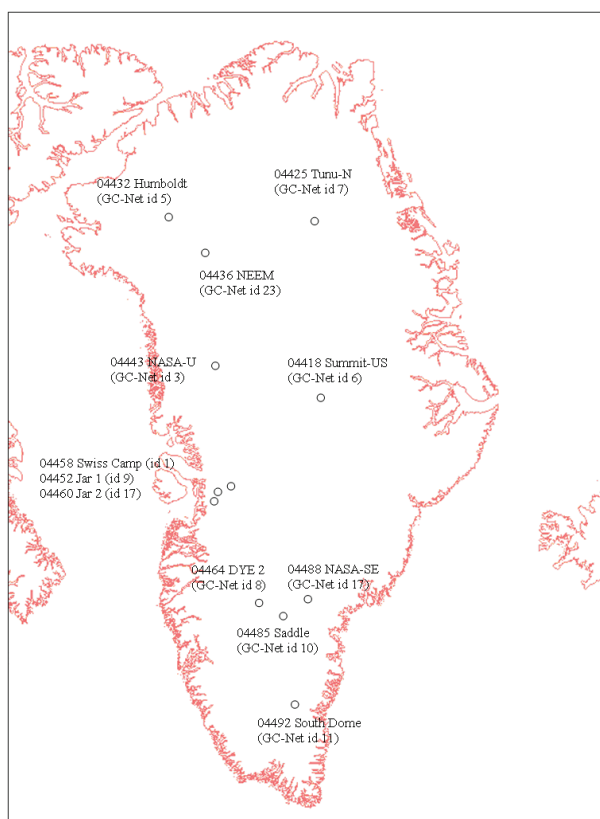


## DMI, Data and Climate, notes:

# Status GC-Net SYNOP 1 March 2012: Part I Regularity and timeliness

Ellen Vaarby Laursen



**Copenhagen 2012**

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*Appendix: Timeliness statistics on all Greenlandic GC-Net data received by DMI as of 29-02-2012 13:00 UTC*

## Conclusion 1 March 2012

### ***Recommendations GC-Net***

The observed timeliness was, at best, 69 minutes. For DMI to receive data much closer to the hour of observation we recommend GC-Net that:

1. GC-Net should send the data to DMI without delay
2. GC-net should move for a satellite transit time closer to the hour of observation

### ***Recommendations DMI***

The DMI target regularity for DMI SYNOP from Greenland is 96%. Since the regularity of the operational GC-Net data received by DMI is well below the DMI target –and for most stations not even reaching halfway to the target, the DMI operational production should not be dependent upon the GC-Net data, but continue to use them as welcome additional data.

The status on timeliness and regularity shows that the following GC-Net-stations should additionally be inserted into the DMI station catalogue and SYNOP subsequently encoded and the data quality evaluated in view of further distribution and inclusion into the bulletins disseminated into the GTS:

WMO id	GC-Net id	Station Name
04420	12	NASA-E
04443	3	NASA-U
04492	11	SOUTH DOME

## Station information

WMO id. <sup>1</sup>	GC-Net id	Name	Lat. ddmss	Long. ddmss	Elev. m	DMI station catalogue yyyymmdd	WMO Vol A yyyymmdd	Owner	Any data past 3 months?
04418	6	SUMMIT-US	723446	-383019	3198	20100616	20101110	GC-Net	yes
04420	12	NASA-E	750002	-295950	2614	-	-	GC-Net	yes
04425	7	TUNU-N	780059	-335900	2009	20100701	20101110	GC-Net	
04430	21	PETERMANN GLACIER	804101	-601735	37	-	-	GC-Net	
04432	5	HUMBOLDT	783136	-564950	1992,6	20100701	20101110	GC-Net	
04435	4	GITS	770816	-610224	1869	-	-	GC-Net	
04436	23	NEEM	773008	-505228	2449	20100616	20101110	GC-Net	yes
04440	14	NGRIP	750558	-421959	2941	-	-	GC-Net	
04443	3	NASA-U	735029	-493025	2334	-	-	GC-Net	yes
04450	13	CRAWFORD POINT 2	695448	-465117	1990	-	-	GC-Net	
04452	9	JAR 1	692947	-494139	904	20100616	20101110 <sup>2</sup>	GC-Net	
04456	2	CRAWFORD POINT 1	695242	-465948	2022	-	-	GC-Net	
04458	1	SWISS CAMP	693353	-491951	1092	20100616	20101110 <sup>2</sup>	GC-Net	
04460	17	JAR 2	692503	-500430	507	-	-	GC-Net	
04464	8	DYE 2	662850	-461659	2098	20100616	20101110	GC-Net	yes
04485	10	SADDLE	655958	-443003	2466,3	20100616	20101110	GC-Net	yes
04488	15	NASA-SE	662830	-422955	2405,7	20100616	20101110	GC-Net	yes
04492	11	SOUTH DOME	630856	-444902	2901	-	-	GC-Net	yes

