

Report of the CBS Lead Centre for GCOS

Report Region III

April 2010

The Lead center of Region III continues carrying out the control of the regional GCOS stations with information from the *Deutscher Wetter Dienst (DWD)*, Germany (see Annex). In addition, the type of problem was identified for each country.

VENEZUELA:

Seven stations have problem with section 1 group 7 of the Climat message.

BRAZIL:

Only one station presented problem with section 1 group 7 of the Climat message.

ECUADOR:

Two stations have problems problem with section 1 group 7 , in section 4 – group 1 of the Climat message, and one station send 7 groups of 9..

BOLIVIA:

In Bolivia all the stations have problems in all sections and all groups of the Climat messages. Unfortunately, the focal point is out of contact.

CHILE:

Problem in Chile with some Climat message were related with the errors in typing and sending the information through the GTS, which will be corrected in due course.

PARAGUAY:

Paraguay in two stations have problems in section 4 group 1.

URUGUAY:

This country has problems in most of the stations; specially in sections 1, 3, and 4.

ARGENTINA:

Argentina has problemers in sections 3 and 4 in almost all the stations.

PARAGUAY:

It has the month or year missing or incorrect in the messages.

VENEZUELA:

It has the month or year missing or incorrect in the messages.

PERU

No information

NOTES

This center request from the DWD a list of errors detected for each station of the region. This allow us to evaluate and our performance and quality and sending the results to the country's focal point. Many errors are due to the typing message into the GTS.

The Peruvian silent station 84444 (Chochapoyas) should be moved out from the international exchange and or replaced, so that it does not belong to the National Service, and it only carries out three daily observations from Monday to Friday. This situation was informed to the Peruvian focal point.

The Argentinean silent station 87065 Rivadavia will restart sending the information next July..

Chile is working in software for sending the Climat message in BURF mode.

It is also recommended that the GCOS Secretary updates the GCOS stations in the region and request from the countries (Region III) to replace silent stations and/or include new stations to GCOS according with the criteria for the selection.

ANNEX

REGION III

GSN and GUAN Performance Indicators

Deutscher Wetter Dienst (DWD)

Created for month/s: feb 2009 to Jan 2010

CA: CLIMAT recibidos

CC: CLIMAT Correctos

CT: N° Reporte Temperatura válidos

CR: N° de Reporte de precipitación válidos

Control de calidad sólo hasta diciembre, por lo tanto, valor máximo de CR y CT es 8

Ind: General Index

$$Ind = \frac{\overline{CA} + \overline{CC} + \overline{CT} + \overline{CR}}{400}$$

ARGENTINA

<i>IndexNbr</i>	<i>Station Name</i>	<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		
87007	LA QUIACA OBSERVATORIO	11	9	11	10		92	75	100	91		
87047	SALTA	11	11	11	9		92	92	100	82		
87065	RIVADAVIA	0	0	0	0		0	0	0	0		ES
87078	LAS LOMITAS	11	9	10	10		92	75	91	91		
87129	SANTIAGO DEL ESTERO	11	11	11	11		92	92	100	100		
87155	RESISTENCIA	11	8	11	11		92	67	100	100		
87217	LA RIOJA	11	9	9	11		92	75	82	100		
87257	CERES	11	10	11	9		92	83	100	82		
87270	RECONQUISTA	11	9	11	11		92	75	100	100		
87305	JACHAL	11	10	11	11		92	83	100	100		
87344	CORDOBA	11	11	11	11		92	92	100	100		
87374	PARANA	11	10	11	11		92	83	100	100		
87418	MENDOZA	12	9	11	11		100	75	100	100		
87534	LABOULAYE	12	12	11	11		100	100	100	100		
87544	PEHUAJO	12	12	11	10		100	100	100	91		
87623	SANTA ROSA	12	11	11	10		100	92	100	91		
87692	MAR DEL PLATA	12	11	11	11		100	92	100	100		
87715	NEUQUEN	12	12	11	8		100	100	100	73		
87750	BAHIA BLANCA	12	10	11	11		100	83	100	100		
87803	ESQUEL	12	9	11	11		100	75	100	100		
87828	TRELEW	12	11	11	9		100	92	100	82		
87860	COMODORO RIVADAVIA	12	11	11	11		100	92	100	100		
87925	RIO GALLEGOS	12	11	11	10		100	92	100	91		

