

## Residual time series of station positions generated within the SIRGAS multi-year solution SIR11P01

This document presents the residual time series determined within the latest multi-year solution of the SIRGAS Reference Frame, SIR11P01, to identify outliers and discontinuities in the station positions. See:

Sánchez L., M. Seitz 2011. *Recent activities of the IGS Regional Network Associate Analysis Centre for SIRGAS (IGS RNAAC SIR)*. DGFI Report No. 87. Munich. Available at [www.sirgas.org](http://www.sirgas.org).

The following procedure was applied for their determination:

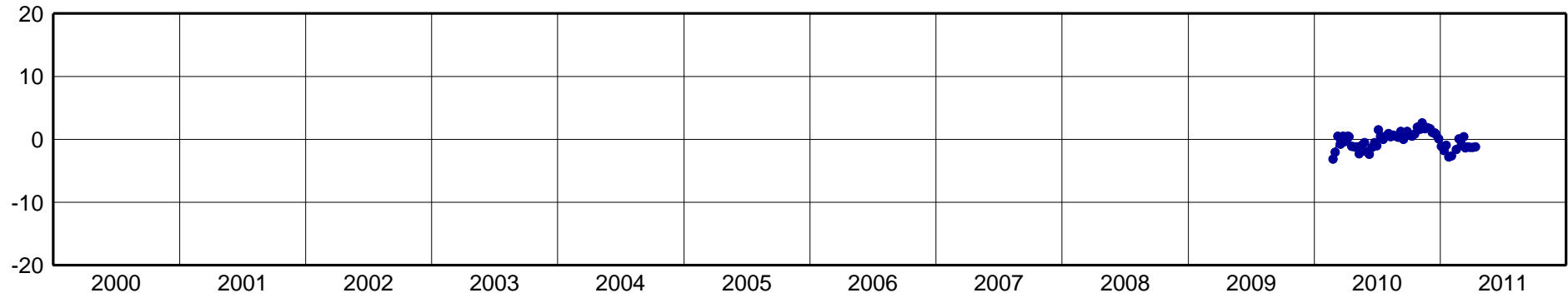
1. Weekly normal equations are separately solved applying no-net-rotation (NNR) and no-net-translation (NNT) conditions with respect to ITRF2008.
2. Weekly stations positions obtained in (1) are transformed to an a-priori SIRGAS reference frame (i.e. the previous SIR10P01 multi-year solution) by a 7-parameter similarity transformation.
3. The residuals obtained in (2) are analysed to detect discontinuities and outliers. The thresholds for outliers are defined by  $\pm 15$  mm for North and East and  $\pm 30$  mm for height (about fourfold the mean RMS). If outliers appear sporadically (without pattern), the station is reduced from the normal equation for the corresponding week. If outliers correspond to a discontinuity, a new position is set up for the station.
4. The weekly normal equations are combined to a multi-year solution setting up station velocities and taking into account the outliers and discontinuities detected in (3).
5. After solving the first SIRGAS reference frame in (4), steps (3) and (4) are iterated: new station position residual time series are generated by transforming the weekly solutions to the computed SIRGAS reference frame. Discontinuity and outlier detection is repeated and the new information is introduced into the computation of a refined reference frame.

The following table summarizes the discontinuities detected in this analysis.

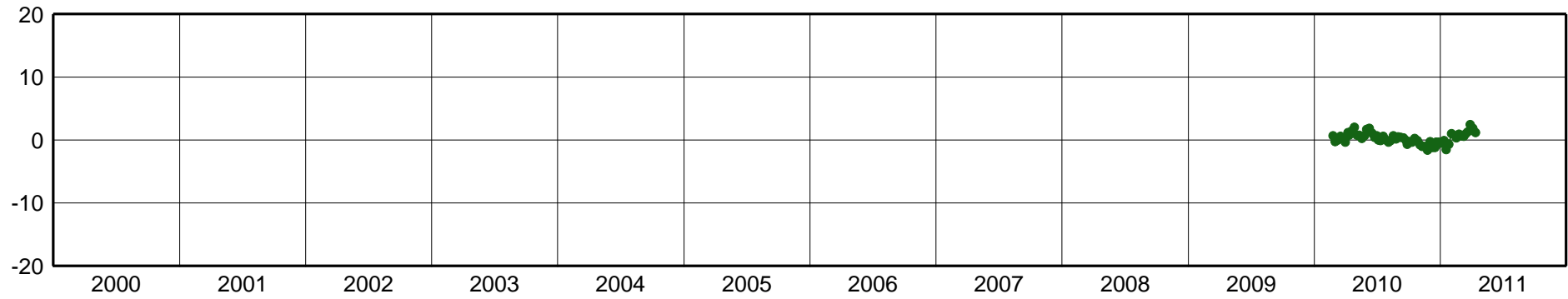
Station	ID-SNX	Start	End	Comments	Station	ID-SNX	Start	End	Comments
AREQ 42202M005	A 0001	2000-01-02	2001-06-22	Arequipa earthquake (7,2)	KOUR 97301M210	A 0001	2000-01-02	2002-01-16	Antenna change
AREQ 42202M005	A 0005	2002-08-27	2007-12-01	Cable change	KOUR 97301M210	A 0002	2002-02-06	2006-07-01	Jump
AREQ 42202M005	A 0006	2007-12-02	2011-04-16	-	KOUR 97301M210	A 0003	2006-07-02	2011-04-16	-
BDOS 43401M001	A 0002	2005-06-05	2007-12-01	Martinique earthquake	MANA 41201S001	A 0001	2000-05-14	2004-10-10	Managua earthquake (6,9)
BDOS 43401M001	A 0003	2007-12-02	2011-04-16	-	MANA 41201S001	A 0002	2004-10-11	2011-04-16	-
BOGT 41901M001	A 0003	2002-05-23	2005-07-15	Antenna swap	MARA 42402M001	A 0001	2000-01-21	2008-05-26	Antenna change
BOGT 41901M001	A 0005	2005-07-17	2011-04-16	-	MARA 42402M001	A 0002	2008-07-16	2011-04-16	-
BRAZ 41606M001	A 0001	2000-01-02	2007-03-11	Antenna & receiver change	MDO1 40442M012	A 0001	2000-01-02	2004-12-02	Receiver change
BRAZ 41606M001	A 0002	2007-03-18	2011-04-16	-	MDO1 40442M012	A 0003	2004-12-08	2011-04-16	-
BRMU 42501S004	A 0001	2000-01-02	2003-02-12	Antenna & receiver change	NEIA 41620M002	A 0001	2006-01-05	2009-11-16	Antenna & receiver change
BRMU 42501S004	A 0002	2003-03-12	2009-04-11	Jump	NEIA 41620M002	A 0002	2010-01-02	2011-04-16	-
BRMU 42501S004	A 0003	2009-04-13	2011-04-16	-	ONRJ 41635M001	A 0001	2007-04-01	2009-10-10	Antenna & receiver change
CBSB 80402M001	A 0001	2005-11-19	2008-11-07	Jump	ONRJ 41635M001	A 0002	2009-10-11	2011-04-16	-
CBSB 80402M001	A 0002	2008-11-27	2011-04-16	-	PARC 41716S001	A 0001	2000-01-02	2001-10-03	Antenna swap
CONZ 41719M002	A 0001	2002-06-10	2005-05-13	Antenna & receiver change	PARC 41716S001	A 0002	2001-12-12	2011-04-16	-
CONZ 41719M002	A 0002	2005-05-18	2010-02-26	-	PIE1 40456M001	A 0003	2000-01-02	2006-09-04	Antenna change
COPO 41714S001	A 0001	2002-07-01	2006-04-28	Copiapo earthquake (5,3)	PIE1 40456M001	A 0005	2007-01-24	2011-04-16	-
COPO 41714S001	A 0002	2006-05-03	2007-10-01	Antenna & receiver change	PMB1 43702S001	A 0001	2005-12-30	2007-10-21	Antenna & receiver change
COPO 41714S001	A 0003	2008-07-05	2010-02-26	-	PMB1 43702S001	A 0002	2007-12-19	2011-04-16	-
CORD 41511M001	A 0001	2000-01-02	2004-04-04	Receiver change	RIOP 42006M001	A 0001	2000-01-02	2001-12-28	Antenna & receiver change
CORD 41511M001	A 0002	2005-03-03	2006-05-02	-	RIOP 42006M001	A 0002	2007-04-29	2011-04-16	-
COYQ 41715S001	A 0001	2000-01-02	2004-09-07	Jump	SSIA 41401S001	A 0003	2001-02-13	2003-12-28	Jump
COYQ 41715S001	A 0002	2007-12-06	2011-04-16	-	SSIA 41401S001	A 0004	2005-06-16	2010-07-25	-
CRAT 41619M001	A 0001	2001-08-20	2005-06-29	Jump	TUCU 41520S001	A 0001	2002-01-01	2006-01-23	Change of trend in vertical velocity
CRAT 41619M001	A 0002	2005-08-16	2008-01-26	Jump	TUCU 41520S001	A 0002	2006-08-31	2011-04-16	-
CRAT 41619M001	A 0003	2008-03-07	2010-12-28	-	UBAT 41627M001	A 0001	2006-01-02	2008-04-11	Jump
CRO1 43201M001	A 0002	2000-01-02	2005-01-19	Antenna & receiver change	UBAT 41627M001	A 0002	2008-04-14	2009-09-06	-
CRO1 43201M001	A 0003	2005-08-04	2011-04-16	-	UCOR 41502M001	A 0001	2004-04-05	2008-11-13	Antenna & receiver change
CUIB 41603M001	A 0001	2000-01-21	2007-04-07	Antenna & receiver change	UCOR 41502M001	A 0002	2008-11-23	2010-02-26	-
CUIB 41603M001	A 0002	2007-04-10	2011-04-16	-	UNSA 41514M001	A 0001	2000-01-02	2008-07-27	Antenna swap
ETCG 40602M001	A 0001	2003-02-11	2009-01-09	Costa Rica earthquake	UNSA 41514M001	A 0002	2008-07-28	2010-02-26	-
ETCG 40602M001	A 0002	2009-01-11	2011-04-16	-	UYMO 42301M001	A 0001	2007-11-01	2009-03-07	Antenna change
GLPS 42005M002	A 0001	2003-01-07	2008-02-26	Receiver change	UYMO 42301M001	A 0002	2009-03-08	2010-02-26	-
GLPS 42005M002	A 0002	2008-10-11	2010-12-28	-	VIVI 41931S001	A 0001	2005-09-18	2007-12-28	Jump
INEG 40507M001	A 0003	2000-05-05	2001-05-05	Antenna swap	VIVI 41931S001	A 0002	2008-01-24	2011-03-03	-
INEG 40507M001	A 0004	2001-05-06	2002-03-22	Jump	VIVI 41931S001	A 0001	2005-09-18	2007-12-28	Jump
INEG 40507M001	A 0005	2004-11-15	2011-04-16	-	VIVI 41931S001	A 0002	2008-01-24	2011-03-03	-

ABCC-North Component [mm]

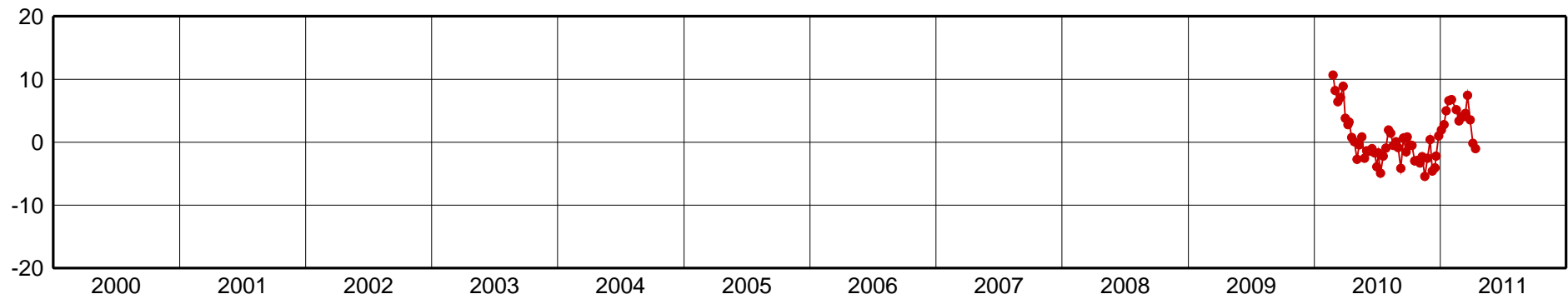
○ SIRGAS Analysis Centre at DGFI



ABCC-East Component [mm]

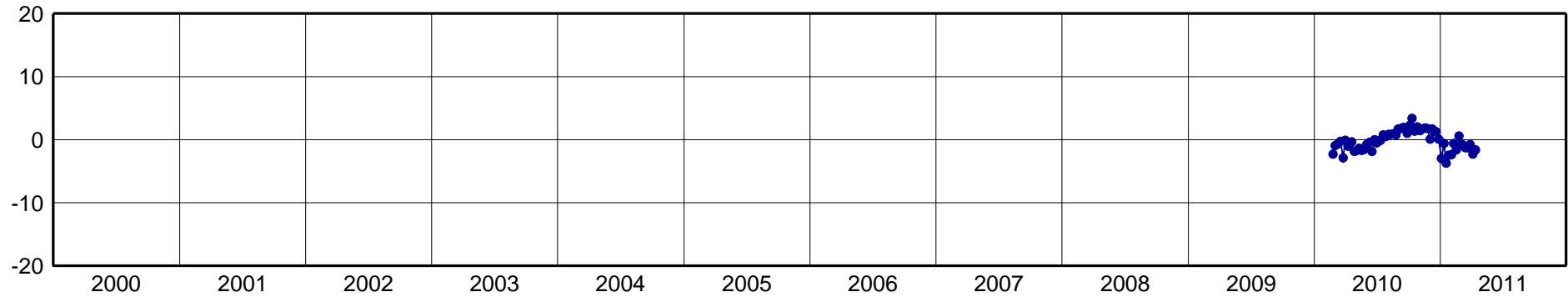


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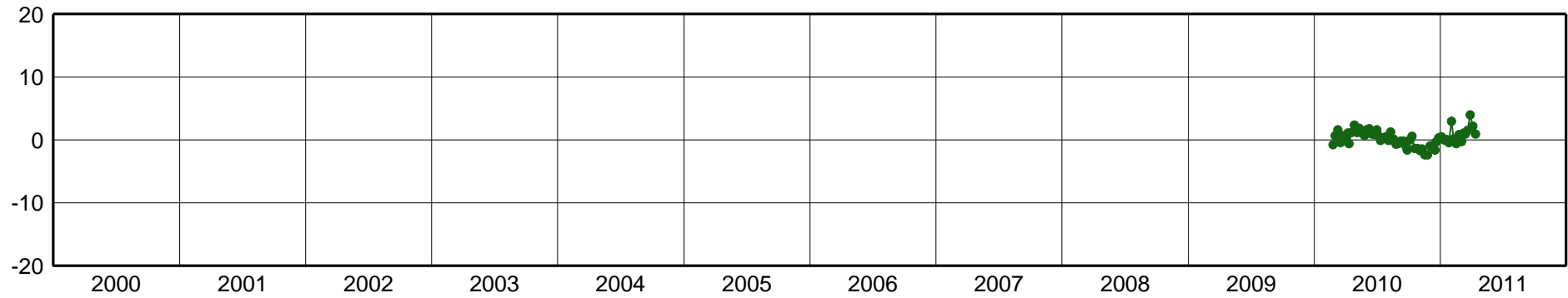


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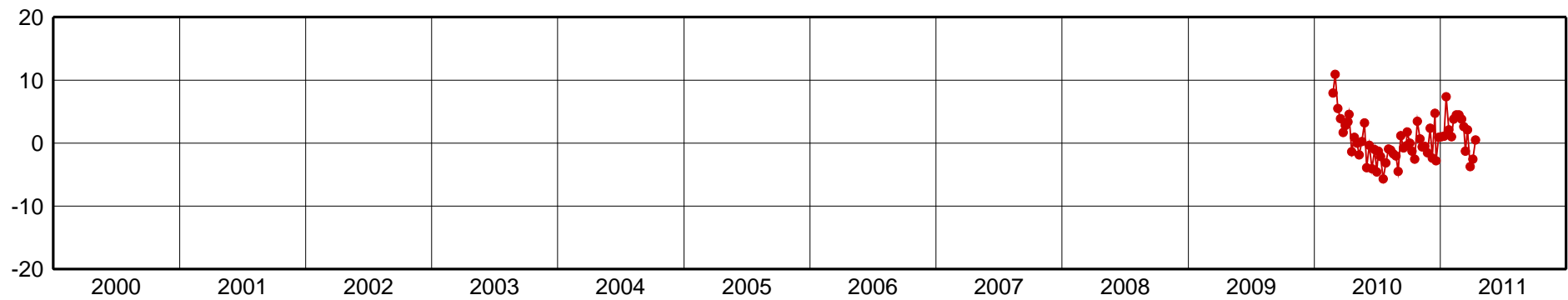
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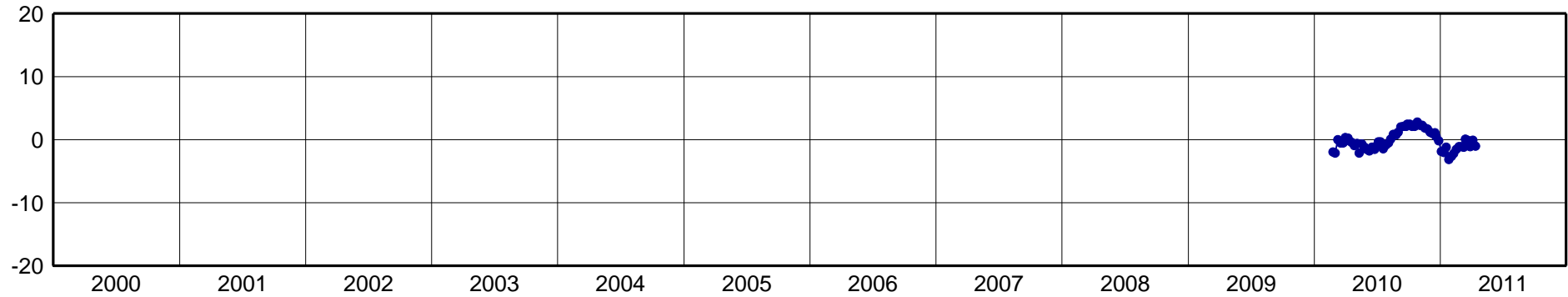


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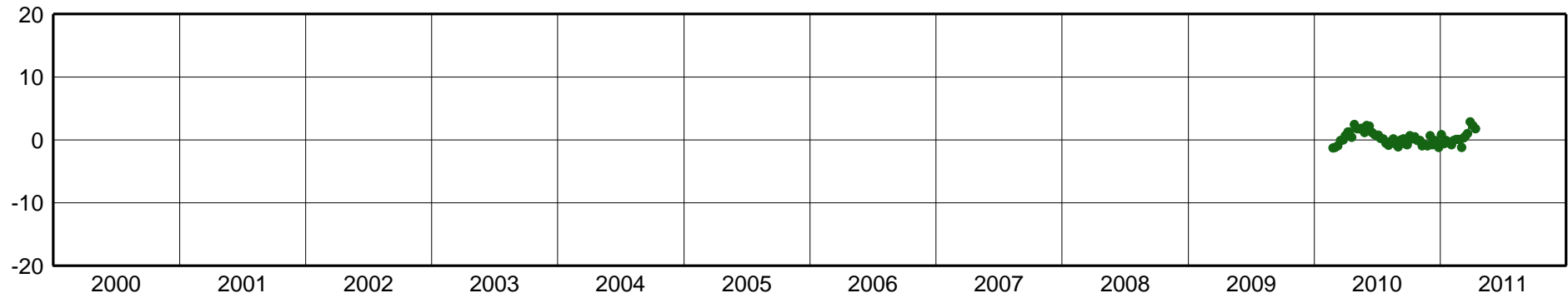


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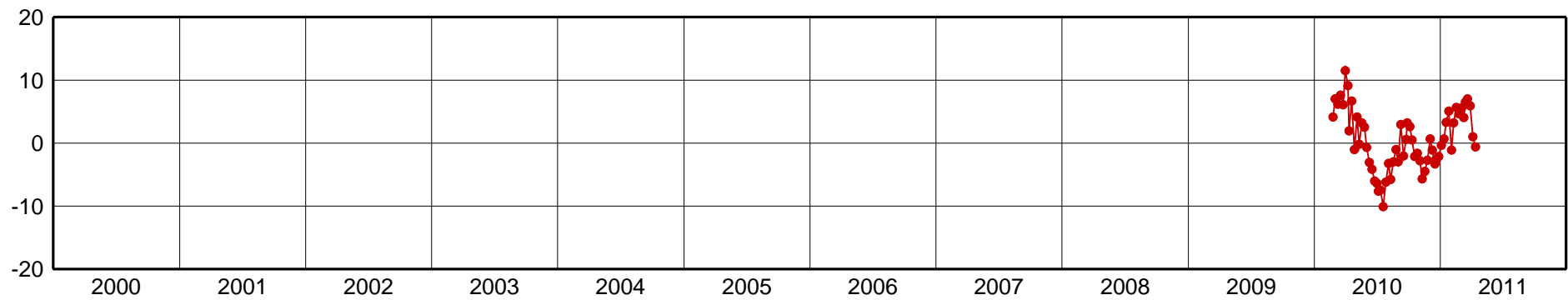
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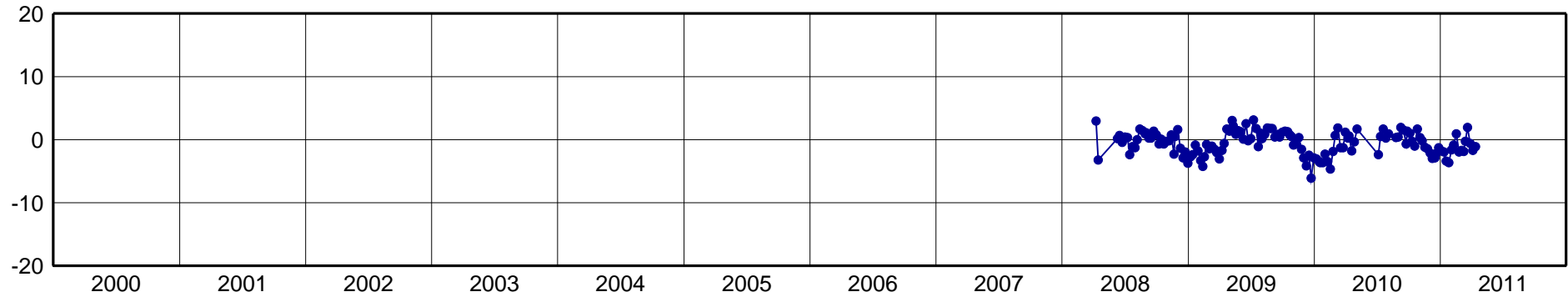