**Table 1. Positions of GC-Net automatic weather stations that DMI at present have reserved a WMO station id. If the station is listed in the internal DMI station catalogue it is noted by the date it was inserted. If the station is listed in the WMO Vol A station catalogue it is noted by the date DMI sent the information to WMO.**

<sup>1</sup> For now reserved by DMI to be used for the stations listed. The WMO station id are in use internally at DMI/within all of WMO or not as listed in the 'DMI station catalogue' and 'WMO Vol A' columns.

<sup>2</sup> The station is listed in the WMO Vol A with the note of 'temporarily discontinued'.

## List of bulletins inserted into the GTS

Region 6	RTH NORRKOPING	Country DENMARK AND FAROE ISLANDS	Centre COPENHAGEN			
Date	TTAAii	CCCC	CodeForm <sup>3</sup>	TimeGroup	Content	Remarks
06/12/2010	ISIA26	EKMI	FM94-XIII EXT.	03,09,15,21	04418 04425 04432 04436 04464 04485 04488	
06/12/2010	ISMA06	EKMI	FM94-XIII EXT.	00,06,12,18	04418 04425 04432 04436 04464 04485 04488	
06/12/2010	ISNA66	EKMI	FM94-XIII EXT.	01,02,04,05,07, 08,10,11,13,14, 16,17,19,20,22, 23	04418 04425 04432 04436 04464 04485 04488	
18/11/2010	SIGL26	EKMI	FM 12-XII EXT.	03,09,15,21	04418 04225 04232 04436 04464 04485 04488	
18/11/2010	SMGL06	EKMI	FM 12-XII EXT.	00,06,12,18	04418 04225 04232 04436 04464 04485 04488	

**Table 2. List bulletins inserted by DMI into the GTS containing data<sup>3</sup> from GC-Net stations. The information may also be found in WMO Vol C1.**

The bulletins listed in Table 2 are inserted into the GTS by DMI first time 90 minutes after the hour of observations and next time, if necessary, 120 minutes after the hour of observation. This is different from the DMI standard procedure and due to the >60 minutes delay with which DMI receive the GC-Net data.

<sup>3</sup> FM 12-XII EXT. is the WMO-id for the traditional alphanumeric codeform: 'SYNOP: Report of surface observation from a fixed land station'

FM94-XIII EXT. is the WMO-id for the table driven code form: 'BUFR: Binary universal form for the representation of meteorological data'.

## Regularity and timeliness

The operational usage within DMI and WMO of the GC-Net SYNOP is dependent on the timeliness of the SYNOP. The investigation of the regularity and timeliness of the GC-Net data is therefore exclusively performed on the operationally received GC-Net data. As first step only those GC-Net data received by DMI within 24 hours of the time of observation and no more than 1 hour ahead were included in the investigation. The investigation results are shown in Table 3. An overview of the total number of GC-Net observations received by DMI to date is included in the appendix.