Ave: 92 82 94 90 Ind= 0.90

CA: CLIMAT recibidos

CC: CLIMAT Correctos

CT: N° Reporte Temperatura válidos

CR: N° de Reporte de precipitación válidos

Ind: General Index

BOLIVIA

<i>IndexNbr</i>	<i>Station Name</i>	<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		
85041	COBIJA	9	8	8	11		75	67	73	100		
85043	RIBERALTA	9	8	8	10		75	67	73	91		
85114	MAGDALENA	9	8	8	11		75	67	73	100		
85141	RURRENABAQUE	9	8	8	10		75	67	73	91		
85207	SAN IGNACIO DE VELASCO	9	7	8	11		75	58	73	100		
85223	COCHABAMBA	9	2	8	10		75	17	73	91		
85230	CHARANA	1	0	0	0		8	0	0	0		
85289	PUERTO SUAREZ	9	7	8	11		75	58	73	100		
85364	TARIJA	9	4	8	10		75	33	73	91		
85365	YACUIBA	9	5	8	11		75	42	73	100		

Ave: 68 48 65 86 Ind= 0.7

BRAZIL

<i>IndexNbr</i>	<i>Station Name</i>	<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		
82024	BOA VISTA	10	5	9	7		83	42	82	64		
82106	SAO GABRIEL DA CACHOEIRA	10	5	9	9		83	42	82	82		
82113	BARCELOS	10	5	7	7		83	42	64	64		
82193	BELEM	1	0	0	0		8	0	0	0		
82331	MANAUS	10	5	9	10		83	42	82	91		
82353	ALTAMIRA	6	1	1	1		50	8	9	9		
82400	FERNANDO DE NORONHA	1	0	0	0		8	0	0	0		
82410	BENJAMIN CONSTANT	10	5	8	8		83	42	73	73		
82425	COARI	10	5	9	9		83	42	82	82		
82571	BARRA DO CORDA	10	5	8	9		83	42	73	82		
82586	QUIXERAMOBIM	10	5	9	6		83	42	82	55		
82704	CRUZEIRO DO SUL	10	5	9	9		83	42	82	82		
82825	PORTO VELHO	4	0	0	0		33	0	0	0		
83064	PORTO NACIONAL	12	5	7	11		100	42	64	100		
83229	SALVADOR	12	5	11	11		100	42	100	100		
83236	BARREIRAS	12	2	8	8		100	17	73	73		
82264	GLEBA CELESTE	12	5	10	10		100	42	91	91		
83361	CUIABA	12	5	8	8		100	42	73	73		
83481	JOAO PINHEIRO	12	5	11	10		100	42	100	91		
83488	ITAMARANDIBA	0	0	0	0		0	0	0	0		ES
83498	CARAVELAS	12	5	11	11		100	42	100	100		
83566	BELO HORIZONTE	0	0	0	0		0	0	0	0		
83618	TRES LAGOAS	12	3	1	9		100	25	9	82		
83650	TRINDADE	0	0	0	0		0	0	0	0		ES
83746	GALEAO	0	0	0	0		0	0	0	0		ES
83781	SAO PAULO	12	5	11	10		100	42	100	91		
83827	FOZ DO IGUACU	0	0	0	0		0	0	0	0		ES
83842	CURITIBA	12	5	10	11		100	42	91	100		
83881	IRAI	12	5	11	10		100	42	100	91		

Ave: 67 28 55 58 Ind= 0.52

CHILE

<i>IndexNbr</i>	<i>Station Name</i>	<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		
85406	ARICA	12	10	11	11		100	83	100	100		
85442	ANTOFAGASTA	12	10	11	10		100	83	100	91		
85469	ISLA DE PASCUA	12	9	11	11		100	75	100	100		
85488	LA SERENA	12	8	11	6		100	67	100	55		
85577	SANTO DOMINGO	12	8	11	11		100	67	100	100		
85585	JUAN FERNANDEZ	12	10	11	11		100	83	100	100		
85629	CURICO	12	3	0	10		100	25	0	91		
85743	TEMUCO	12	9	11	11		100	75	100	100		
85799	PUERTO MONTT	12	8	11	11		100	67	100	100		
85874	BALMACEDA	12	9	10	11		100	75	91	100		
85934	PUNTA ARENAS	12	10	11	11		100	83	100	100		

Ave: 100 71 90 94 Ind= 0.89

COLOMBIA

<i>IndexNbr</i>	<i>Station Name</i>	<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		
80222	BOGOTA/EL DORADO	7	3	10	10		58	25	91	91		
80241	LAS GAVIOTAS						0	0	0	0		ES
80259	CALI/ALFONSO BONILLA A.	7	4	10	10		58	33	91	91		
80342	PASTO/ANTONIO NARINO	12	0	0	0		100	0	0	0		