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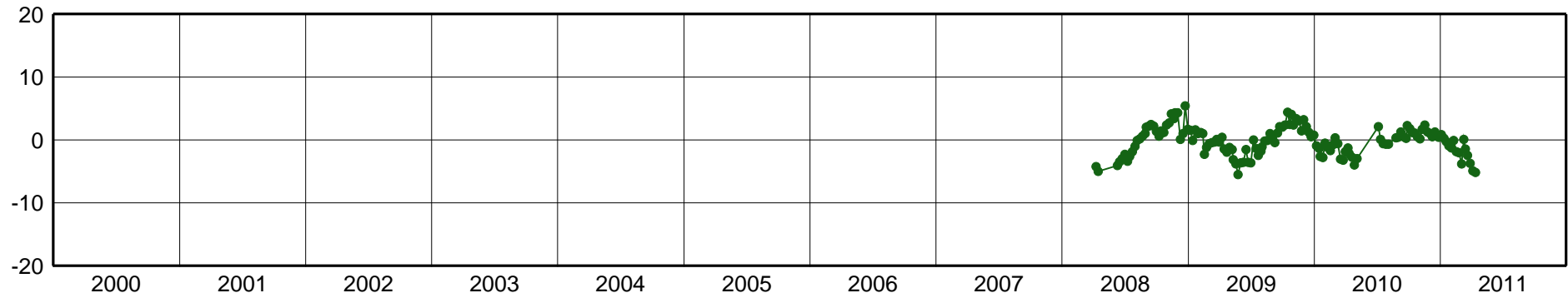


ALAR-North Component [mm]

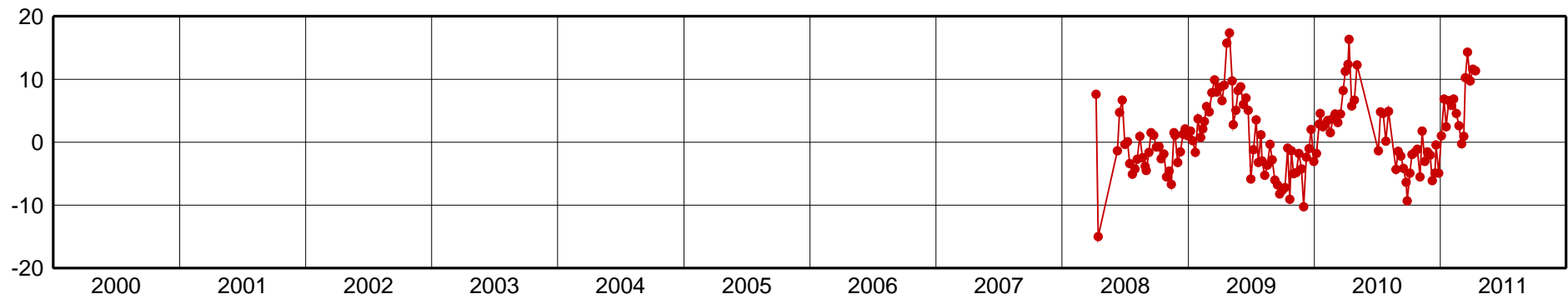
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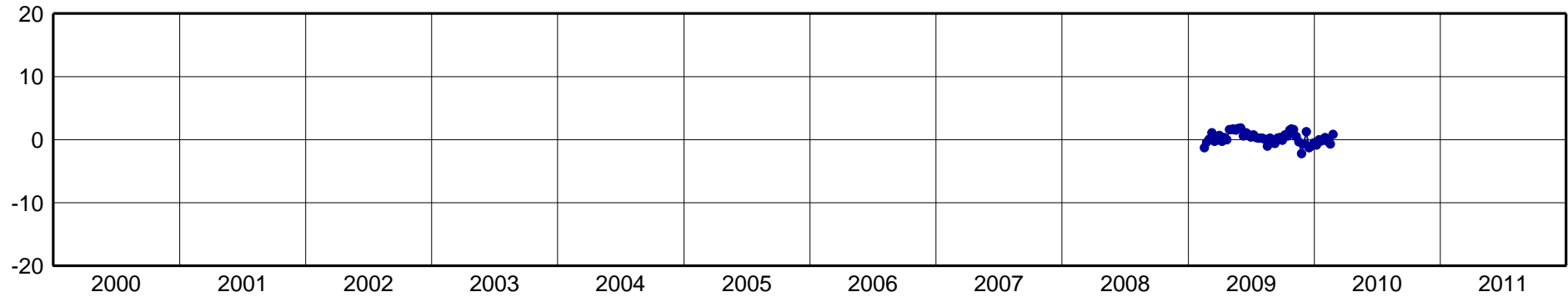


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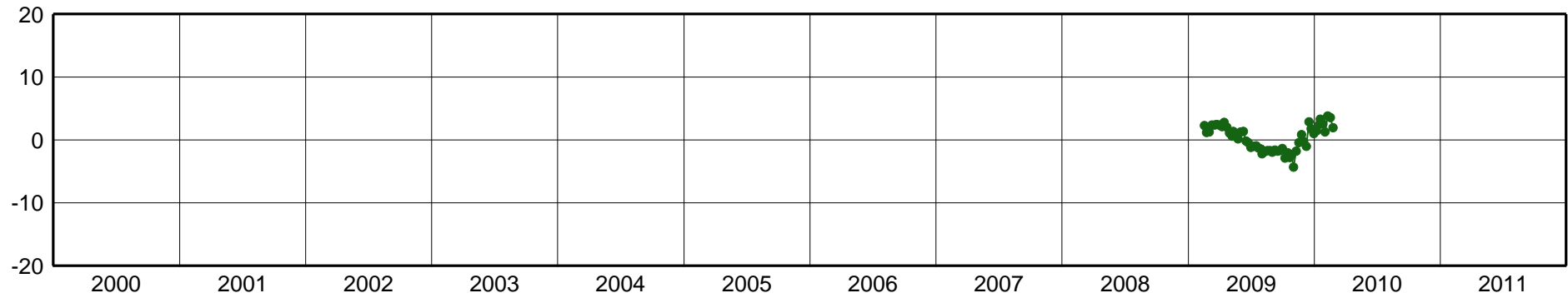


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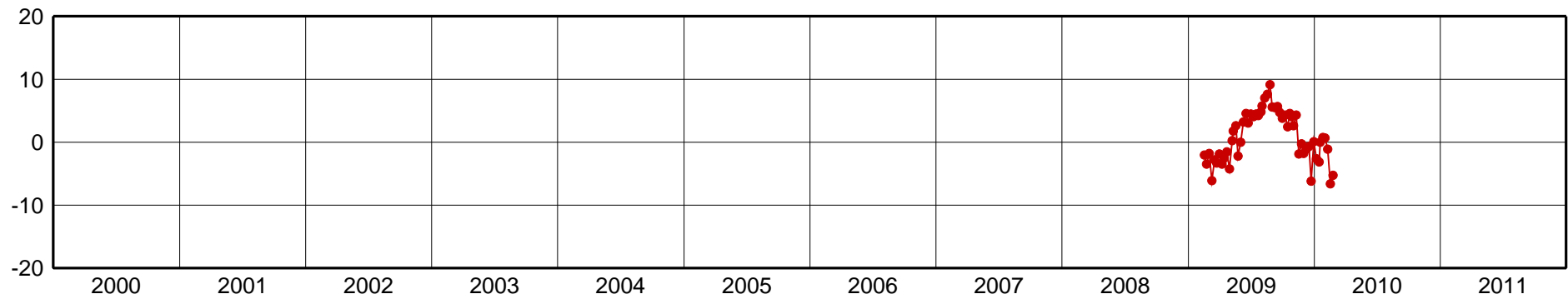
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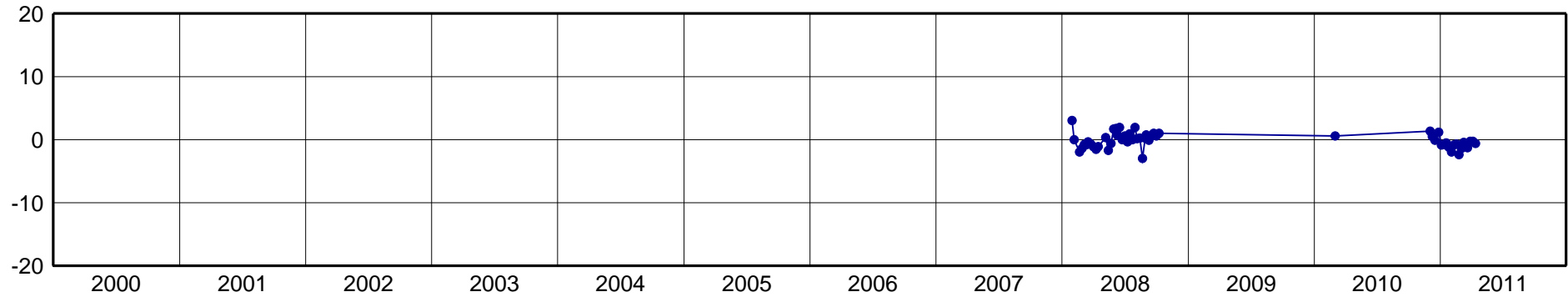


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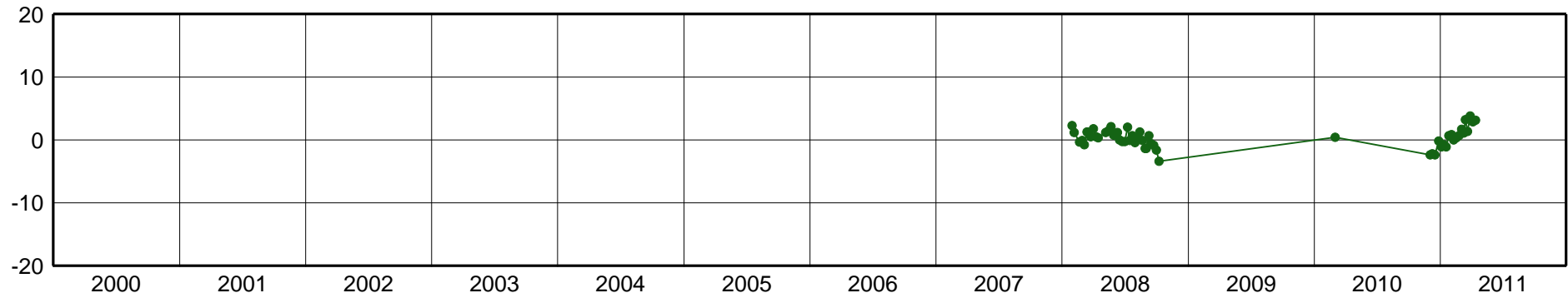


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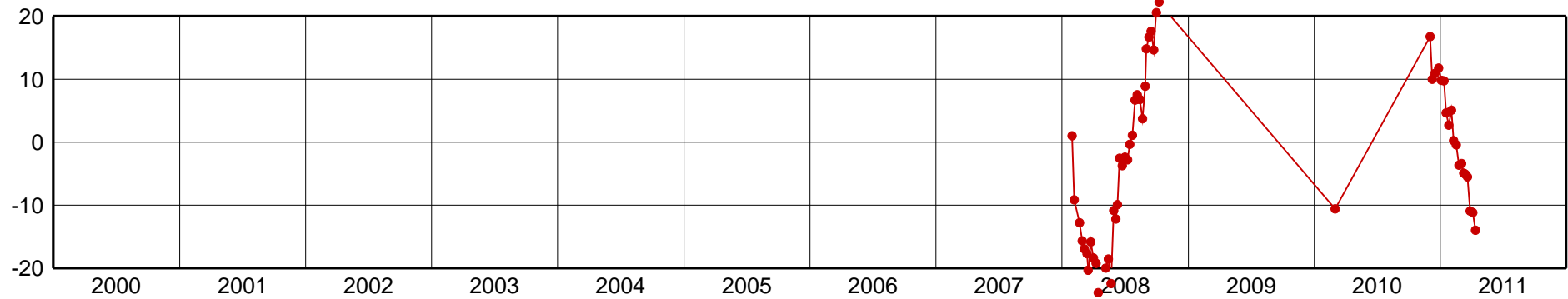
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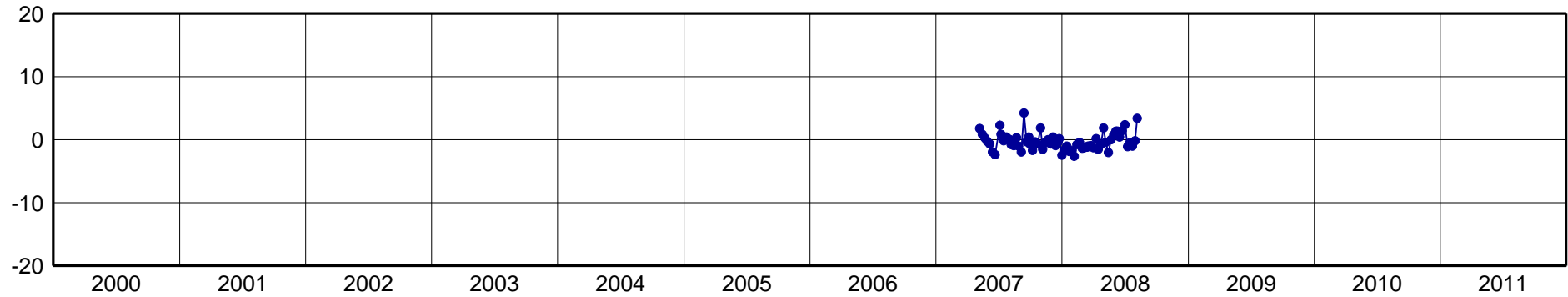
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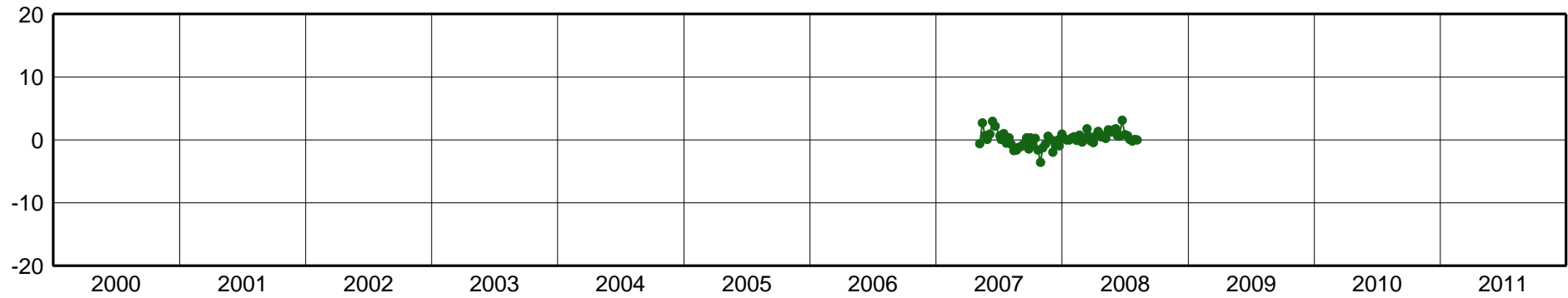


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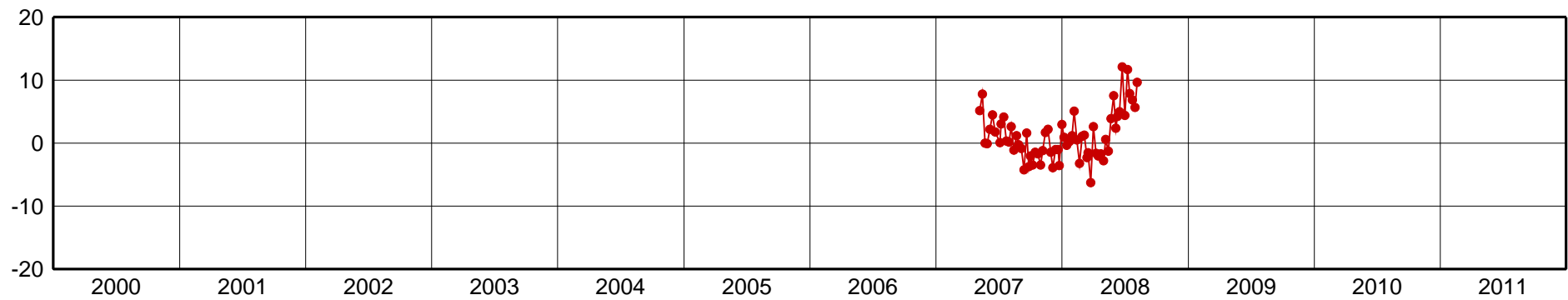
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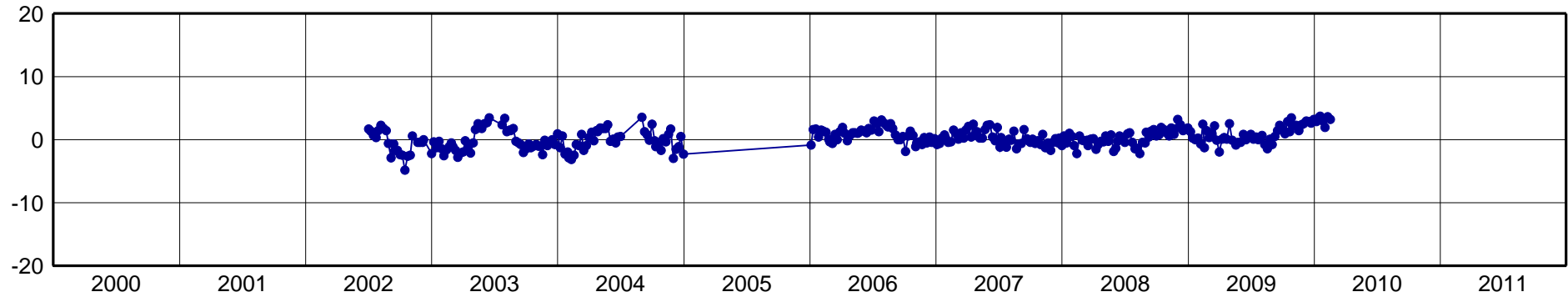


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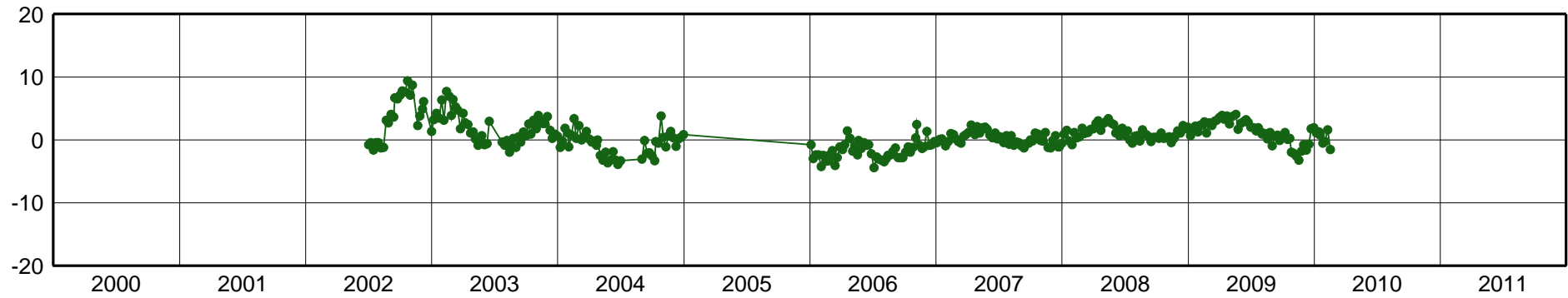


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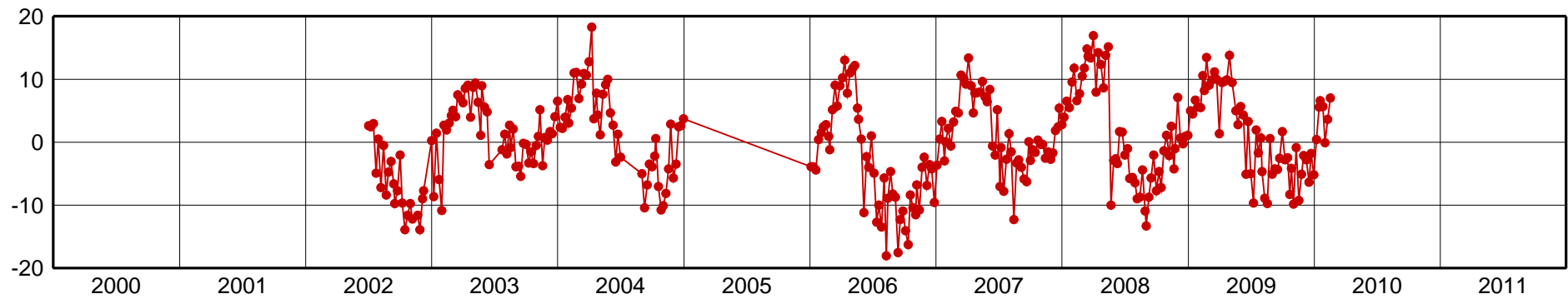
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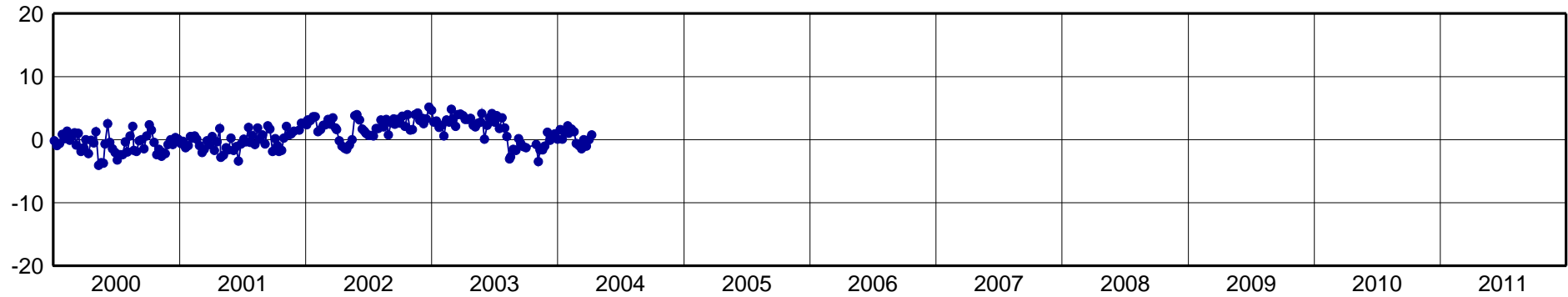