GC-Net data 21-June-2010 11:00 UTC – 29_February-2012 13:00 UTC as received by DMI											
Hour of observation [UTC]								Timeliness (minutes from hour of observation)			
Year	Station	Valid N <sup>4</sup>	Expected (24obs/day)	Regularity (%)	First [UTC]	Last [UTC]		Minimum	Maximum	Mean	Median
2010	04458 Swiss Camp (GC-Net station id 1)	1430	4645	30,8	21-JUN-2010 11:00	29-NOV-2010 08:00		66	1416	81,0	67
2010	04485 Saddle (GC-Net station id 10)	3195	4645	68,8	21-JUN-2010 11:00	07-DEC-2010 11:00		61	1416	80,7	67
2010	04492 South Dome (GC-Net id 11)	0	4645	0,0							
2010	04420 NASA-E (GC-Net id 12)	0	4645	0,0							
2010	04440 NGRIP (GC-Net id 14 (closed))	0	4645	0,0							
2010	04488 NASA-SE (GC-Net station id 15)	2536	4645	54,6	21-JUN-2010 11:00	31-DEC-2010 21:00		66	1421	89,2	67
2010	04460 JAR 2 (GC-Net station id 17)	166	4645	3,6	21-JUN-2010 11:00	02-JUL-2010 07:00		67	1416	156,0	67
2010	04436 NEEM (GC-Net station id 23)	4032	4645	86,8	21-JUN-2010 11:00	31-DEC-2010 21:00		61	1421	82,7	67
2010	04443 NASA-U (GC-Net id 3)	0	4645	0,0							
2010	04432 Humboldt (GC-Net station id 5)	3020	4645	65,0	21-JUN-2010 11:00	31-DEC-2010 23:00		66	1421	123,6	69
2010	04418 Summit-US (GC-Net station id 6)	3854	4645	83,0	21-JUN-2010 11:00	31-DEC-2010 21:00		9	1421	82,2	67
2010	04425 Tunu-N (GC-Net station id 7)	3318	4645	71,4	21-JUN-2010 11:00	20-DEC-2010 02:00		7	1417	116,9	69
2010	04464 DYE 2 (GC-Net station id 8)	4043	4645	87,0	21-JUN-2010 11:00	31-DEC-2010 21:00		61	1421	81,4	67
2010	04452 Jar 1 (GC-Net station id 9)	913	4645	19,7	21-JUN-2010 11:00	03-DEC-2010 15:00		67	1416	85,6	67
2011	04458 Swiss Camp (GC-Net station id 1)	1398	8760	16,0	26-MAY-2011 20:00	11-NOV-2011 15:00		53	1422	80,6	69
2011	04485 Saddle (GC-Net station id 10)	4965	8760	56,7	04-JAN-2011 17:00	25-DEC-2011 14:00		53	1422	77,7	69
2011	04492 South Dome (GC-Net id 11)	3240	8760	37,0	30-MAY-2011 20:00	19-DEC-2011 11:00		53	1369	74,7	69
2011	04420 NASA-E (GC-Net id 12)	3065	8760	35,0	05-JUN-2011 09:00	25-DEC-2011 19:00		27	1369	76,0	69
2011	04440 NGRIP (GC-Net id 14 (closed))	0	8760	0,0							

<sup>4</sup> Only GC-Net data received by DMI within 24 hours after and 1 hour before time of observations is included and only GC-Net data with logger id <=23.

