M	M	M				

89013	Baldrick AWS			M	M	M	M	M	M	M				
89014	Nordenskiold			B	B									
89016	Wasa EP5		B	B	B	B	B							
89018	Svea EP6													
89020	Brunt			M	M	M	M	M	M	M				
89022	Halley	X	M	M	M	M	M	M	M	M				
89034	Belgrano II		M	M	M	M	M	M	M	M				
89049	AGO-2													
89050	Bellingshausen	X	M	M	M	M	M	M	M	M				
89053	Jubany		M	M	M	M	M	M	M	M				
89054	Dinamet						B							
89055	Marambio	X	M	M	M	M	M	M	M	M				
89056	Frei	X	M	M	M	M	M	M	M	M				
89057	Arturo Prat		B	B		B	B	B	B	B				
89058	Great Wall		B	B		B	B	B						
89059	O'Higgins		M	M	M	M	M	M	M	M				
89061	Palmer		M	M	M	M	M	M	M	M				
89062	Rothera	X	M	M	M	M	M	M	M	M				
89063	Vernadsky	X	M	M	M	M	M	M	M	M				
89064	Juan Carlos													
89065	Fossil Bluff	X	M	M	M	M	M	M	M	M				
89066	San Martin		M	M	M	M	M	M	M	M				
89087	Thiel Mountains			B	B		B	B						
89108	Henry		M	M	M	M	M	M	M	M				
89132	Russkaya													
89251	King Sejong		B	B		B	B							
89252	Comandante Ferraz													
89253	Joinville Island													
89257	Limbirt		M	M	M	M	M	M	M	M				
89262	Larsen Ice Shelf	X	M	M	M	M	M	M	M	M				
89266	Butler Island	X	M	M	M	M	M	M	M	M				
89269	Bonaparte Point			M	M	M			M	M				
89272	Sky Blu	X	M	M	M	M	M	M		M				
89314	Theresa		M	M	M	M	M	M	M	M				
89324	Byrd Station	X	M	M	M	M	M	M	M	M				
89327	Mount Siple	X	M	M	M	M								
89329	Harry	X	M	M	M	M	M	M	M	M				
89332	Elizabeth		M	M	M	M	M	M	M	M				

89345	Siple Dome	X	M	M	M	M	M	M	M	M				
89376	Gill	X	M	M	M	M	M	M		M				
89377	Lettau	X	M	M	M	M	M	M	M					
89504	Troll		M	M	M	M	M	M	M	M				
89507	Kohnen EP9		B	B	B	B		B	B	B				
89512	Novolazarevskaya	X	M	M	M	M	M	M	M	M				
89514	Maitri			B	B		B	B	B					
89528	AGO-3													
89532	Syowa	X	M	M	M	M	S	M	M	M				
89542	Molodeznaja													
89564	Mawson	X	M	M	M	M	M	M	M	M				
89570	Davis (Whoop Whoop)													
89571	Davis	X	M	M	M	M	M	M	M	M				
89573	Zhongshan	X	M	M	M	M	M	M	M					
89574	Progress	X	M	M	M	M	M	M	M	M				
89575	Druzhnaya 4													
89577	Dome A	X	M	M	M	M	M	M	M	M				
89578	Eagle			B	B	B	B	B	B	B				
89586	Davis (Mount Brown)				B									
89592	Mirnyj	X	M	M	M	M	M	M	M	M				
89606	Vostok	X	M	M	M	M	M	M	M	M				
89610	Casey (Cape Poinsett)		B	B	B	B								
89611	Casey	X	M	M	M	M	M	M	M	M				
89614	Wilkins Runway West													
89615	Wilkins Runway East			B										
89625	Concordia	X	B	B	82	B								
89628	AGO-1													
89642	Dumont d'Urville	X	M	M	M	M	M	M	M	M				
89643	Port Martin													
89646	Sitry (Irene)		B	B										
89648	Mid Point			B	B									
89657	Leningradskaya													
89659	Priestley (Nevve)		B	B	B	B	B	B	B	B				
89661	Cape Phillips				B	B	B	B	B	B				
89662	Mario Zuchelli Station	X	86	41	B	B	B	B	B	B				
89664	McMurdo	X	M	M	M	M	M	M	M	M				
89665	Scott Base													
89666	Cape Ross		B	B	B	B	B	B	B	B				

89667	Pegasus North		M	M	M	M	M	M	M	M				
A20629	Plateau													
89734	Dome Fuji			M	M	M	M	M	M	M				
89744	Relay Station	X	M	M	M	M	M	M	M	M				
A20631	Pole of Relative Inaccessibility													
89767	Amery Ice Shelf AWS (G3)		B	B	B	B	B							
89768	Minna Bluff		M	M										
89769	Linda		M	M	M	M	M	M	M	M				
89799	Nico		M	M	M	M	M	M	M	M				
89807	Casey (Snyder Rocks)													
89809	Casey Skiway South													
89811	Casey (Law Dome Summit)			B	B									
89815	Casey (Haupt Nunatak)													
89828	Dome C II	X	M	M	M	M	M	M	M	M				
89832	D-10			M	M	M	M	M	M	M				
89834	D-47			M	M	M	M	M	M	M				
89864	Manuela		M	M	M	M	M	M	M	M				
89865	Whitlock	X												
89866	Marble Point	X	M	M	M	M	M	M	M	M				
89868	Schwerdtfeger		M	M	M	M	M	M	M	M				
89869	Marilyn	X	M	M	M	M	M	M	M	M				
89872	Ferrell	X	M	M	M	M	M	M		M				
89873	Elaine			M	M	M	M	M	M	M				
89879	Possession Island	X	M	M	M	M	M	M		M				
	GSN messages (% of 42)		95%	95%	95%	98%	90%	93%	83%	88%				
	Total Antarctic messages		66	80	76	75	72	70	65	66				

Notes on GSN stations:

68992 – AWS failed. Replacement not expected before 2011.

89004 – AWS temporary failure in May

89272 – Batteries not charging over winter

89327 – Batteries no longer hold charge over the winter. Recovers in late September with the return of sunlight. No immediate prospect of repair.

89625 – Not always enough SYNOP messages to generate CLIMAT

89662 – Not always enough SYNOP messages to generate CLIMAT

89865 – Station not operational, and unlikely to be restored.

89879 – Batteries no longer hold sufficient charge to transmit fully over the winter.