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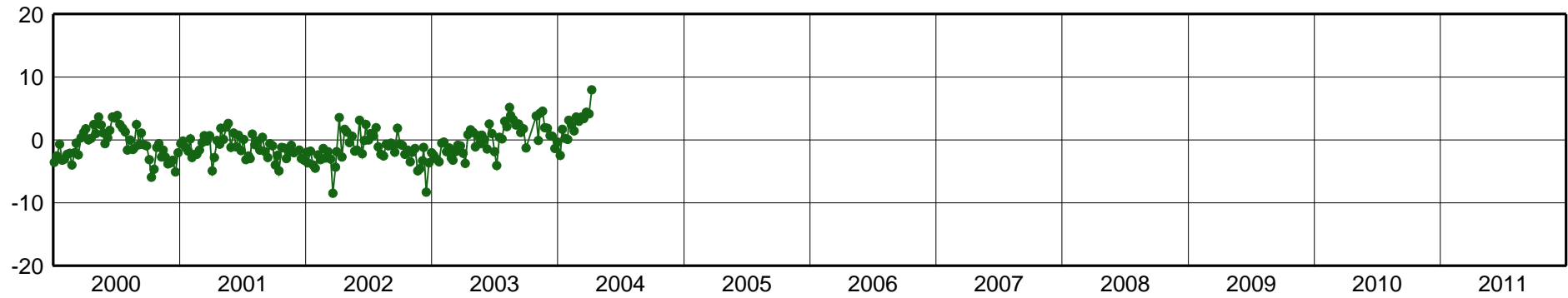


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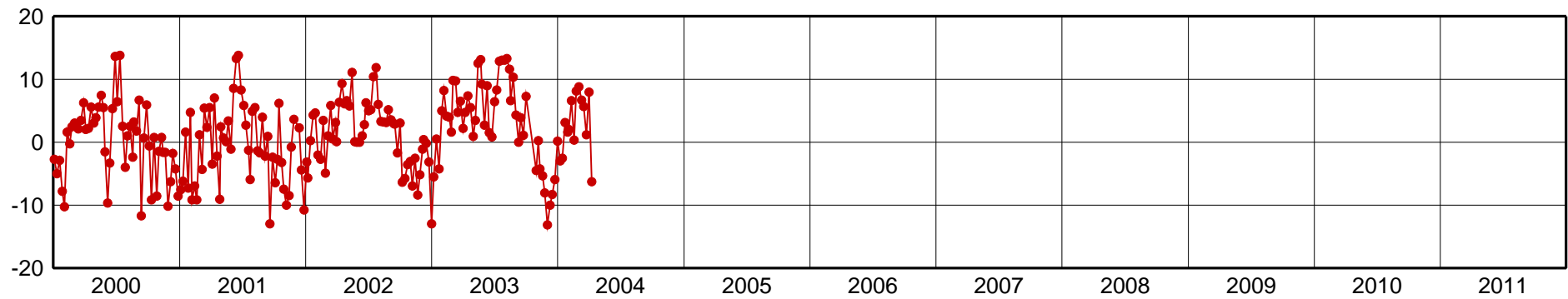
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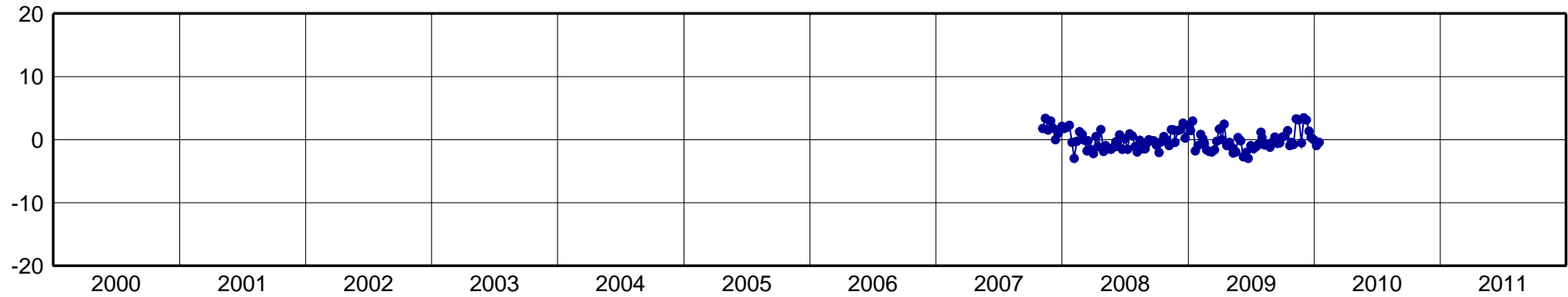


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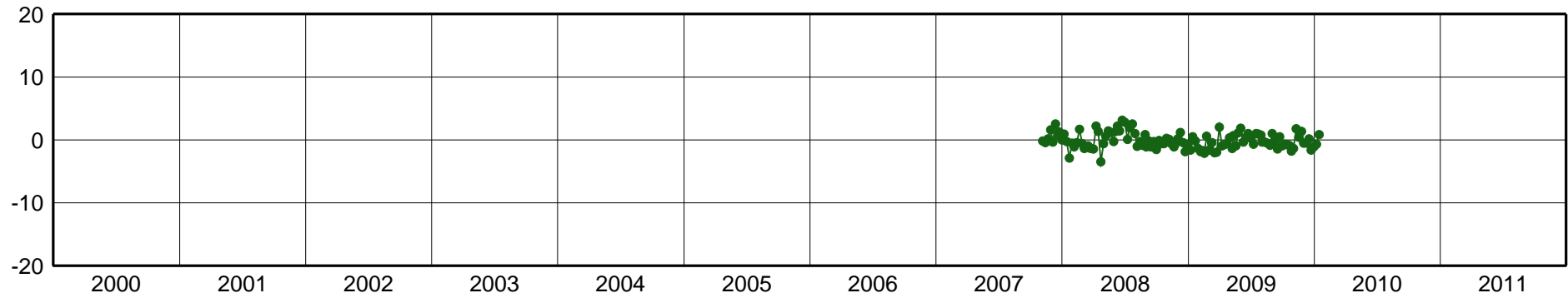


APTO-North Component [mm]

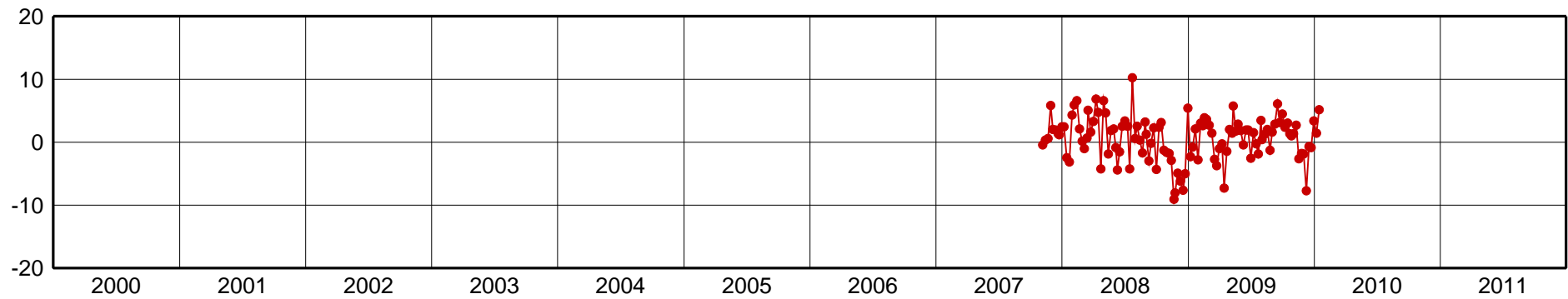
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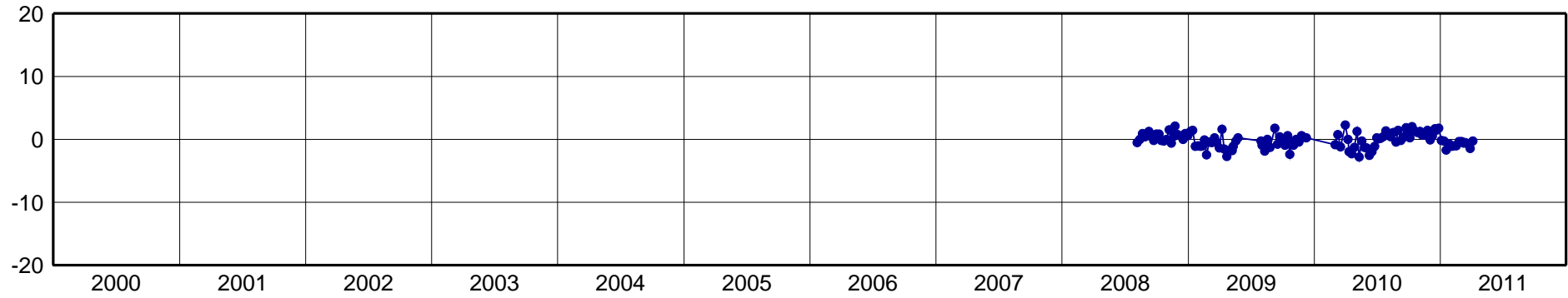


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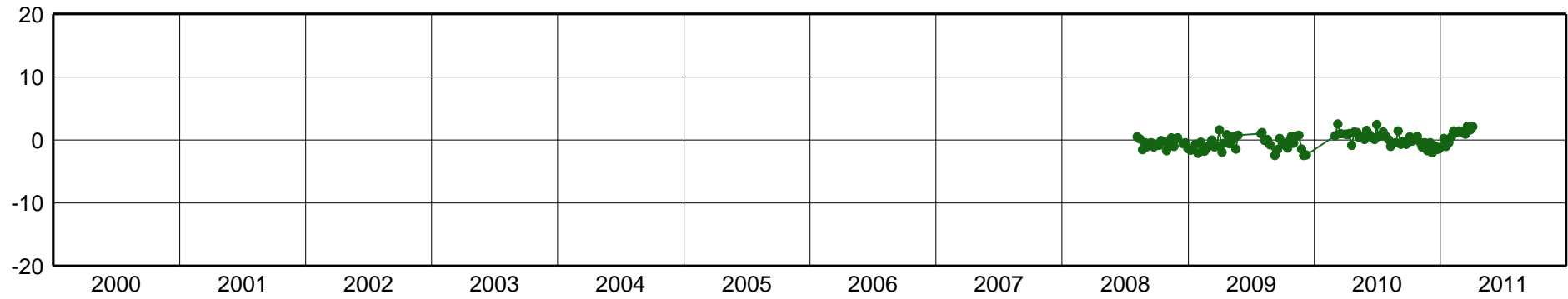


ARCA-North Component [mm]

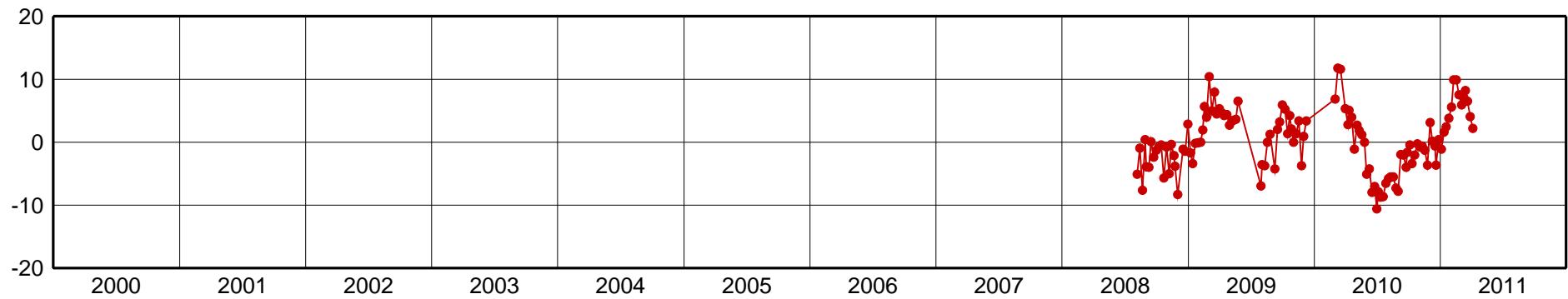
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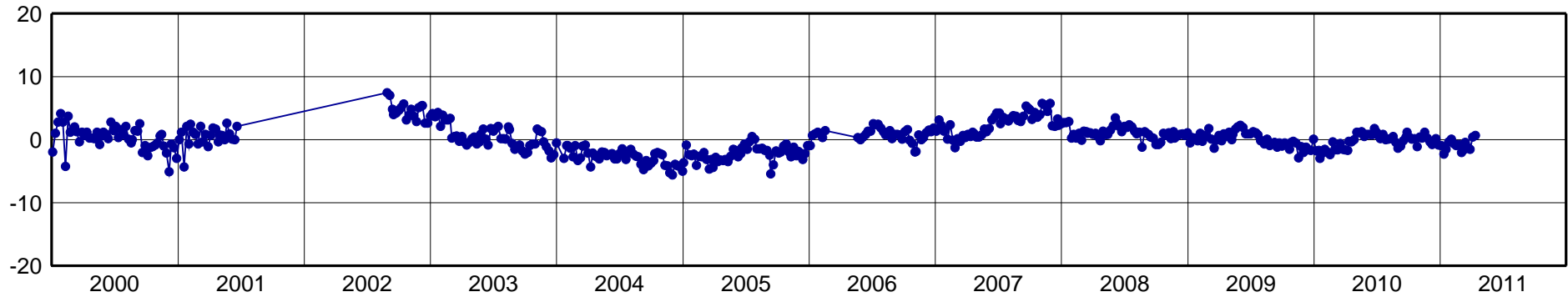


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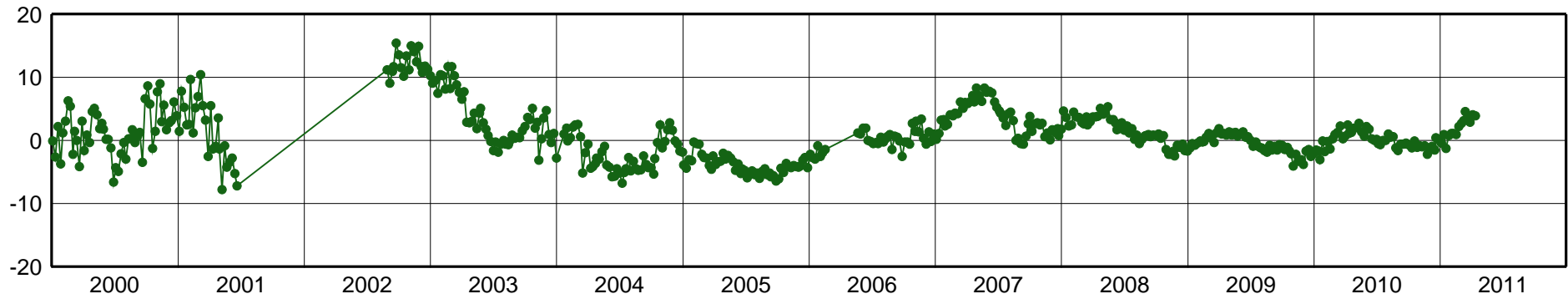


AREQ-North Component [mm]

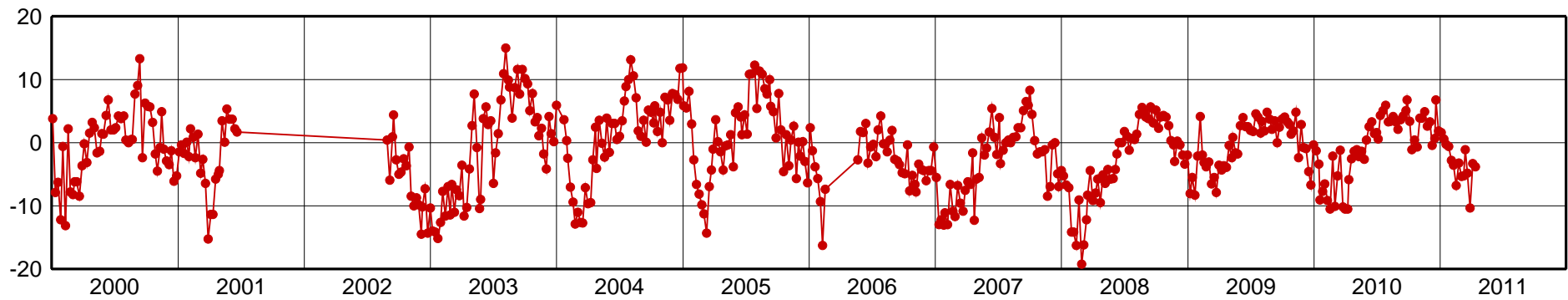
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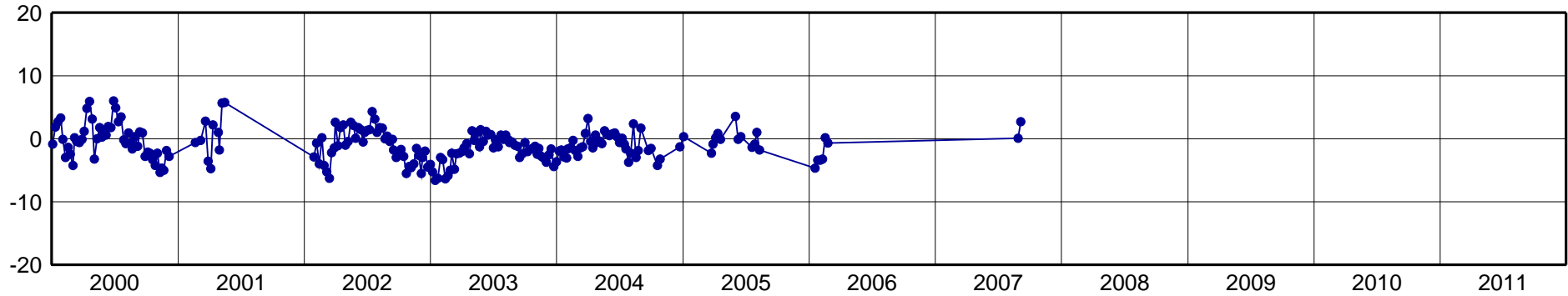


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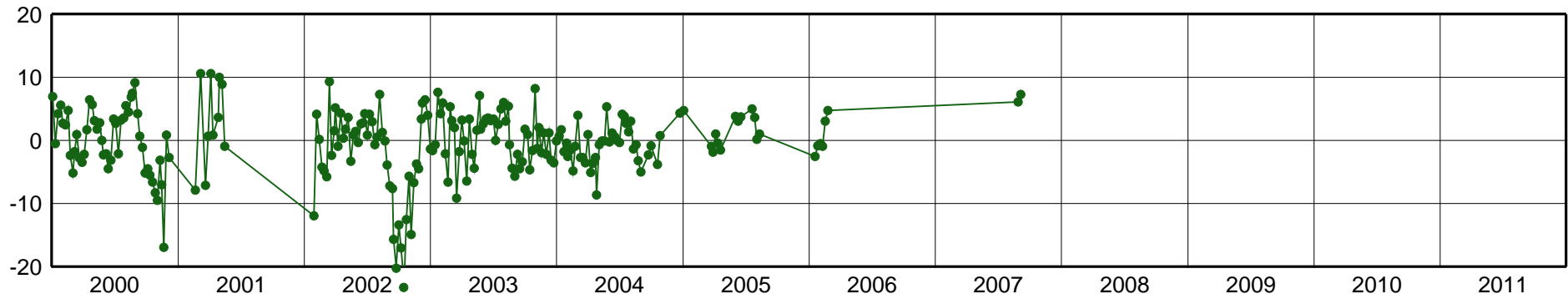


ASC1-North Component [mm]

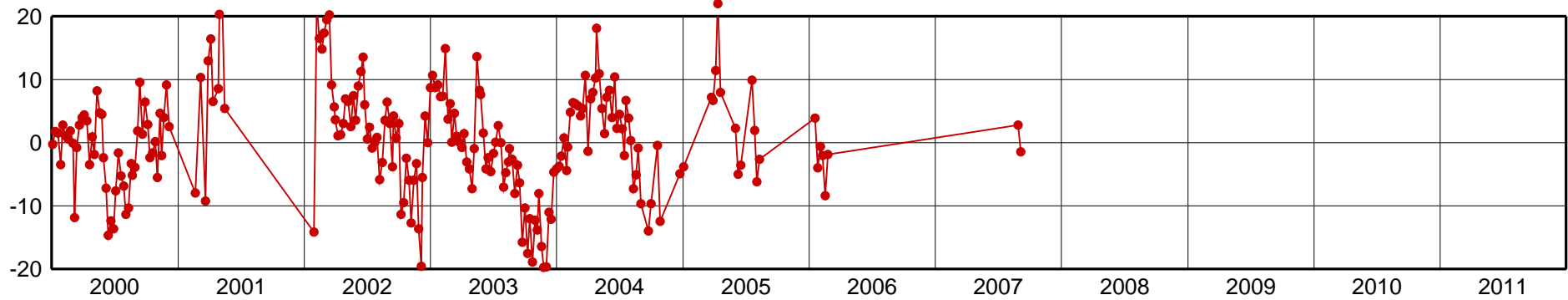
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ASC1-East Component [mm]

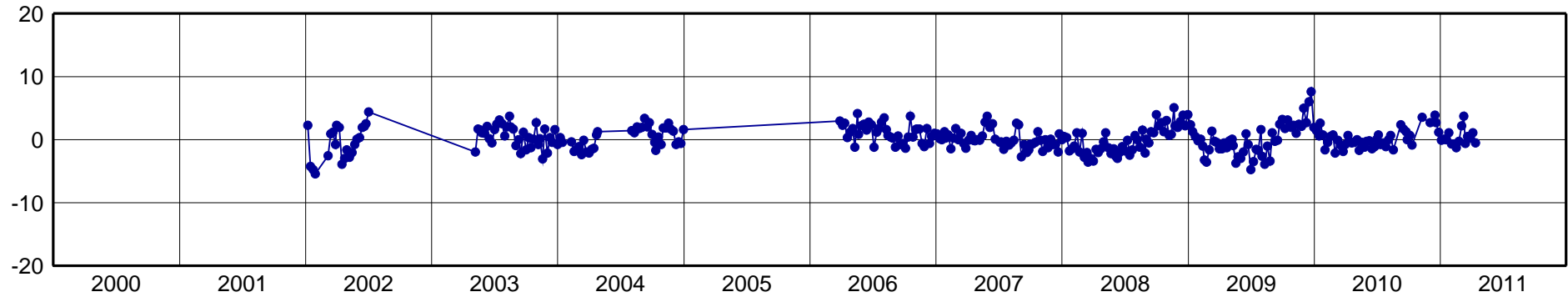


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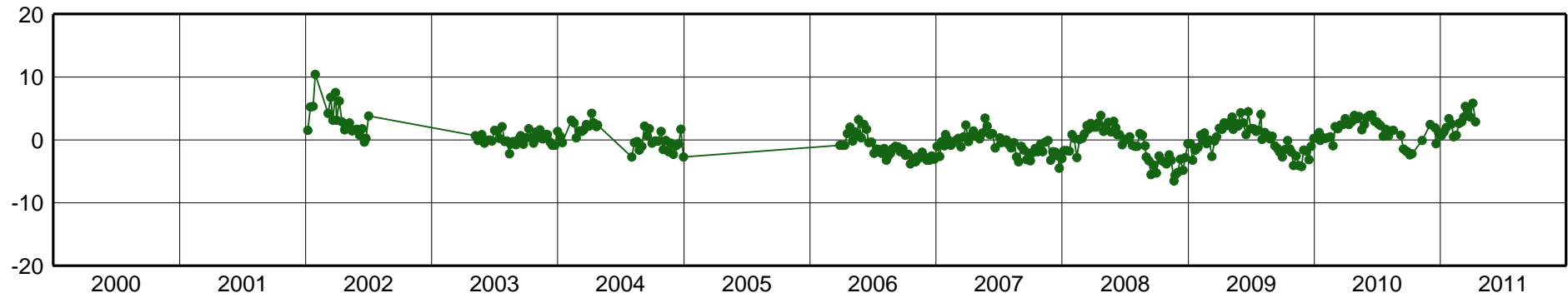