GC-Net data 21-June-2010 11:00 UTC – 29 February-2012 13:00 UTC as received by DMI											
Hour of observation [UTC]								Timeliness (minutes from hour of observation)			
Year	Station	Valid N <sup>4</sup>	Expected (24obs/day)	Regularity (%)	First [UTC]	Last [UTC]		Minimum	Maximum	Mean	Median
2011	04488 NASA-SE (GC-Net station id 15)	3884	8760	44,3	01-JAN-2011 00:00	26-DEC-2011 04:00		53	1422	77,6	69
2011	04460 JAR 2 (GC-NET station id 17)	1127	8760	12,9	20-JUL-2011 00:00	15-NOV-2011 15:00		67	1369	82,7	69
2011	04436 NEEM (GC-Net station id 23)	5579	8760	63,7	01-JAN-2011 00:00	26-DEC-2011 04:00		53	1422	78,2	69
2011	04443 NASA-U (GC-Net id 3)	3939	8760	45,0	05-JUN-2011 09:00	26-DEC-2011 14:00		27	1369	74,4	69
2011	04432 Humboldt (GC-Net station id 5)	286	8760	3,3	01-JAN-2011 01:00	18-JAN-2011 01:00		67	177	73,4	69
2011	04418 Summit-US (GC-Net station id 6)	5235	8760	59,8	01-JAN-2011 00:00	24-OCT-2011 18:00		53	1422	77,4	69
2011	04425 Tunu-N (GC-Net station id 7)	450	8760	5,1	23-APR-2011 10:00	02-JUN-2011 13:00		127	1414	187,7	187
2011	04464 DYE 2 (GC-Net station id 8)	6452	8760	73,7	01-JAN-2011 00:00	26-DEC-2011 14:00		53	1422	76,8	69
2011	04452 Jar 1 (GC-Net station id 9)	164	8760	1,9	20-JUL-2011 00:00	16-OCT-2011 16:00		67	1369	90,6	69
2012	04458 Swiss Camp (GC-Net station id 1)	0	1429	0,0							
2012	04485 Saddle (GC-Net station id 10)	441	1429	30,9	03-JAN-2012 19:00	29-FEB-2012 05:00		-48	1418	98,0	69
2012	04492 South Dome (GC-Net id 11)	827	1429	57,9	03-JAN-2012 19:00	29-FEB-2012 11:00		-50	1418	83,6	69
2012	04420 NASA-E (GC-Net id 12)	42	1429	2,9	03-JAN-2012 23:00	09-JAN-2012 09:00		69	1185	113,5	71
2012	04440 NGRIP (GC-Net id 14 (closed))	0	1429	0,0							
2012	04488 NASA-SE (GC-Net station id 15)	74	1429	5,2	05-JAN-2012 22:00	16-FEB-2012 08:00		67	247	91,0	69
2012	04460 JAR 2 (GC-NET station id 17)	0	1429	0,0							
2012	04436 NEEM (GC-Net station id 23)	376	1429	26,3	03-JAN-2012 19:00	29-FEB-2012 10:00		21	1423	94,5	69
2012	04443 NASA-U (GC-Net id 3)	0	1429	0,0							
2012	04432 Humboldt (GC-Net station id 5)	0	1429	0,0							
2012	04418 Summit-US (GC-Net station id 6)	16	1429	1,1	16-FEB-2012 13:00	22-FEB-2012 15:00		67	131	75,5	67
2012	04425 Tunu-N (GC-Net station id 7)	0	1429	0,0							
2012	04464 DYE 2 (GC-Net station id 8)	1174	1429	82,2	03-JAN-2012 19:00	29-FEB-2012 11:00		66	1418	82,9	69
2012	04452 Jar 1 (GC-Net station id 9)	0	1429	0,0							

**Table 3. GC-Net data received by DMI/Obs1\_2 as found in the Obs1\_2 database on 29-02-2012 at approximately 13:20 UTC. Only data received within 24 hours after and 1 hour before time of observations is included. For an overview of all GC-Net-data received by DMI is enclosed as appendix.**

For the period 21-June-2010 11 UTC - 29-February-2012 ~16 UTC the number of operationally received GC-Net bulletins						
Station	year					
	2010		2011		2012	
	No of Original messages	No of Synop made	No of Original messages	No of Synop made	No of Original messages	No of Synop made
04458 Swiss Camp (GC-Net station id 1)	1430	1238	1398	1398		
04485 Saddle (GC-Net station id 10)	3195	3195	4965	4965	442	441
04492 South Dome (GC-Net id 11)			3240		829	
04420 NASA-E (GC-Net id 12)			3065		42	
04440 NGRIP (GC-Net id 14 (closed))						
04488 NASA-SE (GC-Net station id 15)	2536	2489	3884	3884	74	74
04460 JAR 2 (GC-NET station id 17)	166	22	1127			
04436 NEEM (GC-Net station id 23)	4032	3868	5579	5578	376	376
04443 NASA-U (GC-Net id 3)			3939			
04432 Humboldt (GC-Net station id 5)	3020	2892	286	286		
04418 Summit-US (GC-Net station id 6)	3854	3807	5235	5235	17	17
04425 Tunu-N (GC-Net station id 7)	3318	3160	450	450		
04464 DYE 2 (GC-Net station id 8)	4043	3996	6452	6451	1176	1174
04452 Jar 1 (GC-Net station id 9)	913	721	164	164		