Ave: 54 15 45 45 Ind= 0.40

ECUADOR

<i>IndexNbr</i>	<i>Station Name</i>	<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		
84008	SAN CRISTOBAL(GALAPADOS)	12	9	8	11		100	75	73	100		
84088	IZOBAMABA	12	10	9	11		100	83	82	100		
84140	PICHLINGUE	12	11	9	11		100	92	82	100		
84270	LOJA/LA ARGELIA	12	6	9	11		100	50	82	100		
84279	MACARA AEROPUERTO						0	0	0	0		ES

Ave: 80 60 63.636 80 Ind= 0.7091

GUYANA

<i>IndexNbr</i>	<i>Station Name</i>	<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		
81405	ROCHAMBEAU	12	12	11	11		100	100	100	100		

Ave: 100 100 100 100 Ind= 1

PARAGUAY

<i>IndexNbr</i>	<i>Station Name</i>	<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		
86086	LA VICTORIA	10	5	10	10		83	42	91	91		
86297	ENCARNACION	10	4	10	10		83	33	91	91		

Ave: 83 38 91 91 Ind= 0.76

PERU

<i>IndexNbr</i>	<i>Station Name</i>	<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		
84377	IQUITOS	7	6	9	10		58	50	82	91		
84444	CHACHAPOYAS	0	0	0	0		0	0	0	0		ES
84455	TARAPOTO	7	7	9	10		58	58	82	91		
84752	AREQUIPA	7	7	9	10		58	58	82	91		

Ave: 44 42 61 68 Ind= 0.54

SURINAME

<i>IndexNbr</i>	<i>Station Name</i>	<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		
81202	NICKERIE	0	0	0	0		0	0	0	0		ES

Ave: 0 0 0 0 Ind= 0

URUGUAY

<i>IndexNbr</i>	<i>Station Name</i>	<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		
86330	ARTIGAS	12	10	11	11		100	83	100	100		
86440	MELO	12	7	11	11		100	58	100	100		
86490	MERCEDES	12	0	0	0		100	0	0	0		
86565	ROCHA	12	4	10	8		100	33	91	73		

Ave: 100 44 73 68 Ind= 0.71

VENEZUELA

<i>IndexNbr</i>	<i>Station Name</i>	<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		<i>CA</i>	<i>CC</i>	<i>CT</i>	<i>CR</i>		
80405	LA ORCHILA	12	0	0	0		100	0	0	0		
80423	GUIRIA	12	10	10	10		100	83	91	91		
80425	MENE GRANDE	12	11	11	10		100	92	100	91		
80438	MERIDA	12	9	10	11		100	75	91	100		
80450	SAN FERNANDO DE APURE	12	9	10	10		100	75	91	91		
80453	TUMEREMO	12	9	8	10		100	75	73	91		

Ave: 100 67 74 77 Ind= 0.80

ES: Estación silenciosa, no se recibe el mensaje CLIMAT

PERFORMANCE (where 1 is the optimum)	N° stations	CA	CC	CT	CR	Ind5	Ind4	Ind3	Ind2	Ind1
ARGENTINA	23	0.9	0.8	0.9	0.9	0.9	0.6241	0.88	0.857	0.8
BOLIVIA	10	0.7	0.5	0.7	0.9	0.7	0.3354	0.42	0.483	0.1
BRAZIL	29	0.7	0.3	0.6	0.6	0.5	0.3276	0.48	0.502	0.5
CHILE	11	1.0	0.7	0.9	0.9	0.9	0.6212	0.85	0.755	0.7
COLOMBIA	4	0.5	0.1	0.5	0.5	0.4	0.3932	0.66	0.781	0.7
ECUADOR	5	0.8	0.6	0.6	0.8	0.7	0.4167	0.08	0	0.0
GUYANA	1	1.0	1.0	1.0	1.0	1.0	0.75	1	1	1.0
PARAGUAY	2	0.8	0.4	0.9	0.9	0.8	0.2813	0.68	0.675	0.7
PERU	4	0.4	0.4	0.6	0.7	0.5	0.4844	0.67	0.604	0.5
SURINAM	1	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0
URUGUAY	4	1.0	0.4	0.7	0.7	0.7	0.526	0.68	0.679	0.7
VENEZUELA	6	1.0	0.7	0.7	0.8	0.8	0.5608	0.73	0.753	0.8