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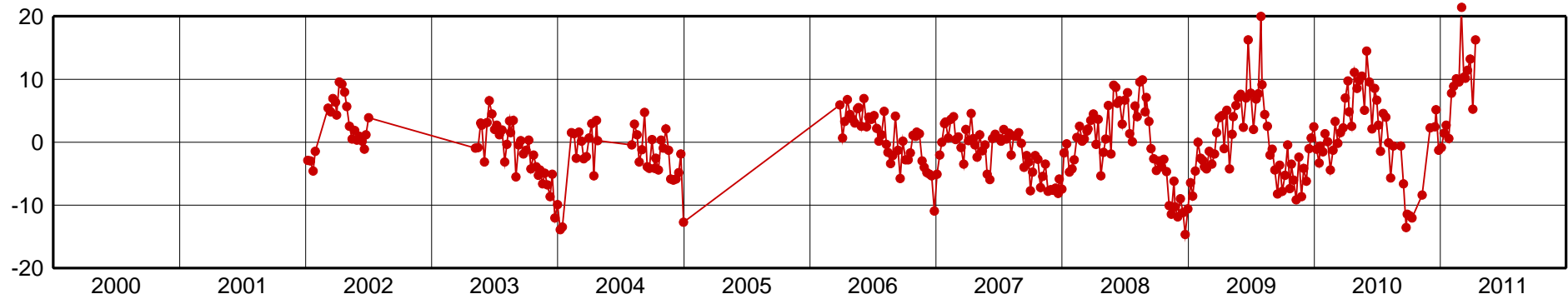
○ SIRGAS Analysis Centre at DGFI



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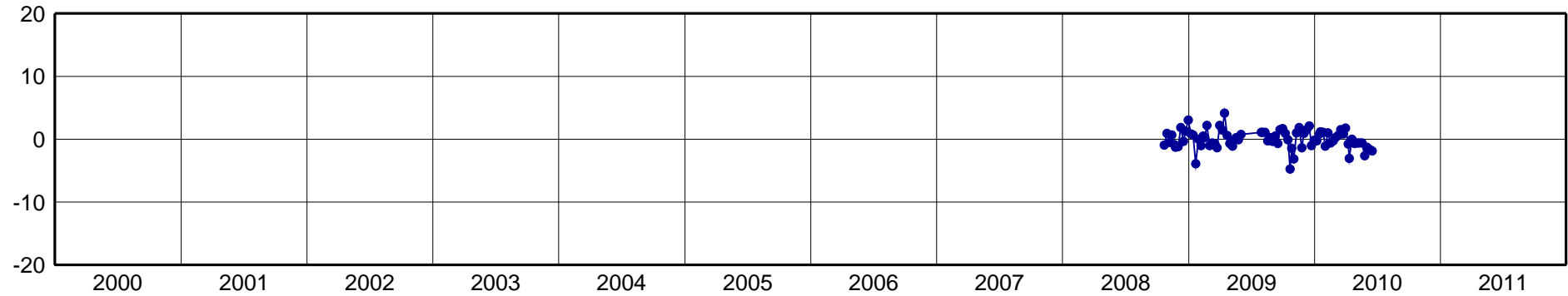
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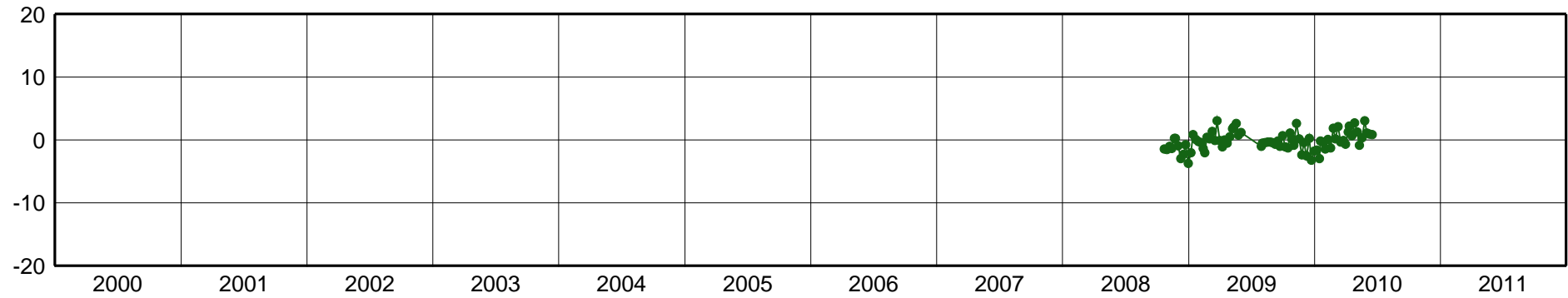


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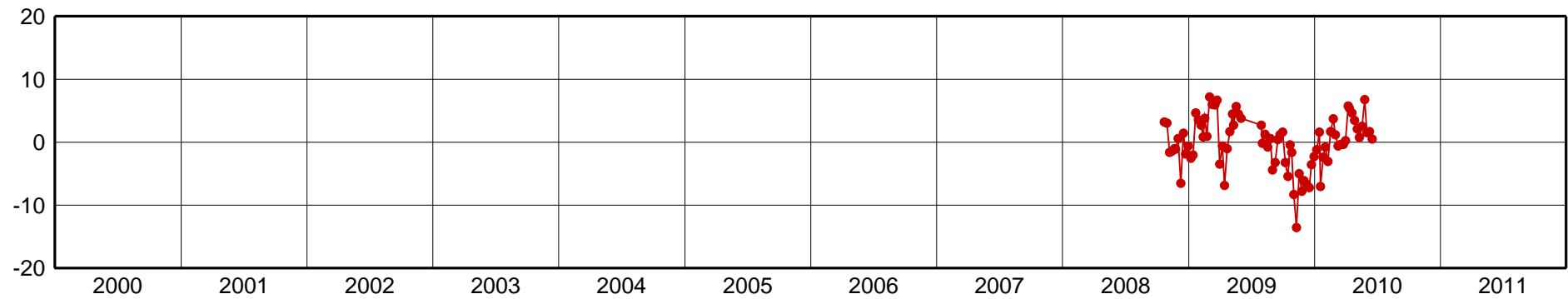
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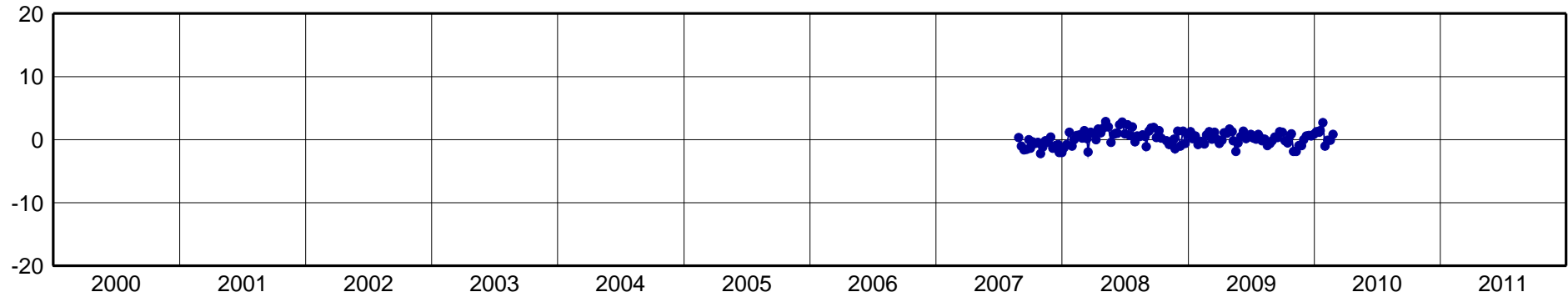


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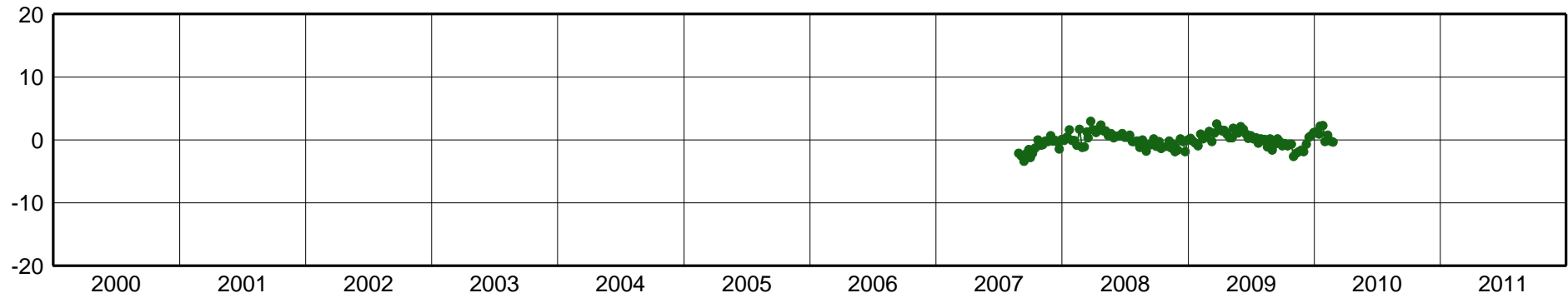


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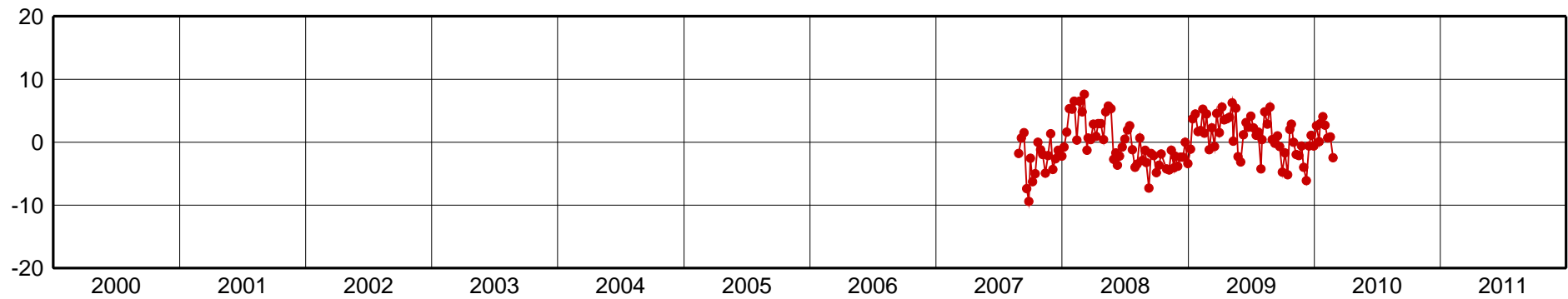
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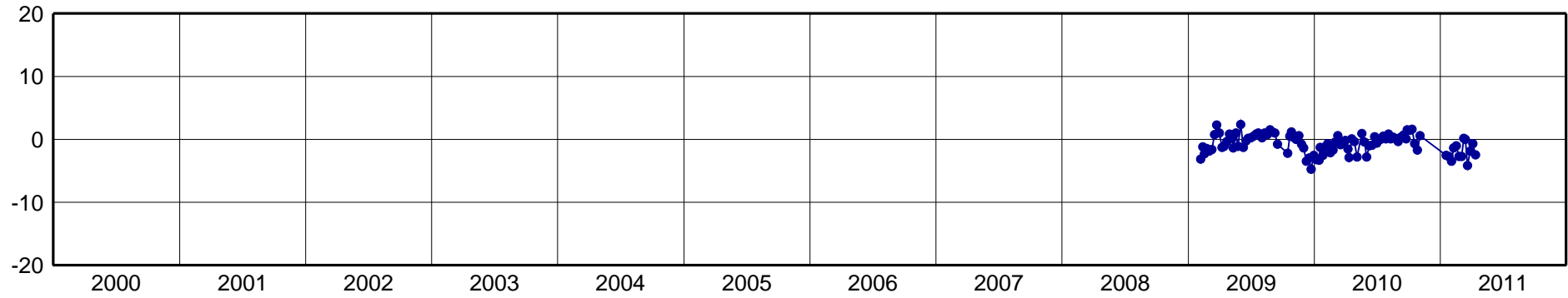


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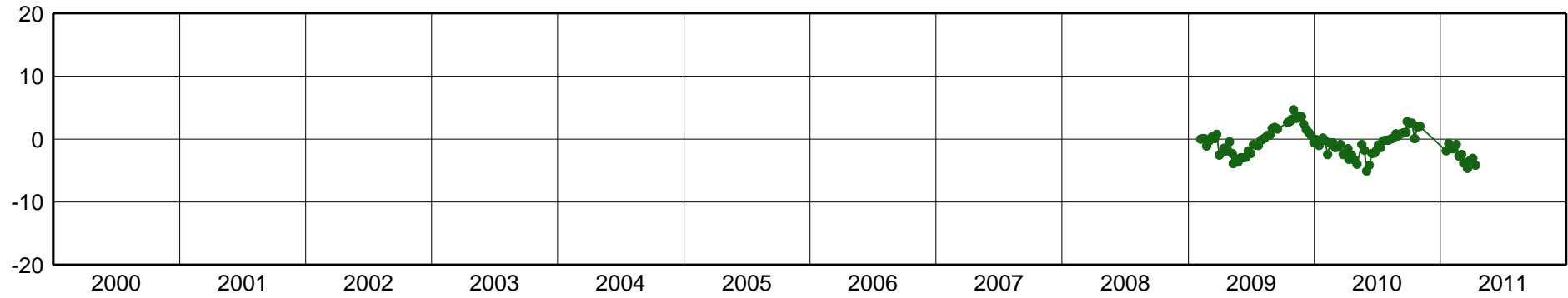


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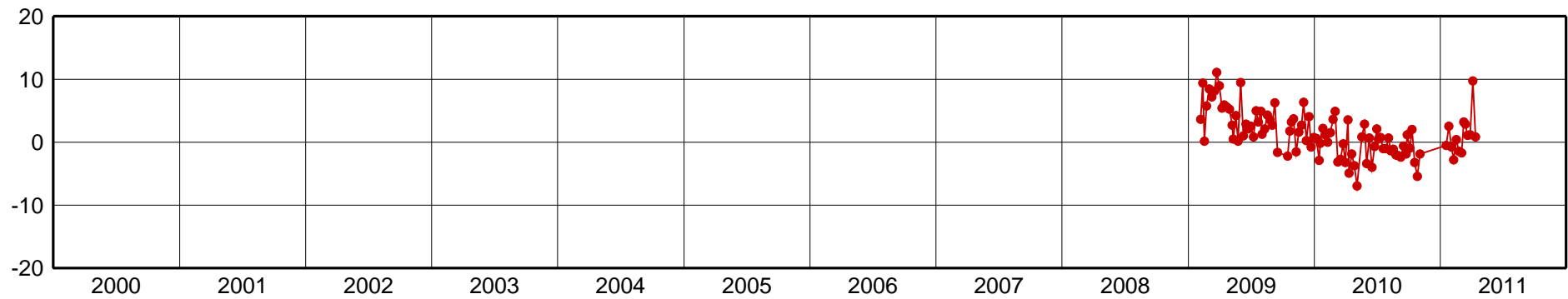
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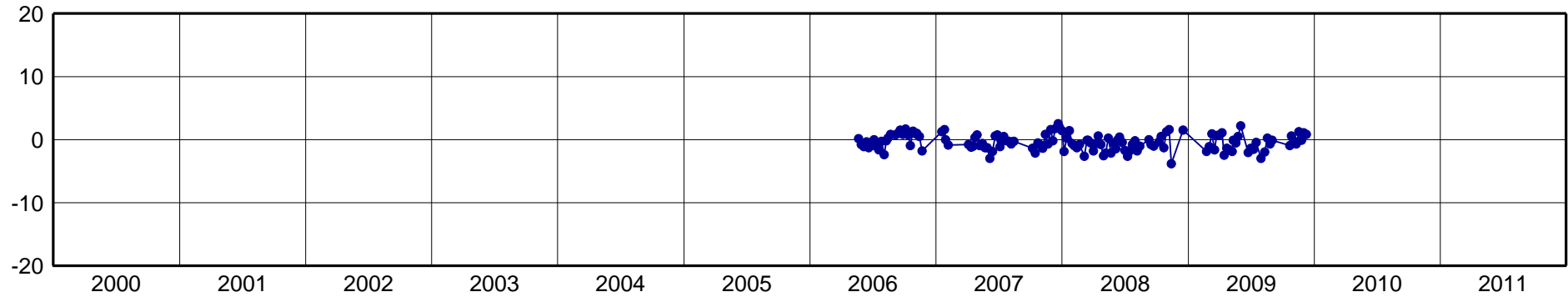


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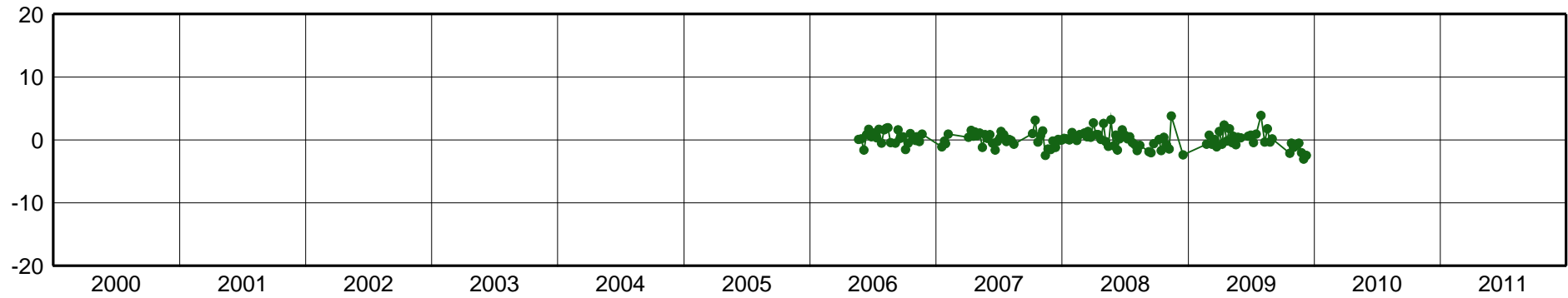


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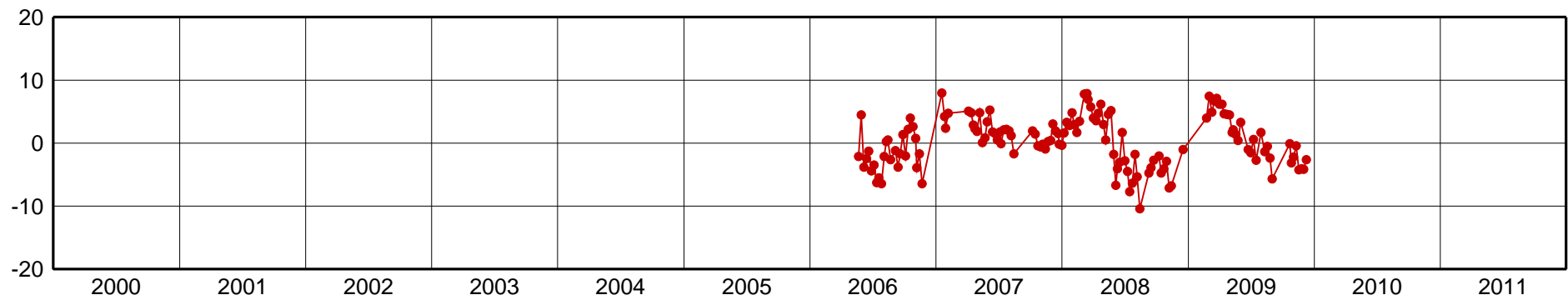
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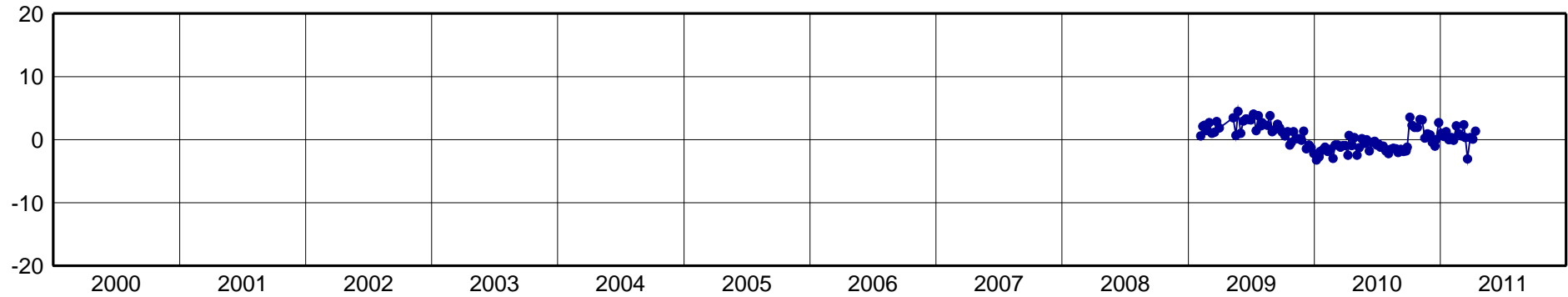


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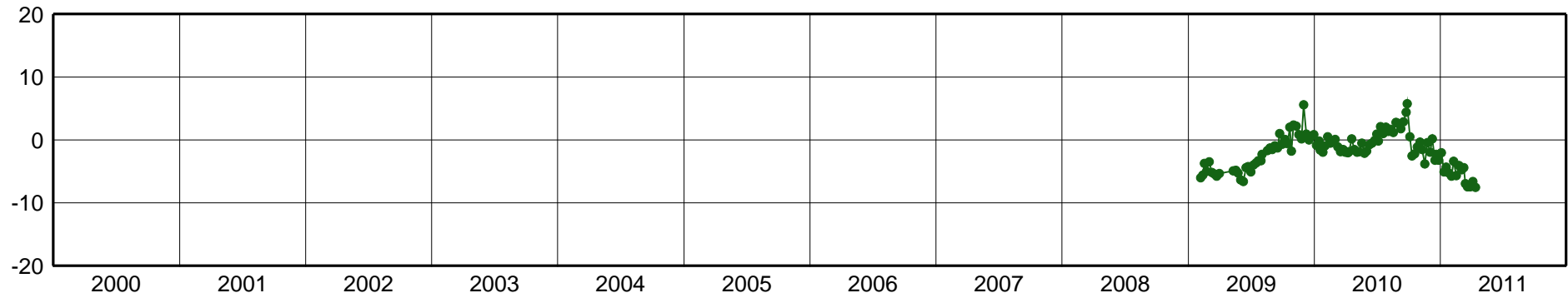