**Table 4. The number of original messages operationally received (with in -1h and + 24 hours of the time of observation) and overview of which messages were also encoded as SYNOP for internal distribution within DMI. For distribution within WMO confer Table 2.**



Appendix to DMI, Data and Climate, notes: Status GC-Net SYNOP, 1 March 2012

All GC-Net data received by DMI/Obs1_2 as found in the Obs1_2 database on 29-02-2012 at approximately 13:20 UTC									
Hour of observation [UTC]					Timeliness (minutes from hour of observation)				
year	Station	Valid N	First [UTC]	Last [UTC]	Minimum	Maximum	Mean	Median	
1992	04458 Swiss Camp (GC-Net station id 1)	0							
	04485 Saddle (GC-Net station id 10)	1	21-JAN-1992 18:00	21-JAN-1992 18:00	10422191	10422191	10422191	10422191	
	04492 South Dome (GC-Net id 11)	0							
	04420 NASA-E (GC-Net id 12)	0							
	04440 NGRIP (GC-Net id 14 (closed))	0							
	04488 NASA-SE (GC-Net station id 15)	0							
	04460 JAR 2 (GC-NET station id 17)	0							
	04436 NEEM (GC-Net station id 23)	0							
	04443 NASA-U (GC-Net id 3)	0							
	04432 HumboldtS (GC-Net station id 5)	0							
	04418 Summit-US (GC-Net station id 6)	0							
	04425 Tunu-N (GC-Net station id 7)	0							
	04464 DYE 2 (GC-Net station id 8)	0							
	04452 Jar 1 (GC-Net station id 9)	0							
1997	04458 Swiss Camp (GC-Net station id 1)	0							
	04485 Saddle (GC-Net station id 10)	0							
	04492 South Dome (GC-Net id 11)	0							
	04420 NASA-E (GC-Net id 12)	0							
	04440 NGRIP (GC-Net id 14 (closed))	0							
	04488 NASA-SE (GC-Net station id 15)	1	03-JAN-1997 23:00	03-JAN-1997 23:00	7271527	7271527	7271527	7271527	
	04460 JAR 2 (GC-NET station id 17)	0							
	04436 NEEM (GC-Net station id 23)	0							
	04443 NASA-U (GC-Net id 3)	0							
	04432 HumboldtS (GC-Net station id 5)	0							
	04418 Summit-US (GC-Net station id 6)	0							
	04425 Tunu-N (GC-Net station id 7)	0							
	04464 DYE 2 (GC-Net station id 8)	0							
	04452 Jar 1 (GC-Net station id 9)	0							
2009	04458 Swiss Camp (GC-Net station id 1)	0							
	04485 Saddle (GC-Net station id 10)	0							