Ind1: Performance September 2006 - August 2007

0.66 0.44 0.60 0.59 0.54

Ind2: Performance February 2007 - January 2008

0.72 0.48 0.65 0.64 0.58

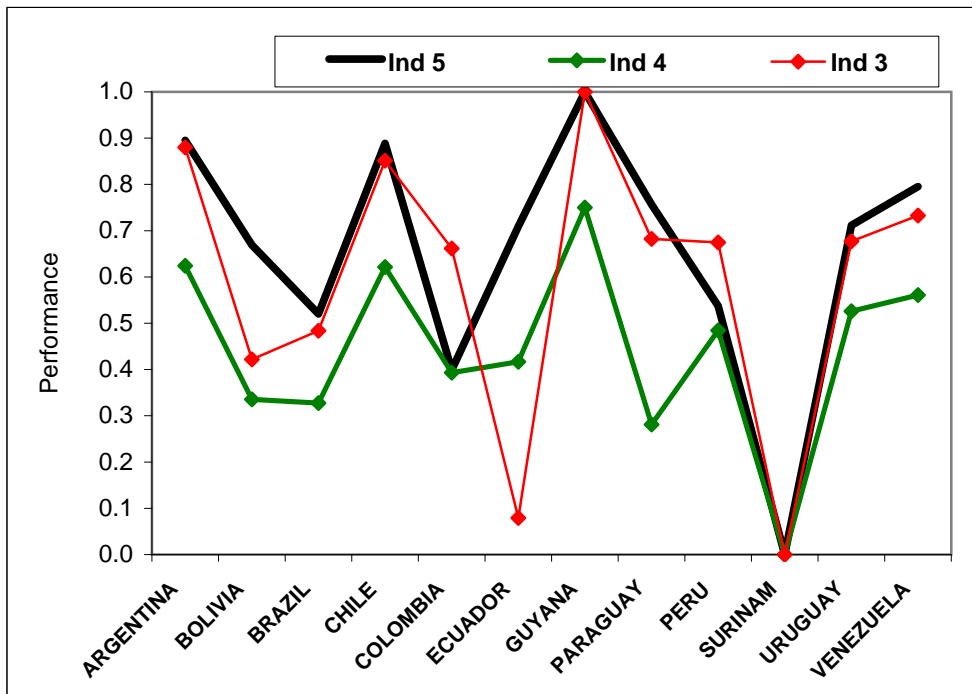
Ind3: Performance January 2008 - December 2008

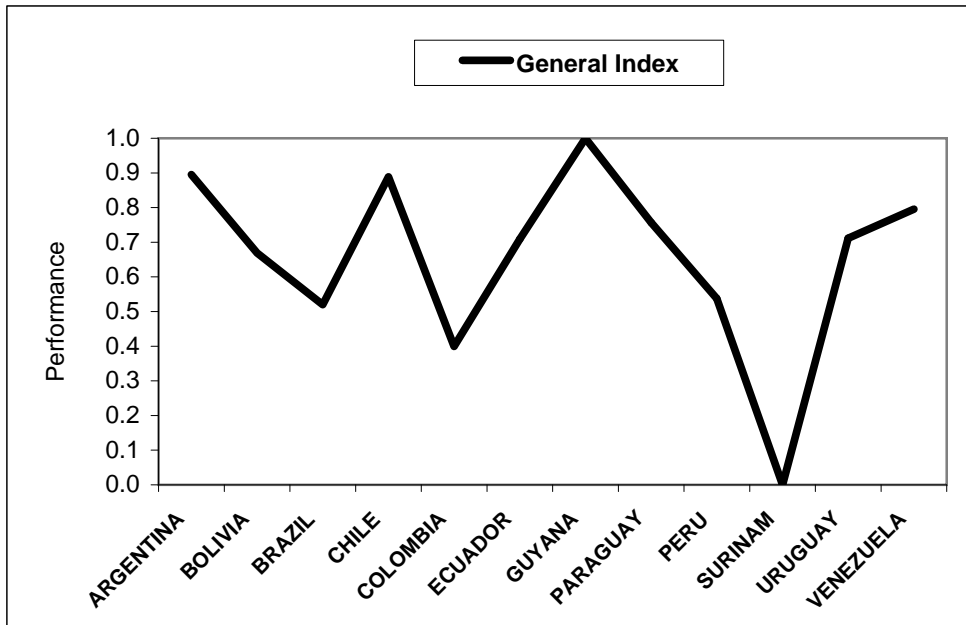
Ind4: Performance September 2008 - August 2009

Sin Surinam

0.74

Ind5: Performance February 2009 - January 2010





CA: Received CLIMAT messages
 CT: N° valid temperature reports

CC: Correct CLIMAT messages
 CR: N° of valid precipitation reports