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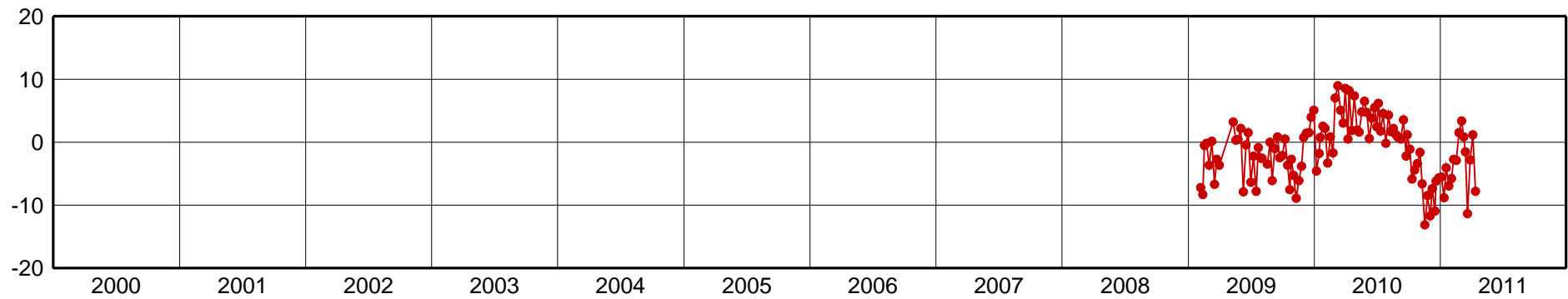
○ SIRGAS Analysis Centre at DGFI



BATF-East Component [mm]

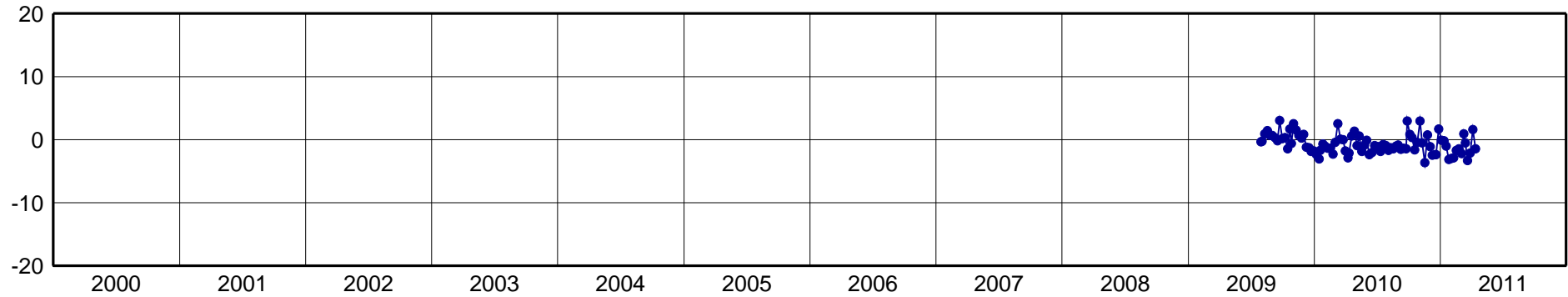


BATF-Up Component [mm]

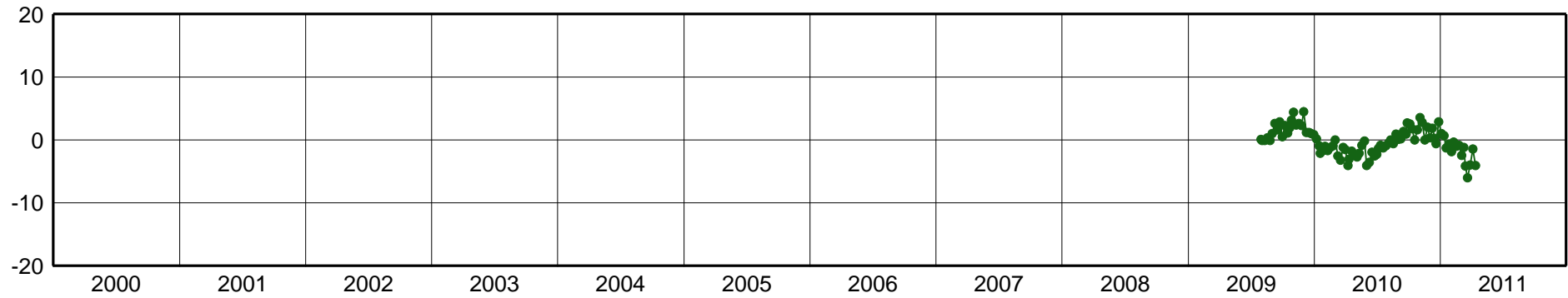


BAVC-North Component [mm]

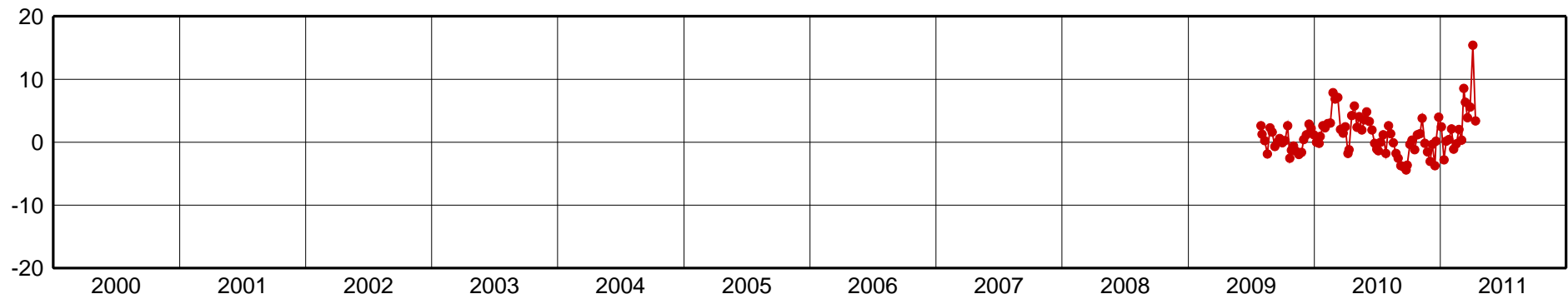
○ SIRGAS Analysis Centre at DGFI



BAVC-East Component [mm]

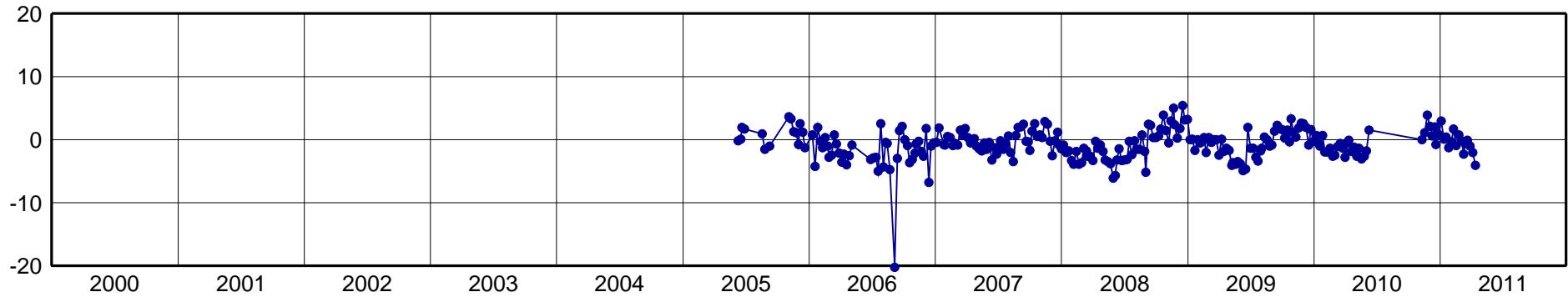


BAVC-Up Component [mm]

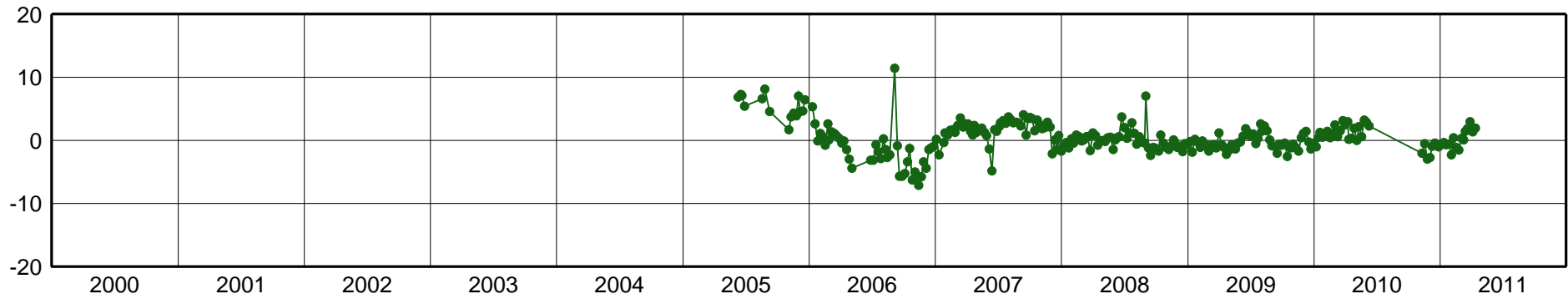


BDOS-North Component [mm]

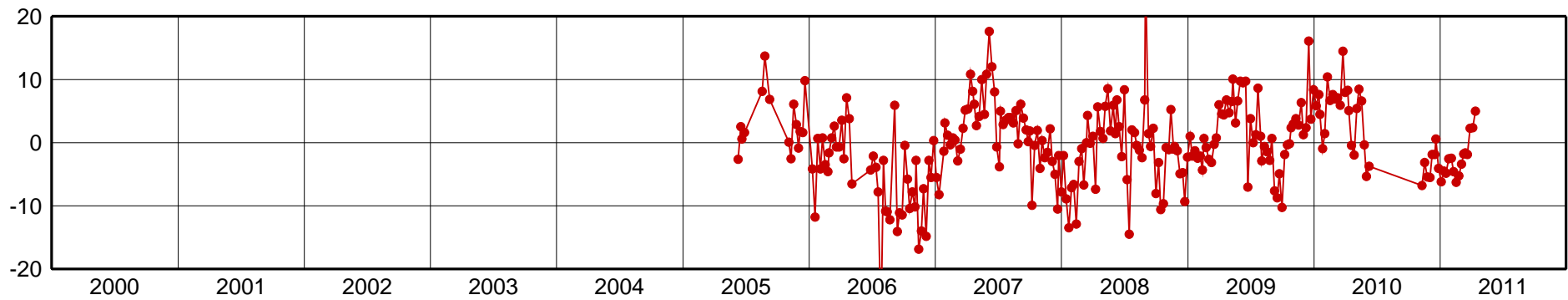
○ SIRGAS Analysis Centre at DGFI



BDOS-East Component [mm]

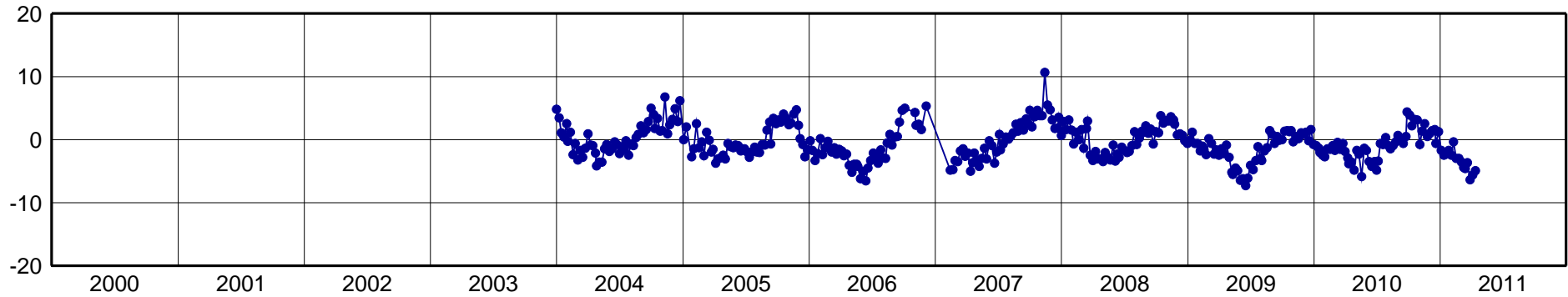


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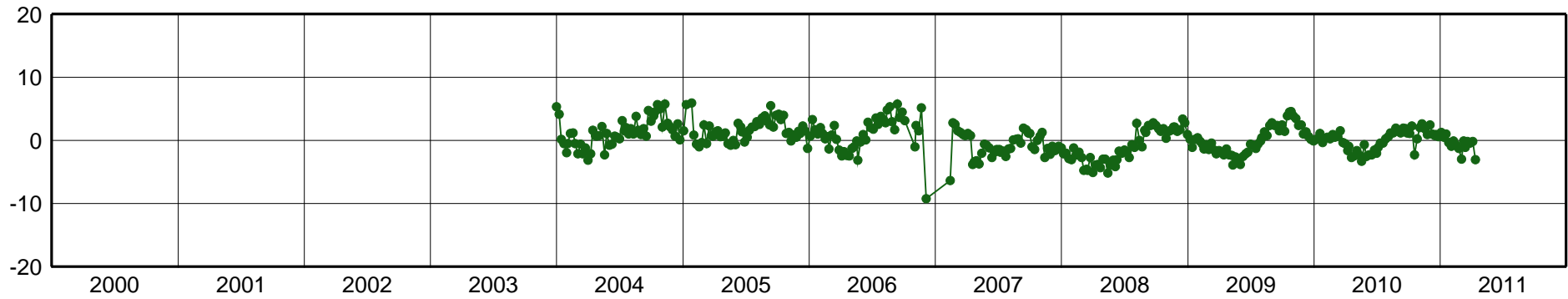


BELE-North Component [mm]

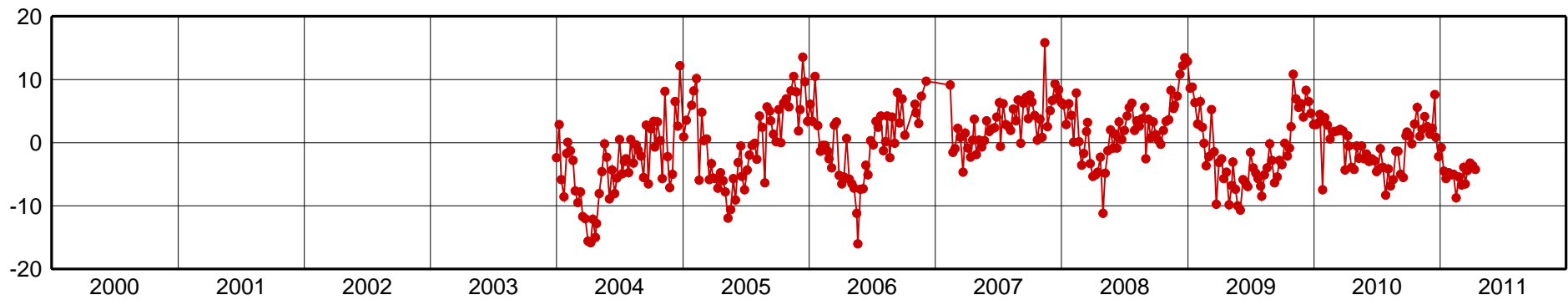
○ SIRGAS Analysis Centre at DGFI



BELE-East Component [mm]



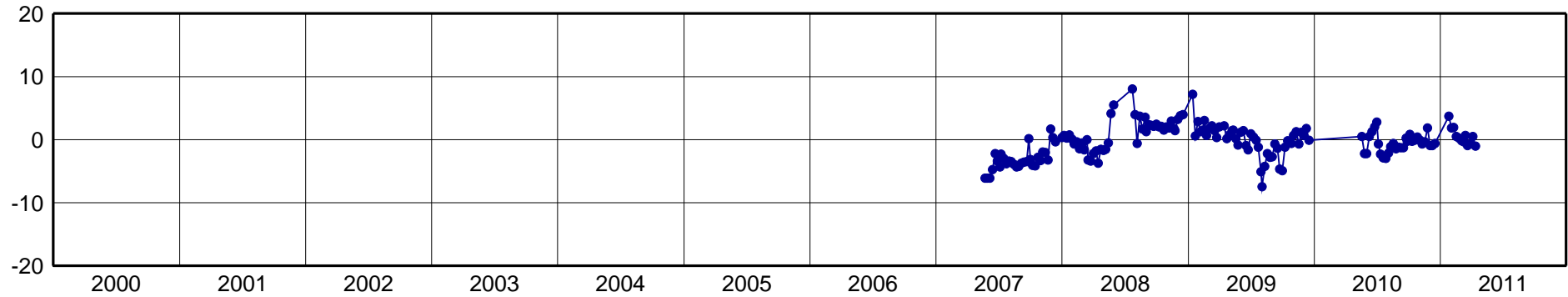
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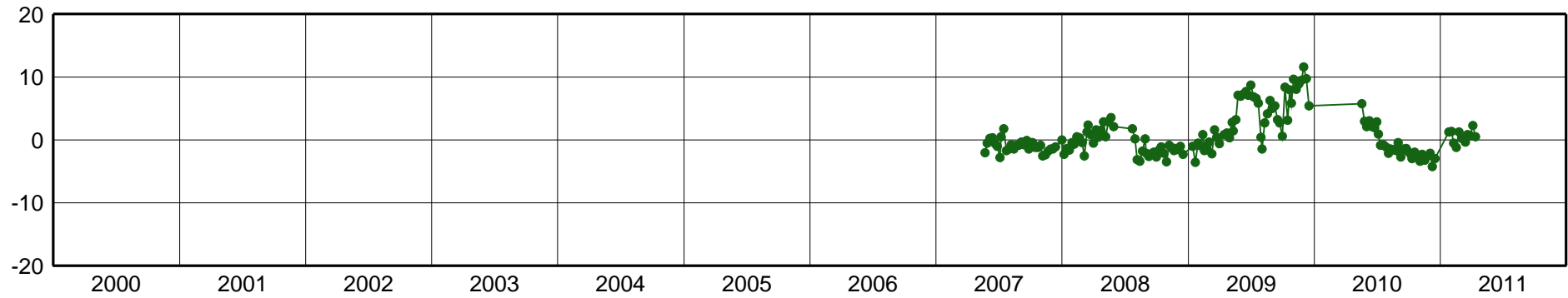


BERR-North Component [mm]

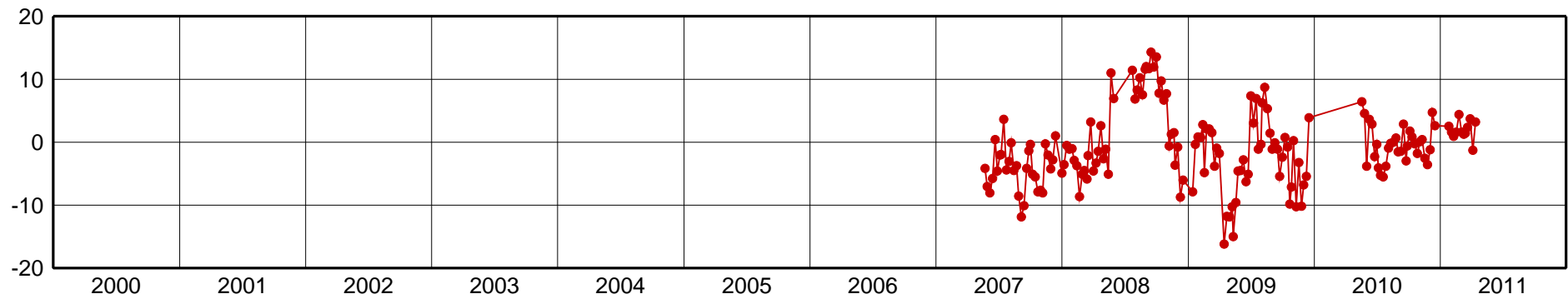
○ SIRGAS Analysis Centre at DGFI



BERR-East Component [mm]

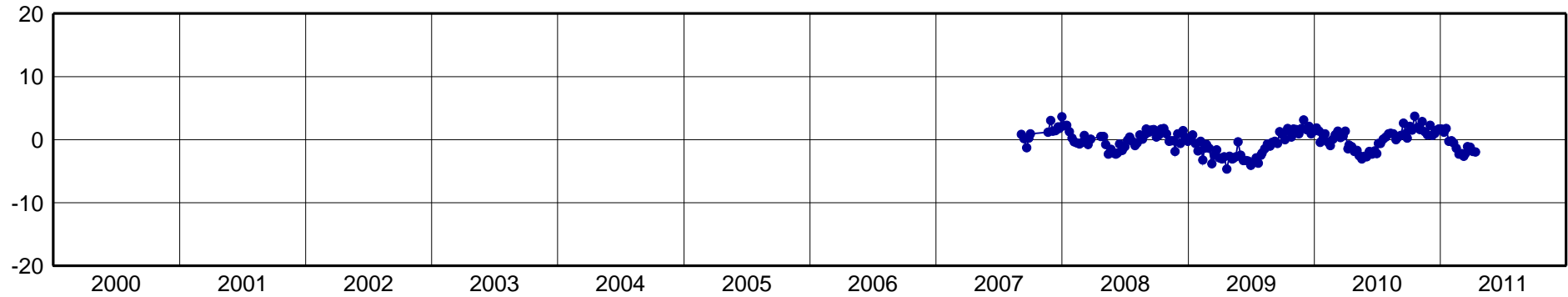


BERR-Up Component [mm]

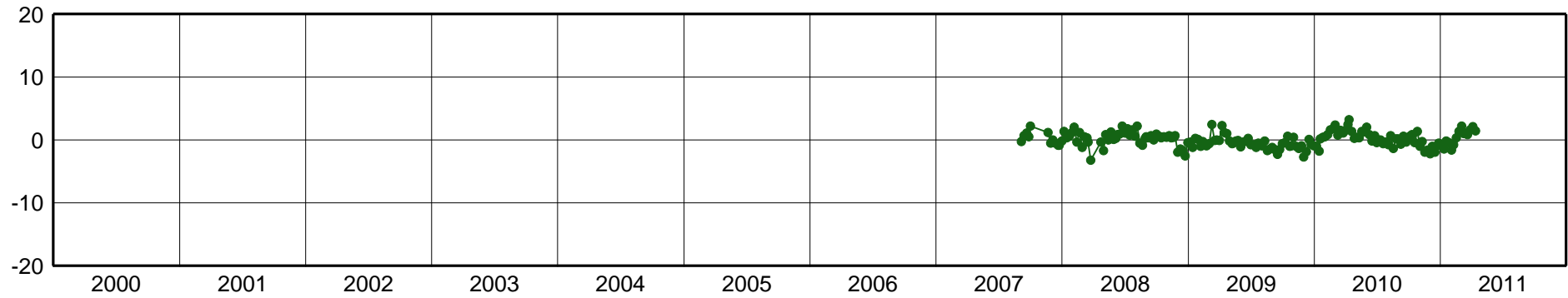


BOAV-North Component [mm]