Appendix to DMI, Data and Climate, notes: Status GC-Net SYNOP, 1 March 2012

All GC-Net data received by DMI/Obs1_2 as found in the Obs1_2 database on 29-02-2012 at approximately 13:20 UTC										
Hour of observation [UTC]						Timeliness (minutes from hour of observation)				
year	Station	Valid N	First [UTC]	Last [UTC]	Minimum	Maximum	Mean	Median		
	04492 South Dome (GC-Net id 11)	0								
	04420 NASA-E (GC-Net id 12)	0								
	04440 NGRIP (GC-Net id 14 (closed))	1	31-DEC-2009 23:00	31-DEC-2009 23:00	247208	247208	247208	247208	247208	
	04488 NASA-SE (GC-Net station id 15)	0								
	04460 JAR 2 (GC-NET station id 17)	0								
	04436 NEEM (GC-Net station id 23)	0								
	04443 NASA-U (GC-Net id 3)	0								
	04432 HumboldtS (GC-Net station id 5)	0								
	04418 Summit-US (GC-Net station id 6)	0								
	04425 Tunu-N (GC-Net station id 7)	1	31-DEC-2009 22:00	31-DEC-2009 22:00	247268	247268	247268	247268	247268	
	04464 DYE 2 (GC-Net station id 8)	0								
	04452 Jar 1 (GC-Net station id 9)	0								
2010	04458 Swiss Camp (GC-Net station id 1)	3279	30-MAR-2010 17:00	29-NOV-2010 08:00	-652	251395	34194,44	16644		
	04485 Saddle (GC-Net station id 10)	4473	23-JAN-2010 23:00	07-DEC-2010 11:00	61	375563	12944,64	69		
	04492 South Dome (GC-Net id 11)	15	01-APR-2010 14:00	03-MAY-2010 05:00	71197	116737	87493	79897		
	04420 NASA-E (GC-Net id 12)	0								
	04440 NGRIP (GC-Net id 14 (closed))	2578	01-JAN-2010 02:00	05-MAY-2010 17:00	67576	247028	162062	159165		
	04488 NASA-SE (GC-Net station id 15)	3790	12-JAN-2010 23:00	31-DEC-2010 21:00	-1192	471909	14895,75	69		
	04460 JAR 2 (GC-NET station id 17)	915	20-APR-2010 12:00	27-JUL-2010 20:00	-52099	195572	52600,81	52359		
	04436 NEEM (GC-Net station id 23)	5969	30-MAR-2010 17:00	31-DEC-2010 21:00	61	167072	19924,09	69		
	04443 NASA-U (GC-Net id 3)	18	10-JAN-2010 17:00	24-JUL-2010 23:00	21247	324265	160220,8	150349		
	04432 HumboldtS (GC-Net station id 5)	6047	01-JAN-2010 01:00	31-DEC-2010 23:00	66	374845	65059,87	1507		
	04418 Summit-US (GC-Net station id 6)	5600	23-JAN-2010 08:00	31-DEC-2010 21:00	-4250	392647	17543,66	69		
	04425 Tunu-N (GC-Net station id 7)	6718	01-JAN-2010 04:00	20-DEC-2010 02:00	7	246908	64651,67	2265		
	04464 DYE 2 (GC-Net station id 8)	5828	30-MAR-2010 17:00	31-DEC-2010 21:00	61	251395	17314,11	69		
	04452 Jar 1 (GC-Net station id 9)	2766	30-MAR-2010 17:00	03-DEC-2010 15:00	67	251395	44807,38	35043		
2011	04458 Swiss Camp (GC-Net station id 1)	1581	17-MAY-2011 18:00	11-NOV-2011 15:00	53	14493	995,5402	69		
	04485 Saddle (GC-Net station id 10)	5649	04-JAN-2011 17:00	31-DEC-2011 22:00	53	32834	1683,581	69		
	04492 South Dome (GC-Net id 11)	3657	30-MAY-2011 20:00	31-DEC-2011 23:00	53	32834	1966,684	69		
	04420 NASA-E (GC-Net id 12)	3504	05-JUN-2011 09:00	31-DEC-2011 22:00	-3830	32834	2132,948	69		