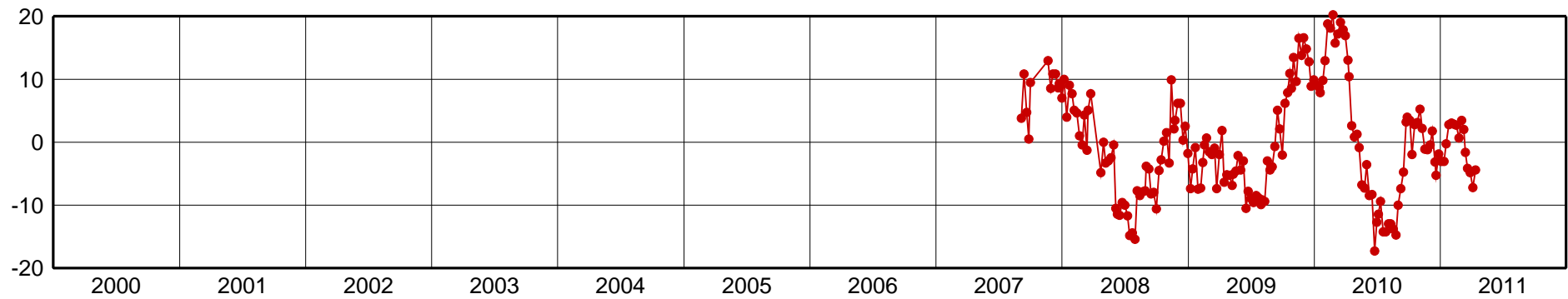
○ SIRGAS Analysis Centre at DGFI



BOAV-East Component [mm]

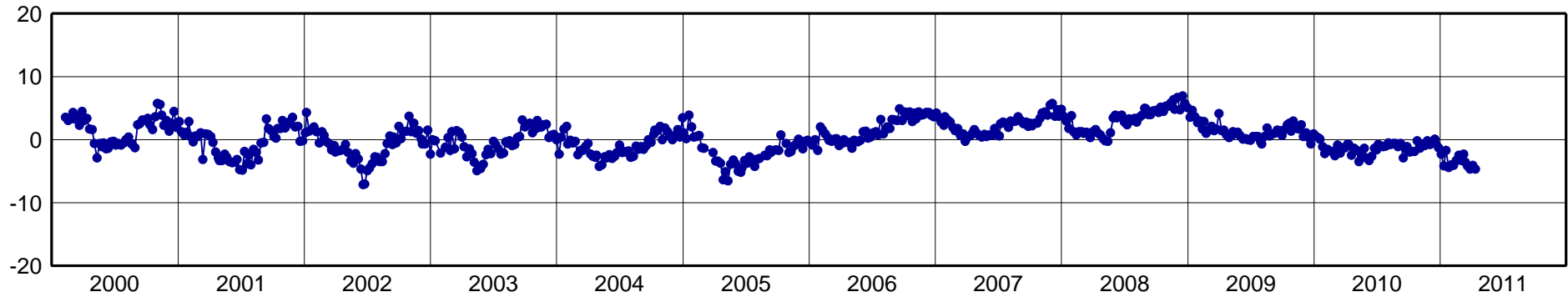


BOAV-Up Component [mm]

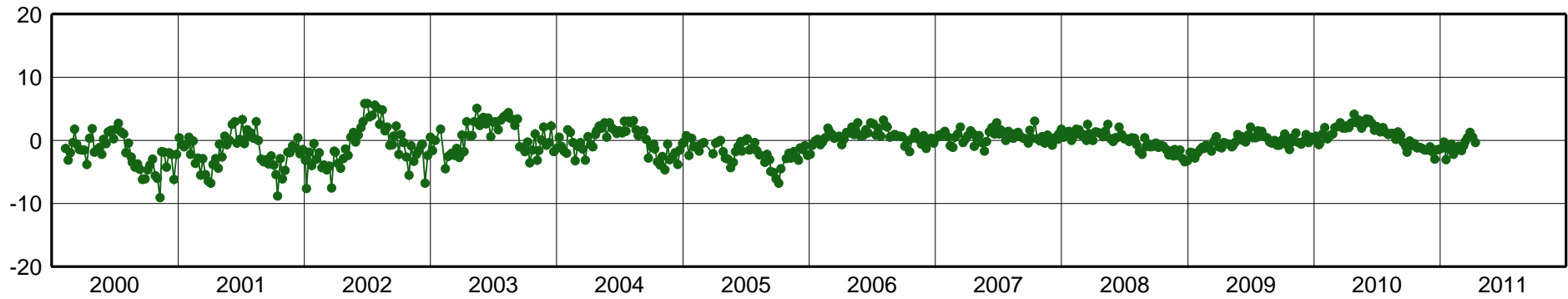


BOGA-North Component [mm]

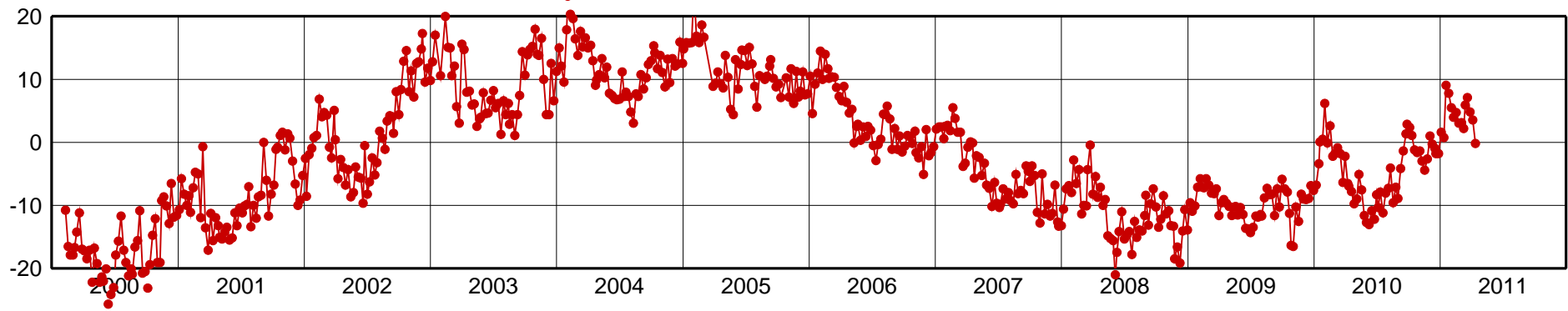
○ SIRGAS Analysis Centre at DGFI



BOGA-East Component [mm]

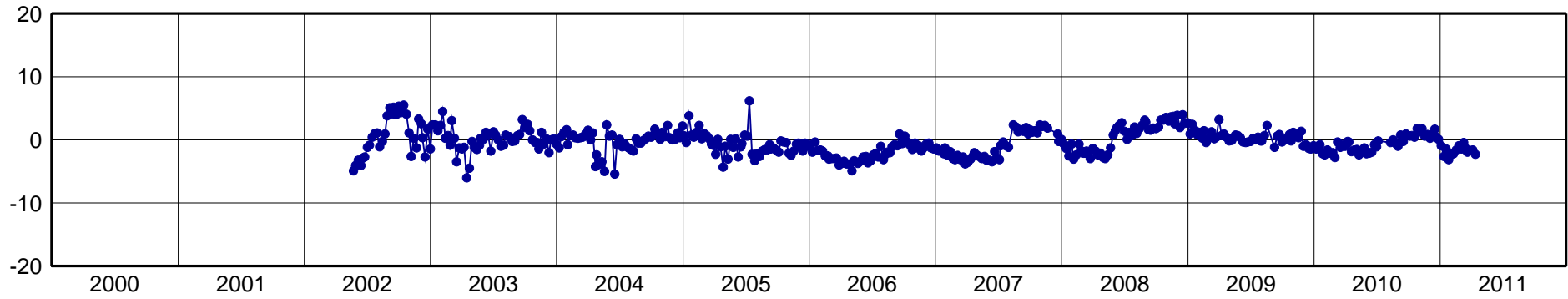


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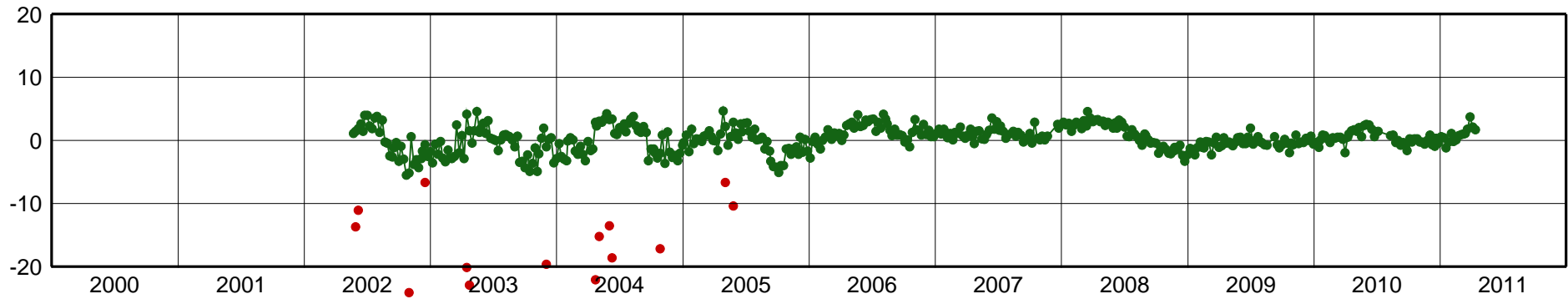


BOGT-North Component [mm]

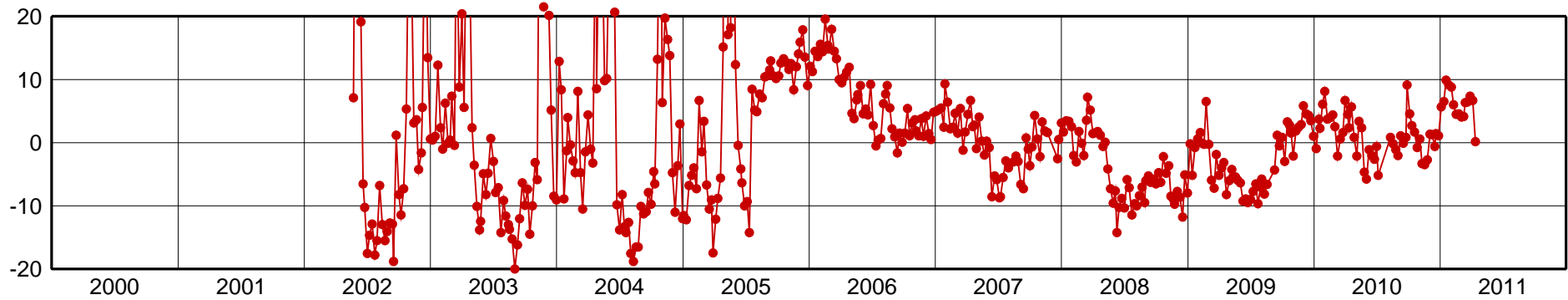
○ SIRGAS Analysis Centre at DGFI



BOGT-East Component [mm]

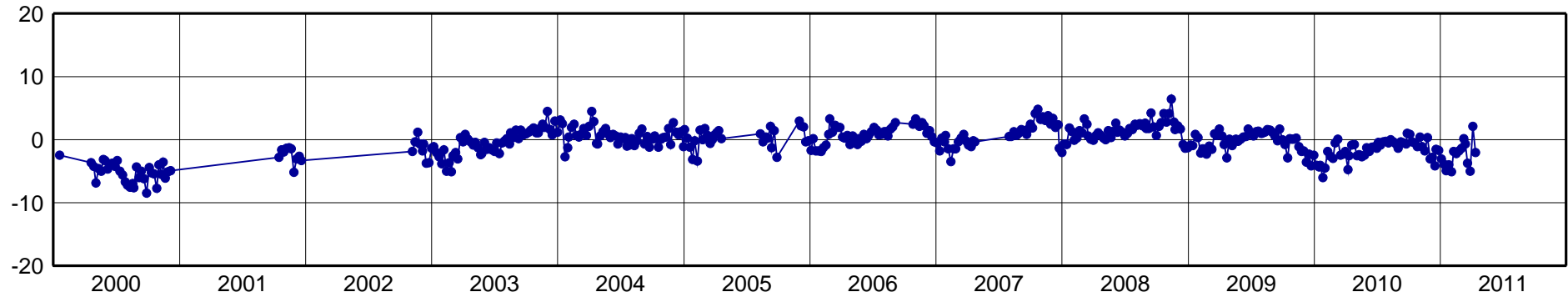


BOGT-Up Component [mm]

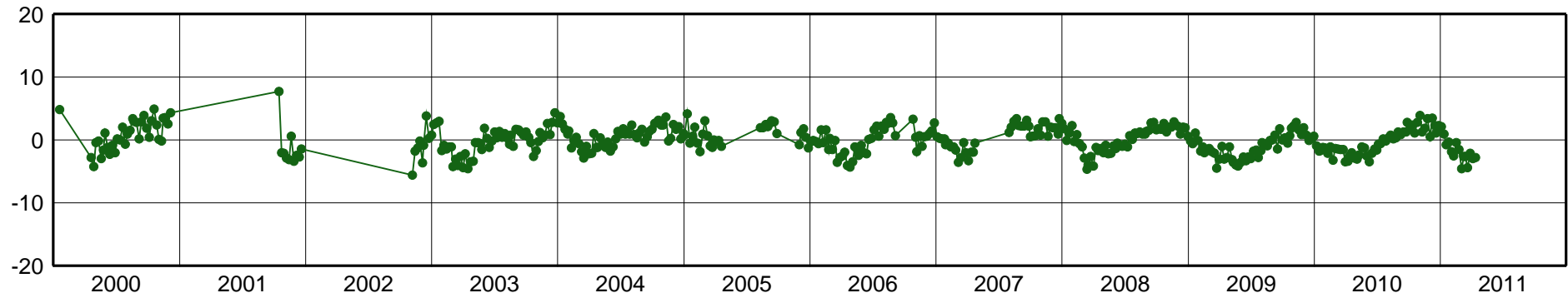


BOMJ-North Component [mm]

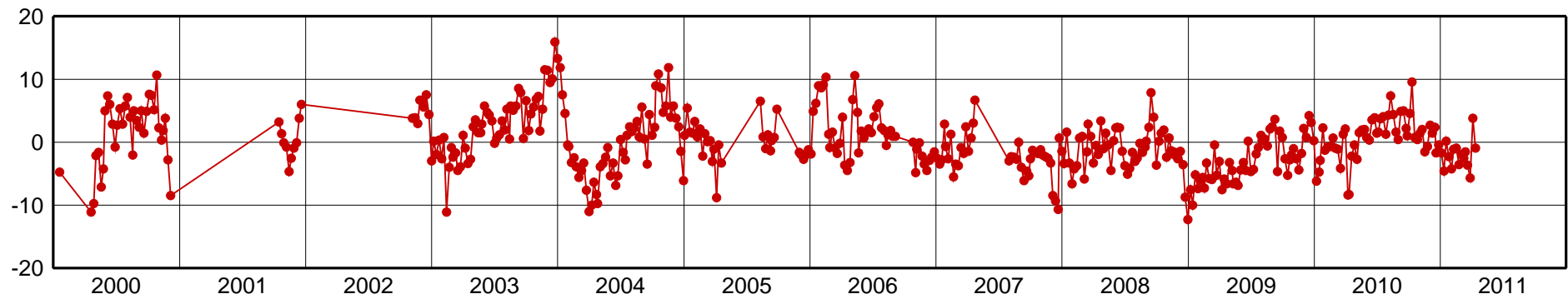
○ SIRGAS Analysis Centre at DGFI



BOMJ-East Component [mm]

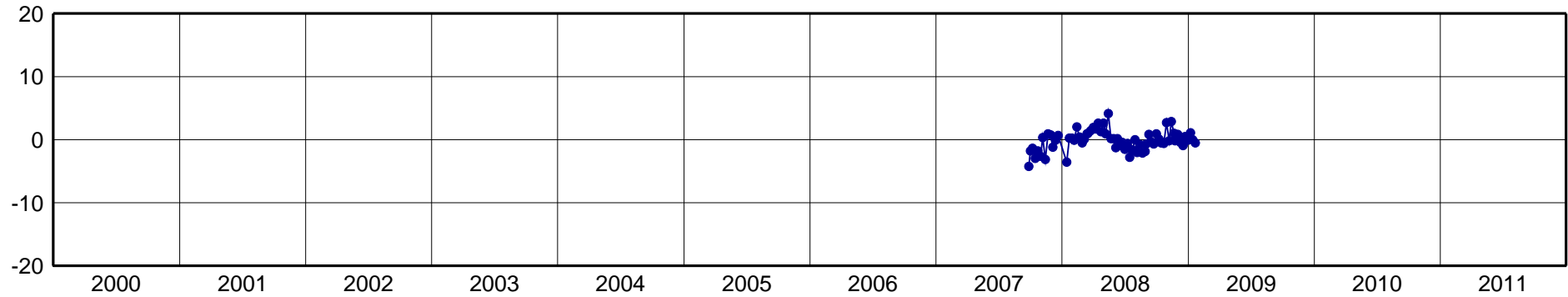


BOMJ-Up Component [mm]

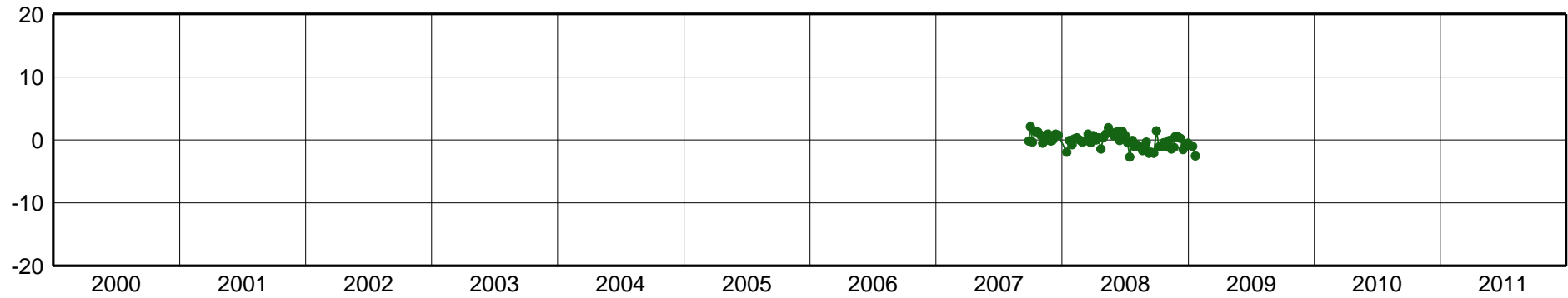


BQLA-North Component [mm]

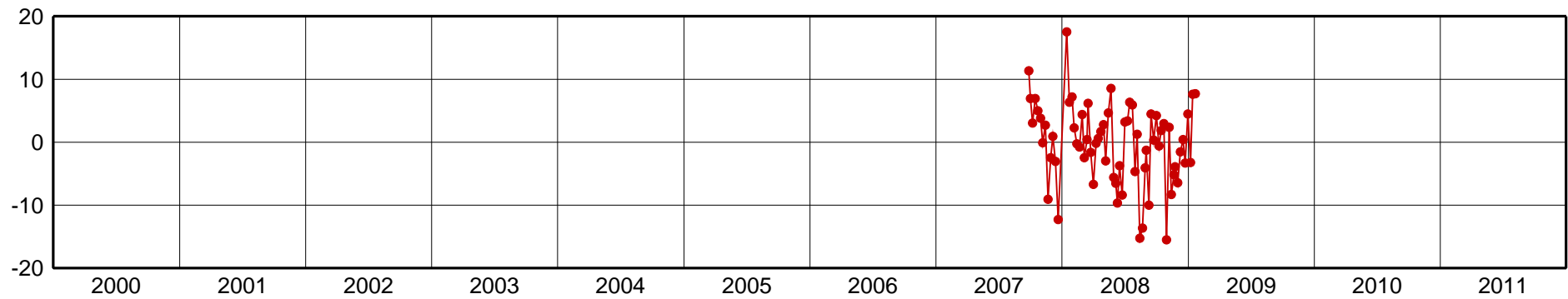
○ SIRGAS Analysis Centre at DGFI



BQLA-East Component [mm]

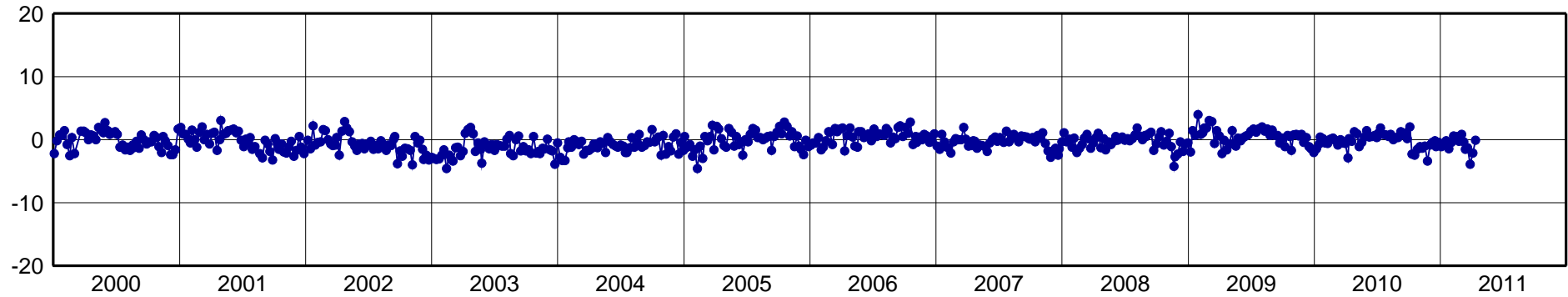


BQLA-Up Component [mm]

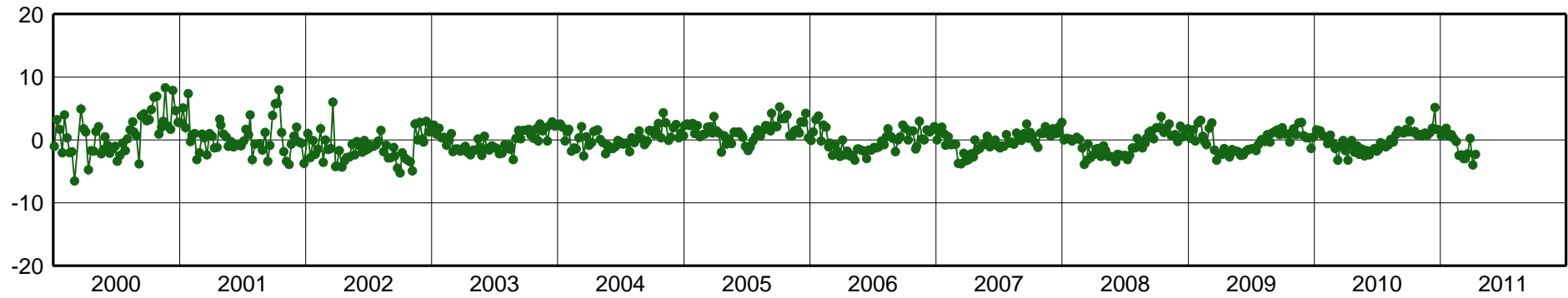


BRAZ-North Component [mm]

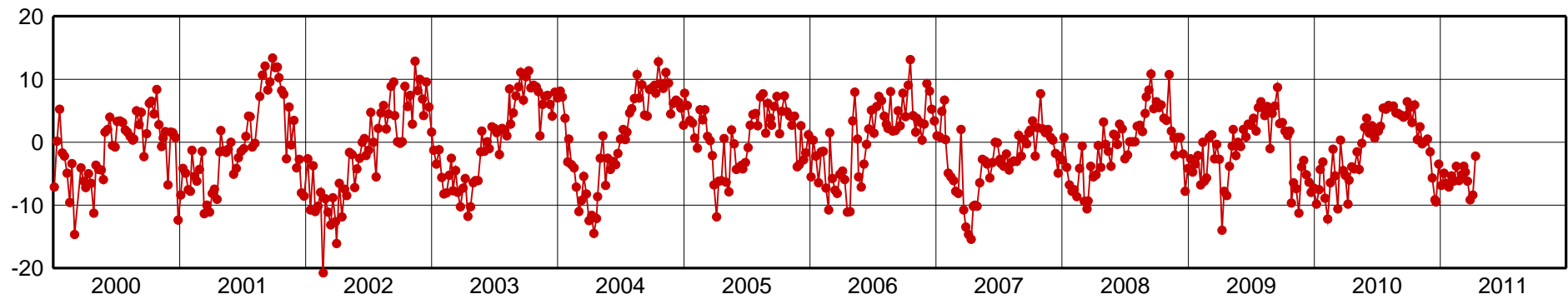
○ SIRGAS Analysis Centre at DGFI



BRAZ-East Component [mm]

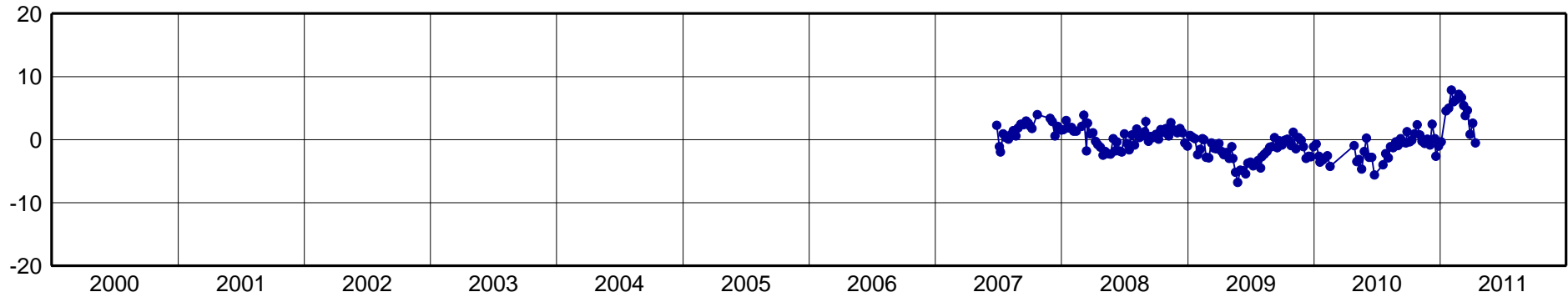


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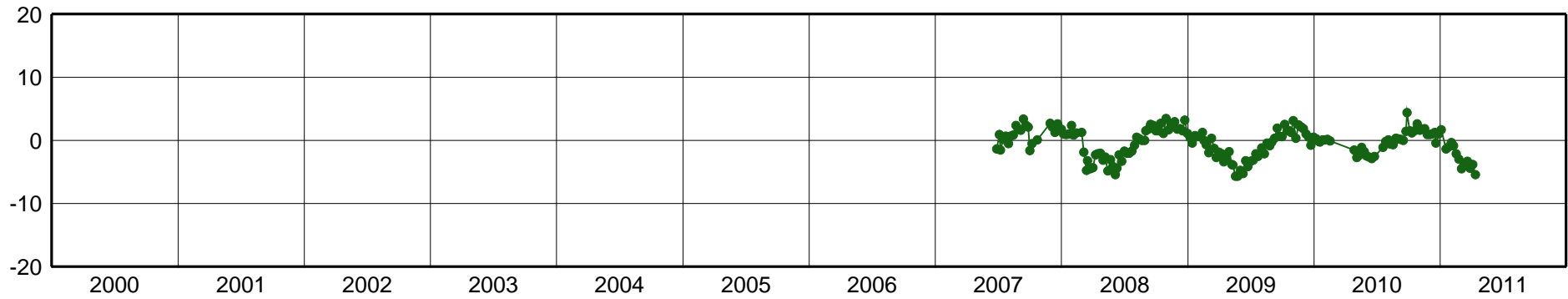


BRFT-North Component [mm]

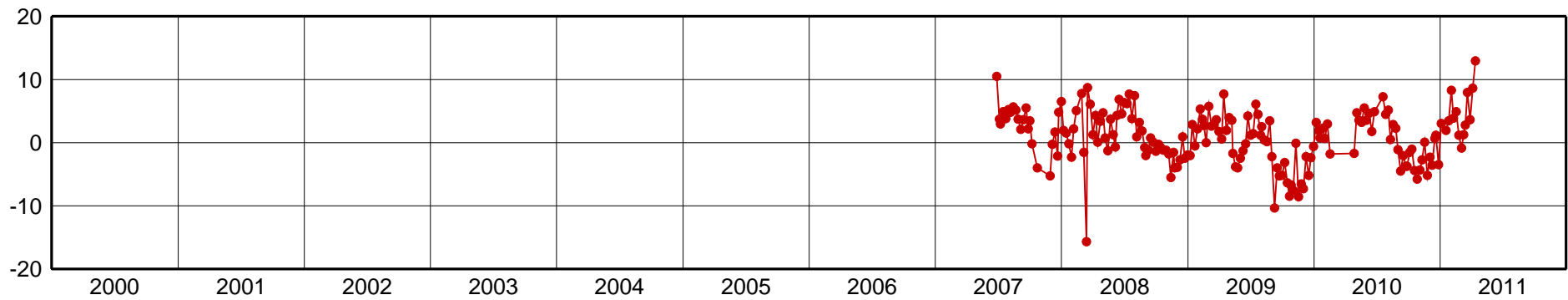
○ SIRGAS Analysis Centre at DGFI



BRFT-East Component [mm]



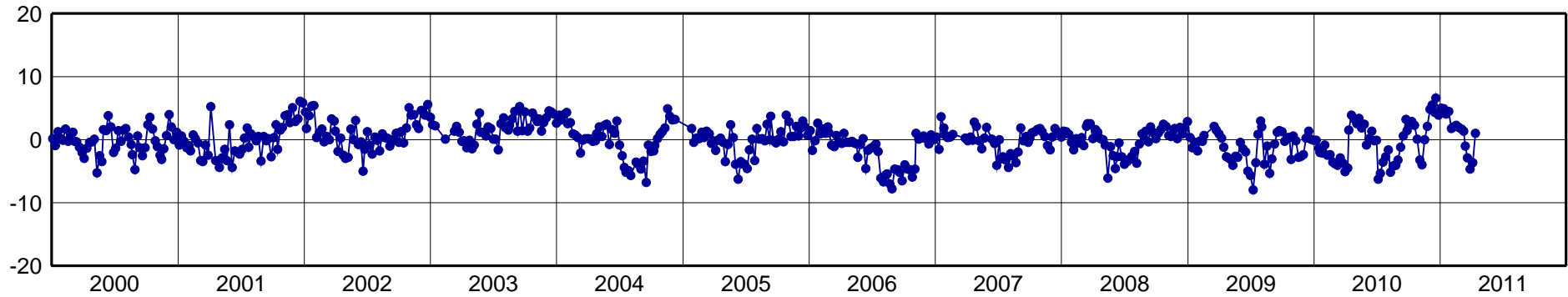
BRFT-Up Component [mm]



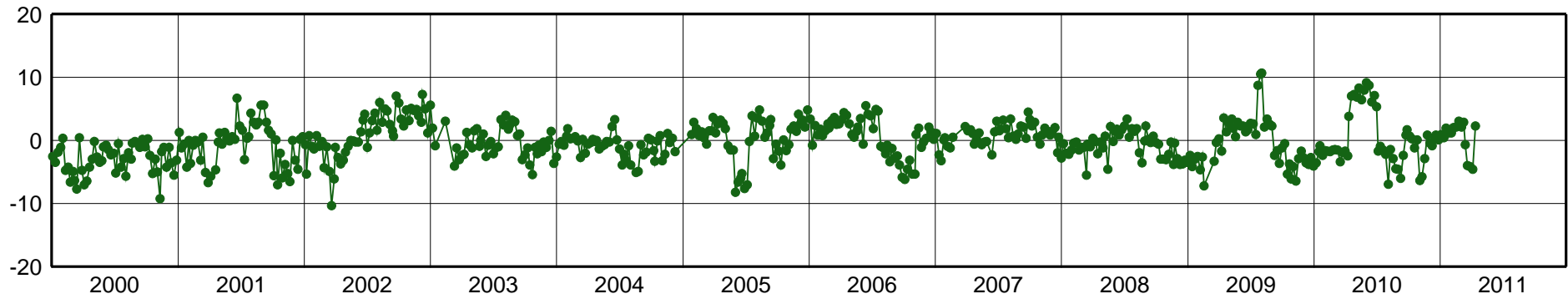


BRMU-North Component [mm]

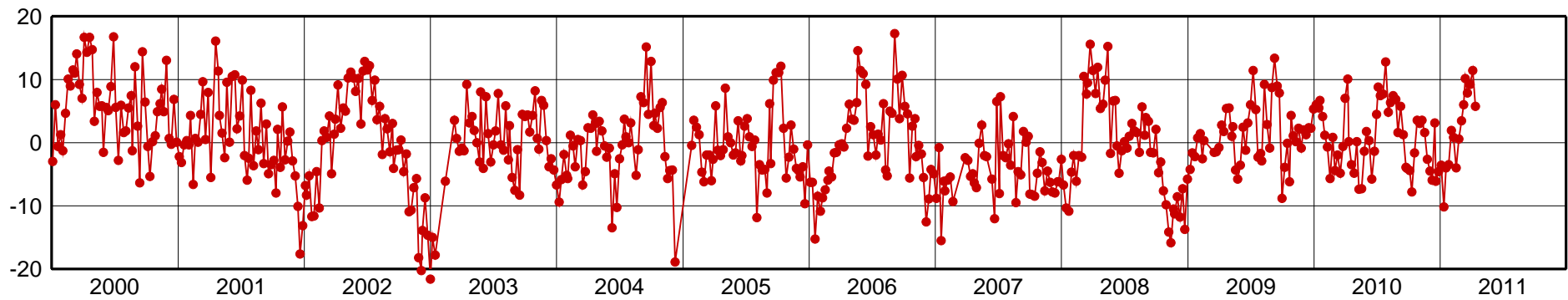
○ SIRGAS Analysis Centre at DGFI



BRMU-East Component [mm]

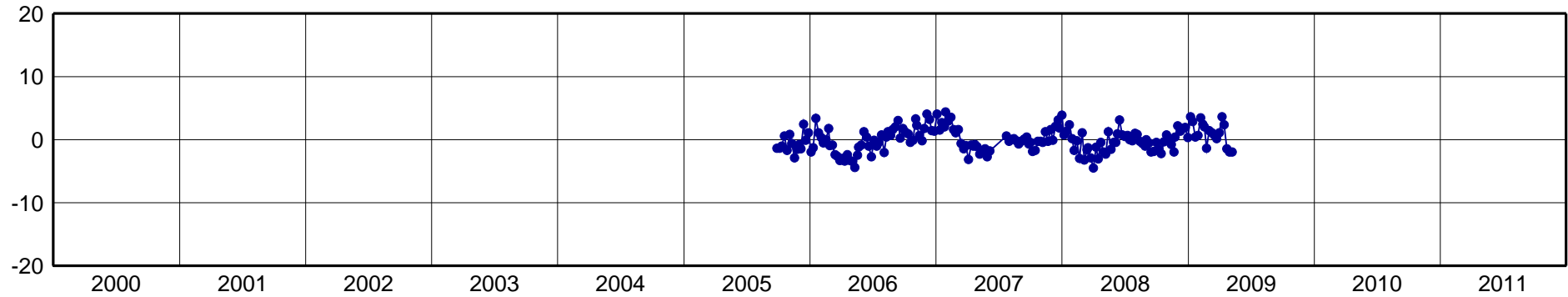


BRMU-Up Component [mm]

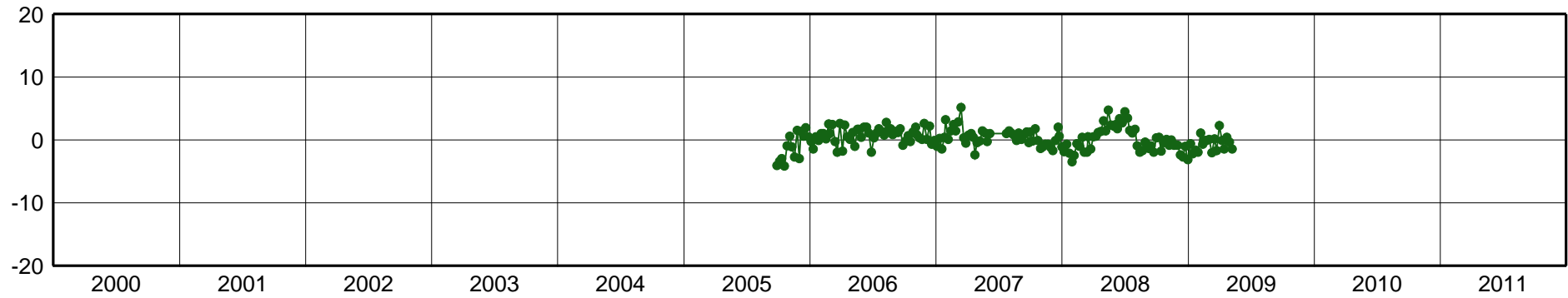


BUCA-North Component [mm]

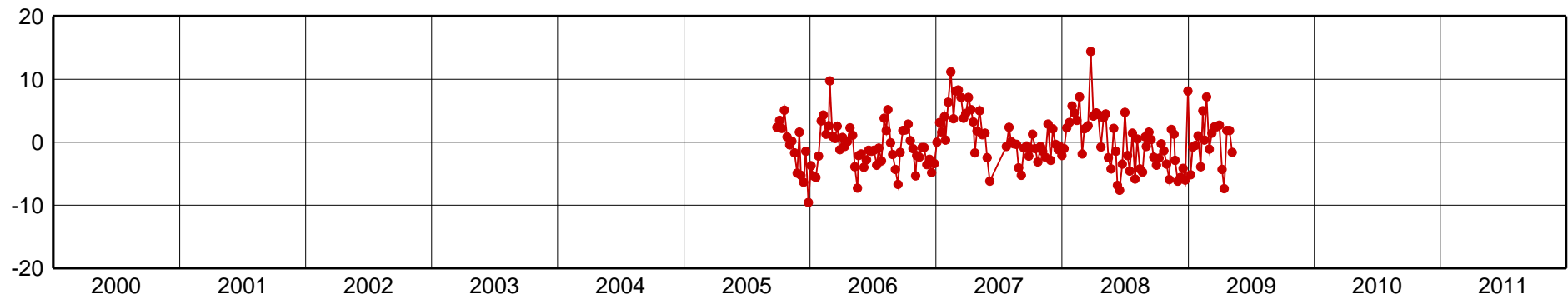
○ SIRGAS Analysis Centre at DGFI



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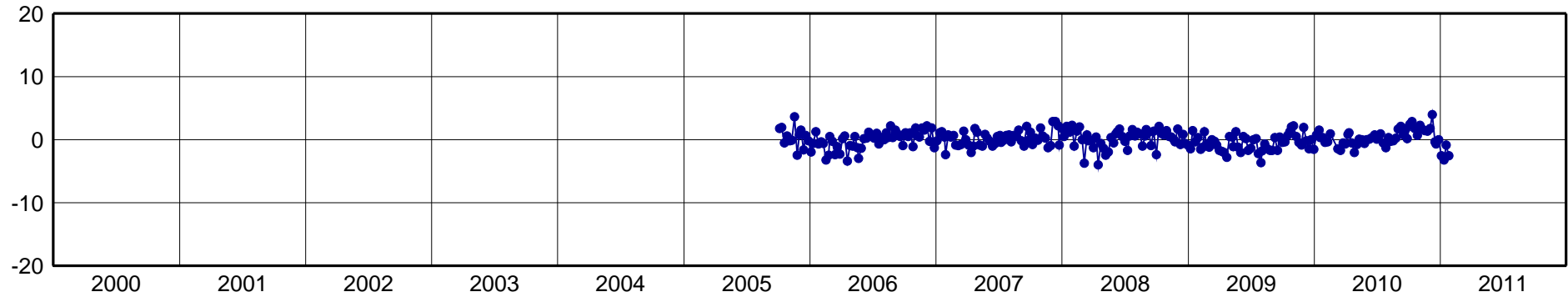


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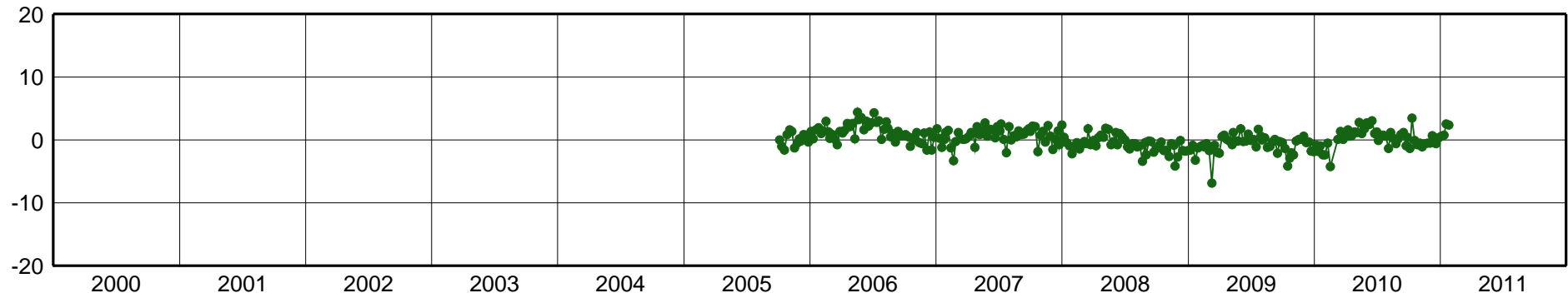


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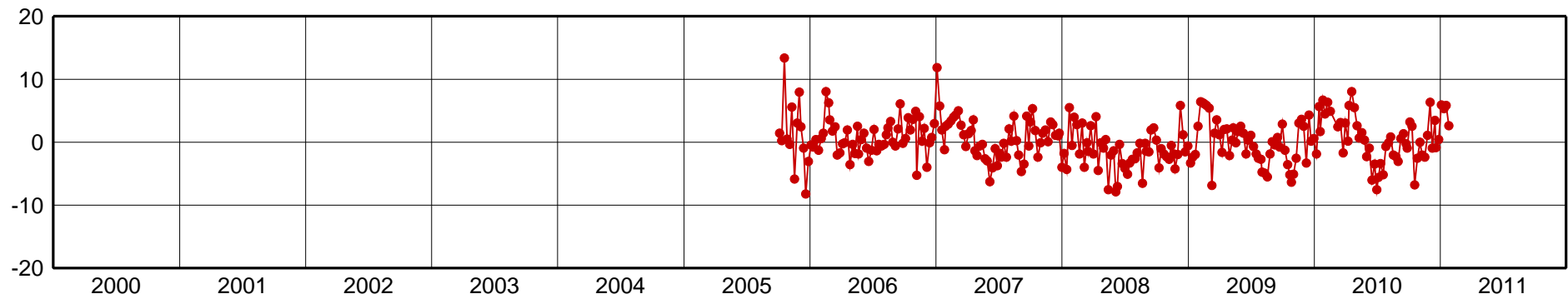
○ SIRGAS Analysis Centre at DGFI



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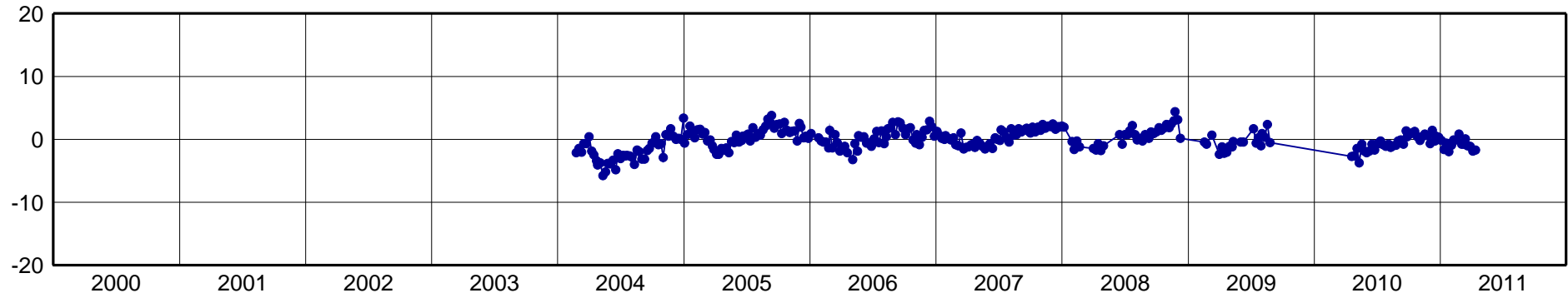


BUEN-Up Component [mm]