Appendix to DMI, Data and Climate, notes: Status GC-Net SYNOP, 1 March 2012

All GC-Net data received by DMI/Obs1_2 as found in the Obs1_2 database on 29-02-2012 at approximately 13:20 UTC										
Hour of observation [UTC]						Timeliness (minutes from hour of observation)				
year	Station	Valid N	First [UTC]	Last [UTC]	Minimum	Maximum	Mean	Median		
	04440 NGRIP (GC-Net id 14 (closed))	0								
	04488 NASA-SE (GC-Net station id 15)	4268	01-JAN-2011 00:00	31-DEC-2011 04:00	-119300	32834	1441,481			69
	04460 JAR 2 (GC-NET station id 17)	2854	10-JUN-2011 20:00	15-NOV-2011 15:00	-44586	31736	-18990,47			67
	04436 NEEM (GC-Net station id 23)	6184	01-JAN-2011 00:00	31-DEC-2011 23:00	-4732	32834	1421,326			69
	04443 NASA-U (GC-Net id 3)	4521	05-JUN-2011 09:00	31-DEC-2011 23:00	27	32834	2035,699			71
	04432 HumboldtS (GC-Net station id 5)	286	01-JAN-2011 01:00	18-JAN-2011 01:00	67	177	73,38462			69
	04418 Summit-US (GC-Net station id 6)	5903	01-JAN-2011 00:00	24-OCT-2011 18:00	-350	32834	1680,874			69
	04425 Tunu-N (GC-Net station id 7)	608	23-APR-2011 10:00	02-JUN-2011 13:00	127	15577	2252,107			189
	04464 DYE 2 (GC-Net station id 8)	7208	01-JAN-2011 00:00	31-DEC-2011 23:00	53	32834	1501,693			69
	04452 Jar 1 (GC-Net station id 9)	1481	10-JUN-2011 09:00	16-OCT-2011 16:00	-44572	31975	-35444,52			-44570
2012	04458 Swiss Camp (GC-Net station id 1)	0								
	04485 Saddle (GC-Net station id 10)	502	01-JAN-2012 01:00	11-MAR-2012 02:00	-42828	5371	195,4821			69
	04492 South Dome (GC-Net id 11)	872	01-JAN-2012 01:00	29-FEB-2012 11:00	-3048	5371	258,1399			69
	04420 NASA-E (GC-Net id 12)	42	03-JAN-2012 23:00	09-JAN-2012 09:00	69	1185	113,4524			71
	04440 NGRIP (GC-Net id 14 (closed))	0								
	04488 NASA-SE (GC-Net station id 15)	74	05-JAN-2012 22:00	16-FEB-2012 08:00	67	247	90,97297			69
	04460 JAR 2 (GC-NET station id 17)	0								
	04436 NEEM (GC-Net station id 23)	398	01-JAN-2012 02:00	29-FEB-2012 10:00	-28670	5315	65,36432			69
	04443 NASA-U (GC-Net id 3)	0								
	04432 HumboldtS (GC-Net station id 5)	0								
	04418 Summit-US (GC-Net station id 6)	16	16-FEB-2012 13:00	22-FEB-2012 15:00	67	131	75,5			67
	04425 Tunu-N (GC-Net station id 7)	0								
	04464 DYE 2 (GC-Net station id 8)	1235	01-JAN-2012 00:00	29-FEB-2012 11:00	66	5446	251,4121			69
	04452 Jar 1 (GC-Net station id 9)	0								
2015	04458 Swiss Camp (GC-Net station id 1)	0								
	04485 Saddle (GC-Net station id 10)	0								
	04492 South Dome (GC-Net id 11)	0								
	04420 NASA-E (GC-Net id 12)	0								
	04440 NGRIP (GC-Net id 14 (closed))	0								
	04488 NASA-SE (GC-Net station id 15)	1	23-JAN-2015 23:00	23-JAN-2015 23:00	-2244168	-2244168	-2244168			-2244168

Appendix to DMI, Data and Climate, notes: Status GC-Net SYNOP, 1 March 2012

All GC-Net data received by DMI/Obs1_2 as found in the Obs1_2 database on 29-02-2012 at approximately 13:20 UTC									
Hour of observation [UTC]						Timeliness (minutes from hour of observation)			
year	Station	Valid N	First [UTC]	Last [UTC]	Minimum	Maximum	Mean	Median	
	04460 JAR 2 (GC-NET station id 17)	0							
	04436 NEEM (GC-Net station id 23)	1	06-JAN-2015 02:00	06-JAN-2015 02:00	-1798010	-1798010	-1798010	-1798010	
	04443 NASA-U (GC-Net id 3)	0							
	04432 HumboldtS (GC-Net station id 5)	0							
	04418 Summit-US (GC-Net station id 6)	0							
	04425 Tunu-N (GC-Net station id 7)	0							
	04464 DYE 2 (GC-Net station id 8)	0							
	04452 Jar 1 (GC-Net station id 9)	0							
2020	04458 Swiss Camp (GC-Net station id 1)	0							
	04485 Saddle (GC-Net station id 10)	2	05-JAN-2020 20:00	17-JAN-2020 08:00	-4669010	-4206230	-4437620	-4437620	
	04492 South Dome (GC-Net id 11)	0							
	04420 NASA-E (GC-Net id 12)	0							
	04440 NGRIP (GC-Net id 14 (closed))	0							
	04488 NASA-SE (GC-Net station id 15)	2	23-JAN-2020 23:00	10-FEB-2020 22:00	-4897910	-4207550	-4552730	-4552730	
	04460 JAR 2 (GC-NET station id 17)	1	20-JAN-2020 20:00	20-JAN-2020 20:00	-5040259	-5040259	-5040259	-5040259	
	04436 NEEM (GC-Net station id 23)	2	25-JAN-2020 01:00	25-FEB-2020 11:00	-4207612	-4207610	-4207611	-4207611	
	04443 NASA-U (GC-Net id 3)	0							
	04432 HumboldtS (GC-Net station id 5)	0							
	04418 Summit-US (GC-Net station id 6)	3	10-JAN-2020 17:00	12-MAR-2020 07:00	-4802198	-4148508	-4561125	-4732668	
	04425 Tunu-N (GC-Net station id 7)	0							
	04464 DYE 2 (GC-Net station id 8)	0							
	04452 Jar 1 (GC-Net station id 9)	0							
2022	04458 Swiss Camp (GC-Net station id 1)	0							
	04485 Saddle (GC-Net station id 10)	0							
	04492 South Dome (GC-Net id 11)	0							
	04420 NASA-E (GC-Net id 12)	0							
	04440 NGRIP (GC-Net id 14 (closed))	0							
	04488 NASA-SE (GC-Net station id 15)	0							
	04460 JAR 2 (GC-NET station id 17)	1	27-JAN-2022 23:00	27-JAN-2022 23:00	-5941707	-5941707	-5941707	-5941707	
	04436 NEEM (GC-Net station id 23)	0							

Appendix to DMI, Data and Climate, notes: Status GC-Net SYNOP, 1 March 2012

All GC-Net data received by DMI/Obs1_2 as found in the Obs1_2 database on 29-02-2012 at approximately 13:20 UTC										
Hour of observation [UTC]						Timeliness (minutes from hour of observation)				
year	Station	Valid N	First [UTC]	Last [UTC]	Minimum	Maximum	Mean	Median		
	04443 NASA-U (GC-Net id 3)	0								
	04432 HumboldtS (GC-Net station id 5)	0								
	04418 Summit-US (GC-Net station id 6)	0								
	04425 Tunu-N (GC-Net station id 7)	0								
	04464 DYE 2 (GC-Net station id 8)	0								
	04452 Jar 1 (GC-Net station id 9)	0								
2044	04458 Swiss Camp (GC-Net station id 1)	0								
	04485 Saddle (GC-Net station id 10)	1	18-FEB-2044 07:00	18-FEB-2044 07:00	-16830650	-16830650	-16830650	-16830650		
	04492 South Dome (GC-Net id 11)	0								
	04420 NASA-E (GC-Net id 12)	0								
	04440 NGRIP (GC-Net id 14 (closed))	0								
	04488 NASA-SE (GC-Net station id 15)	0								
	04460 JAR 2 (GC-NET station id 17)	0								
	04436 NEEM (GC-Net station id 23)	0								
	04443 NASA-U (GC-Net id 3)	0								
	04432 HumboldtS (GC-Net station id 5)	0								
	04418 Summit-US (GC-Net station id 6)	0								
	04425 Tunu-N (GC-Net station id 7)	0								
	04464 DYE 2 (GC-Net station id 8)	0								
	04452 Jar 1 (GC-Net station id 9)	0								