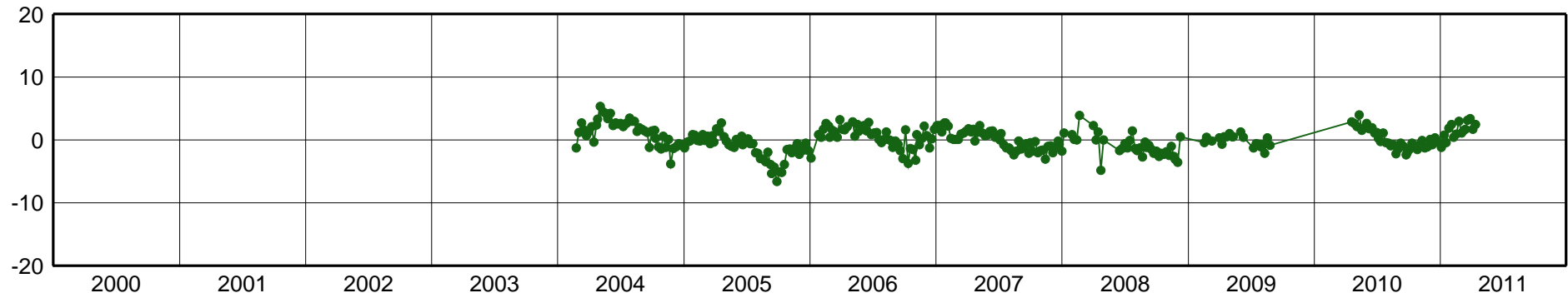


CALI-North Component [mm]

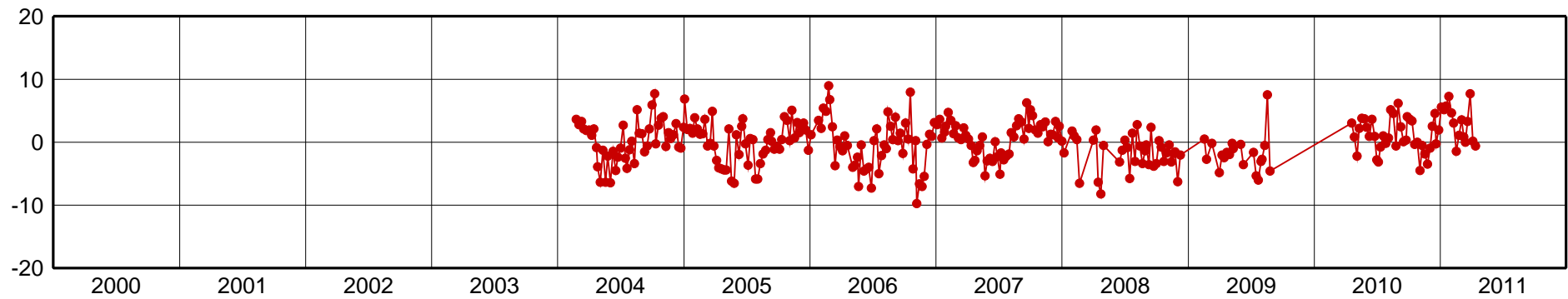
○ SIRGAS Analysis Centre at DGFI



CALI-East Component [mm]

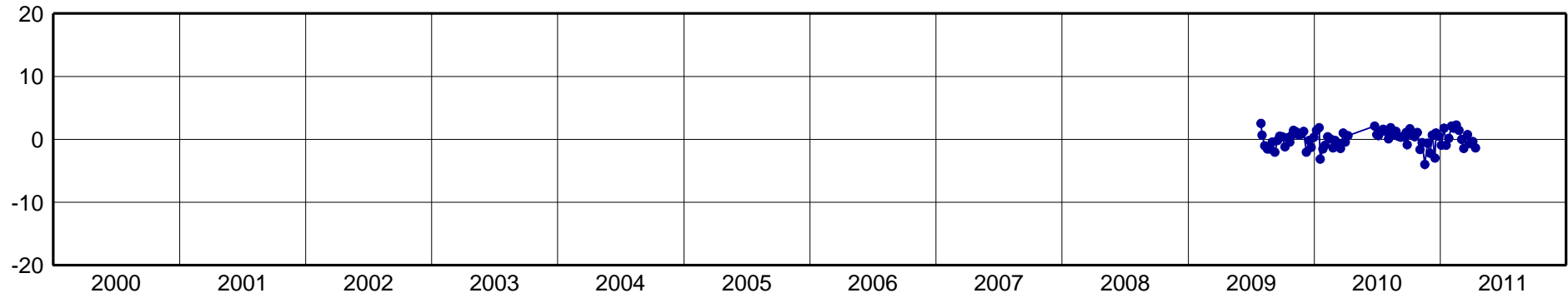


CALI-Up Component [mm]

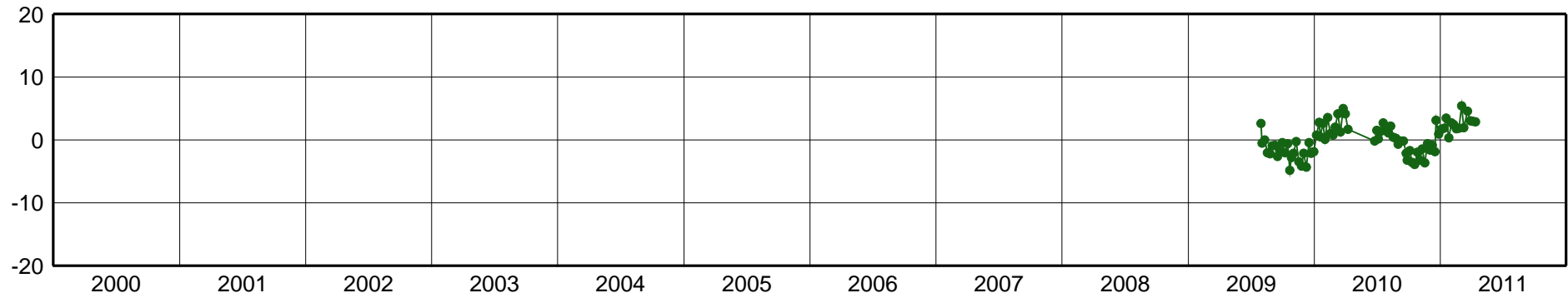


CALL-North Component [mm]

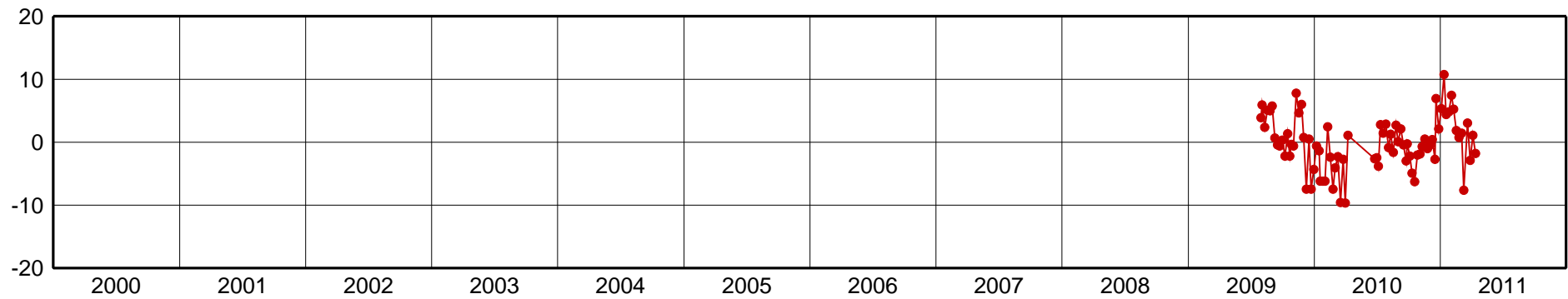
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CALL-East Component [mm]

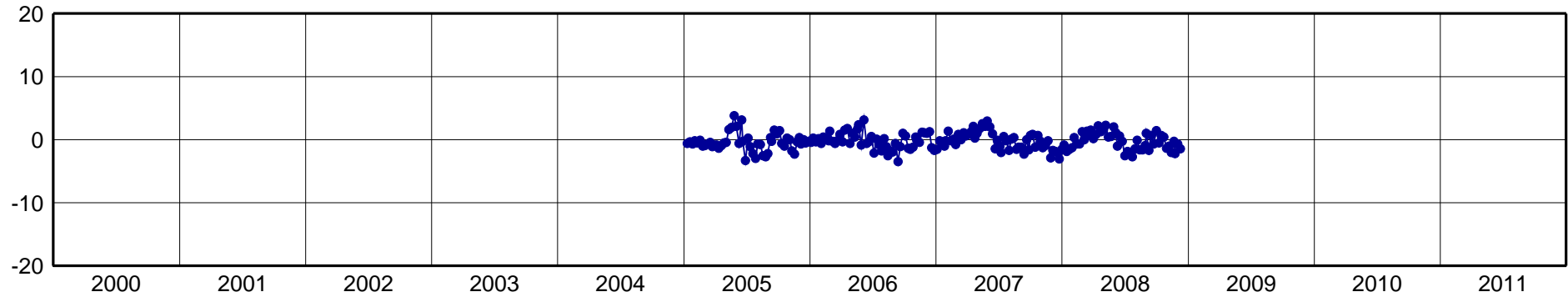


CALL-Up Component [mm]

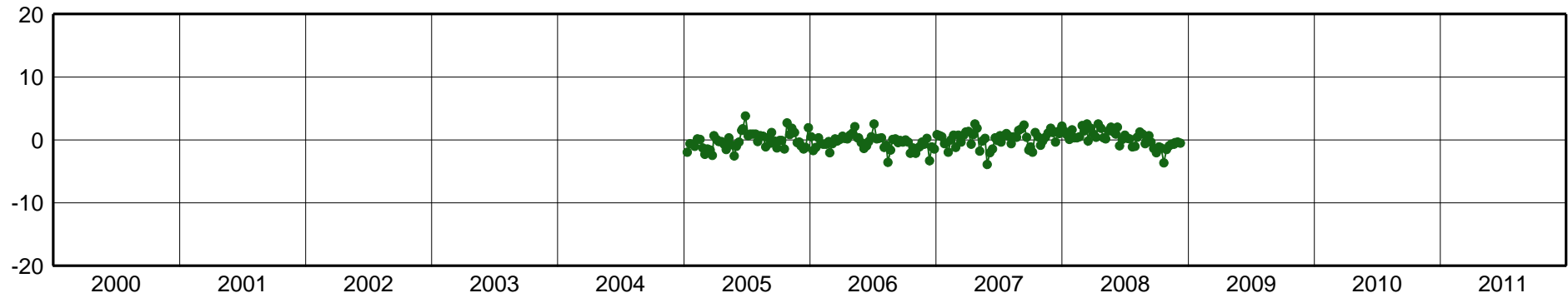


CAM2-North Component [mm]

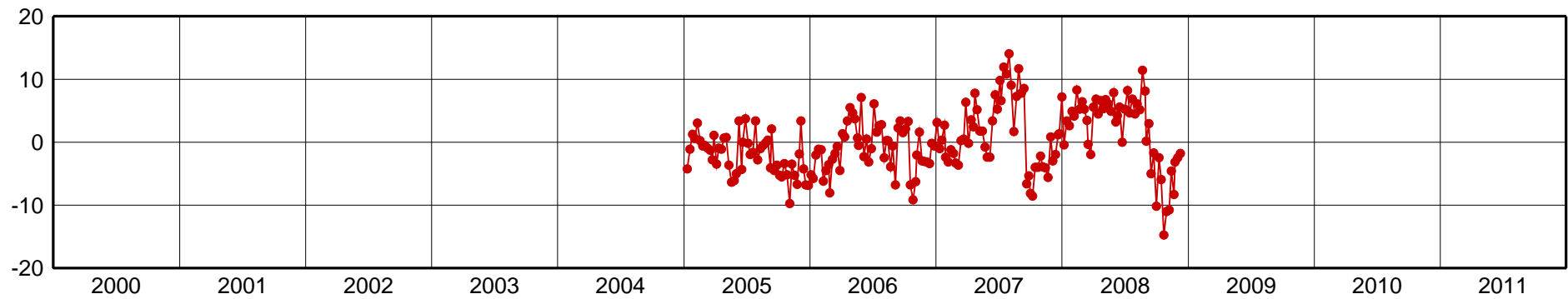
○ SIRGAS Analysis Centre at DGFI



CAM2-East Component [mm]

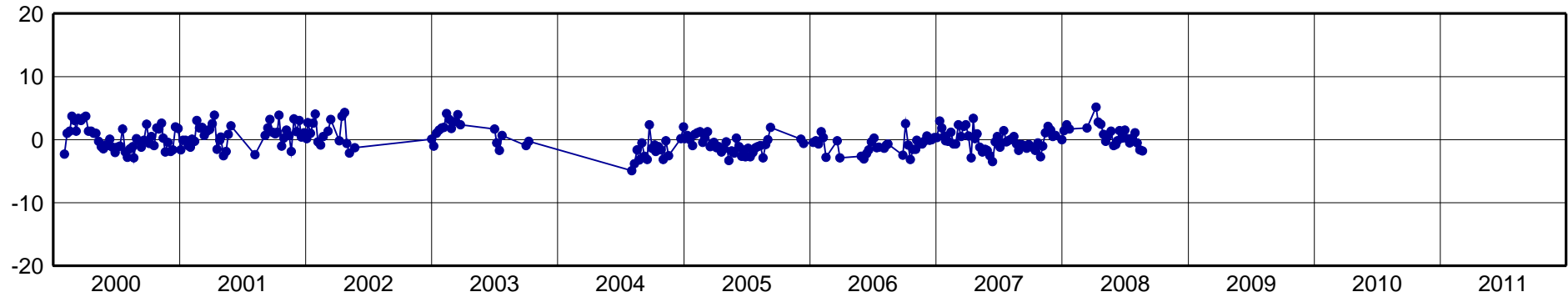


CAM2-Up Component [mm]

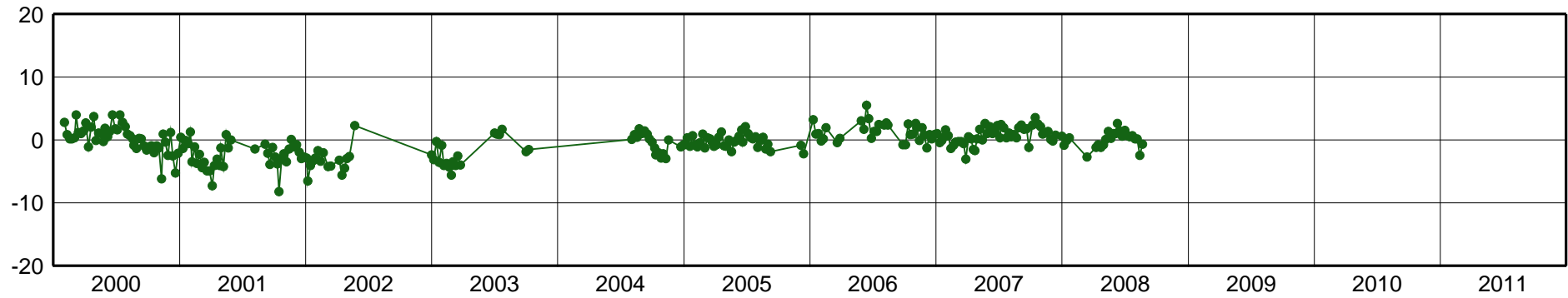


CART-North Component [mm]

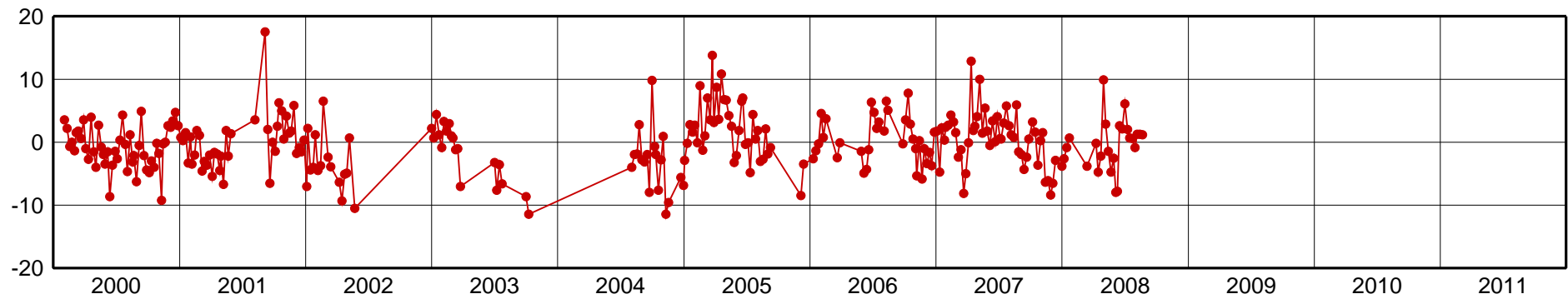
○ SIRGAS Analysis Centre at DGFI



CART-East Component [mm]

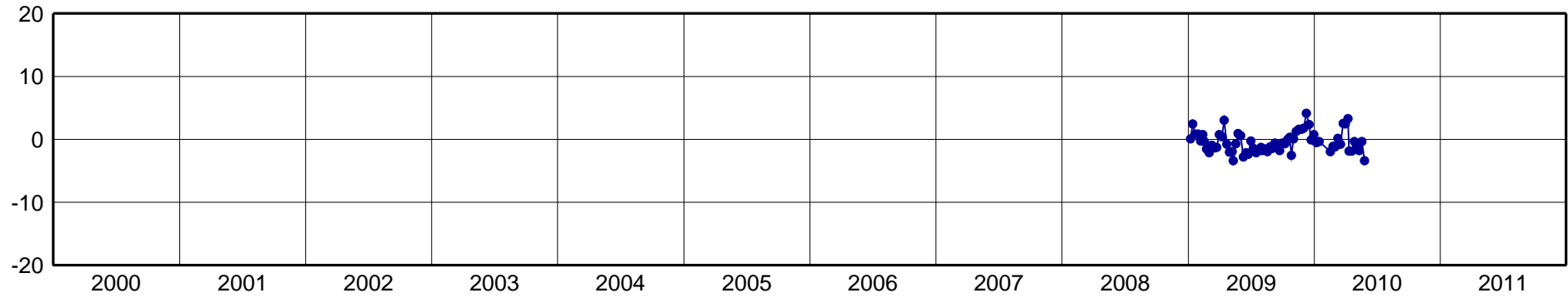


CART-Up Component [mm]

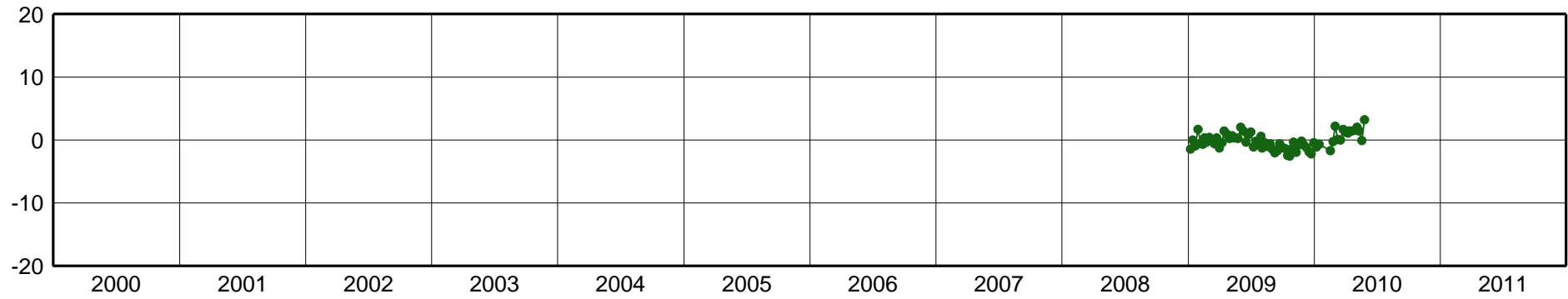


CASI-North Component [mm]

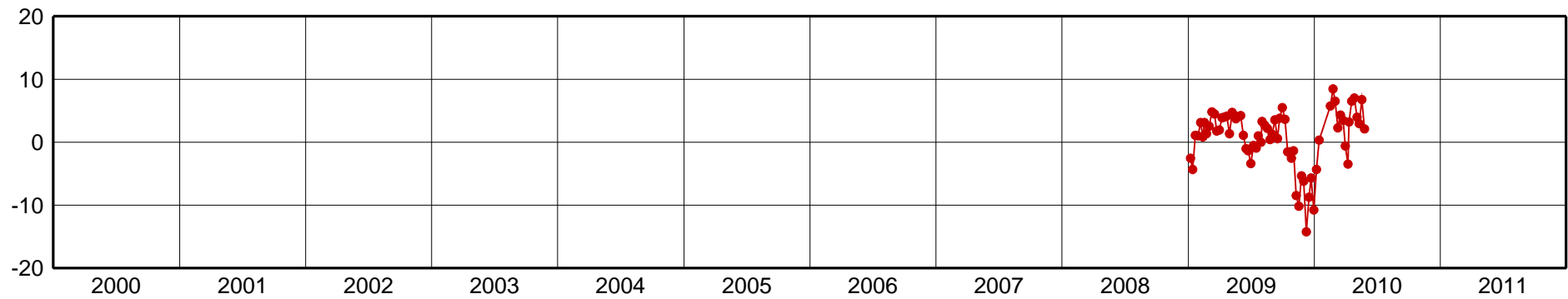
○ SIRGAS Analysis Centre at DGFI



CASI-East Component [mm]



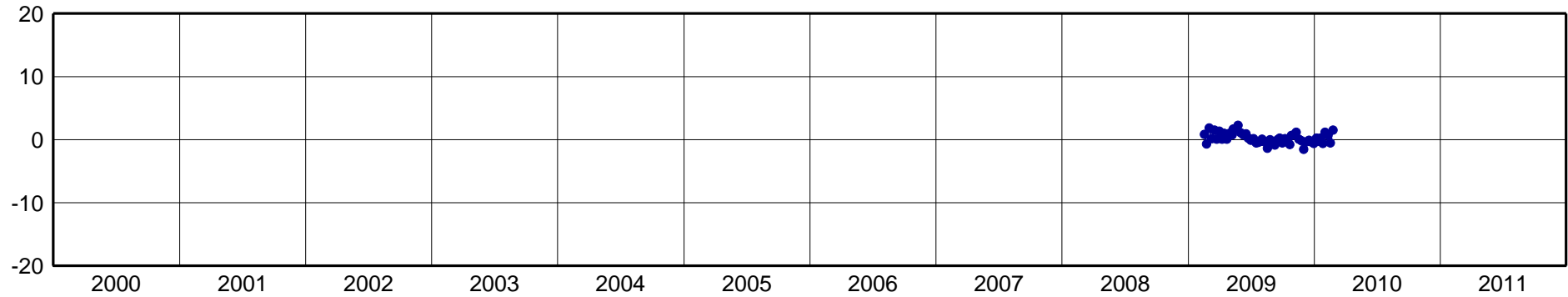
CASI-Up Component [mm]



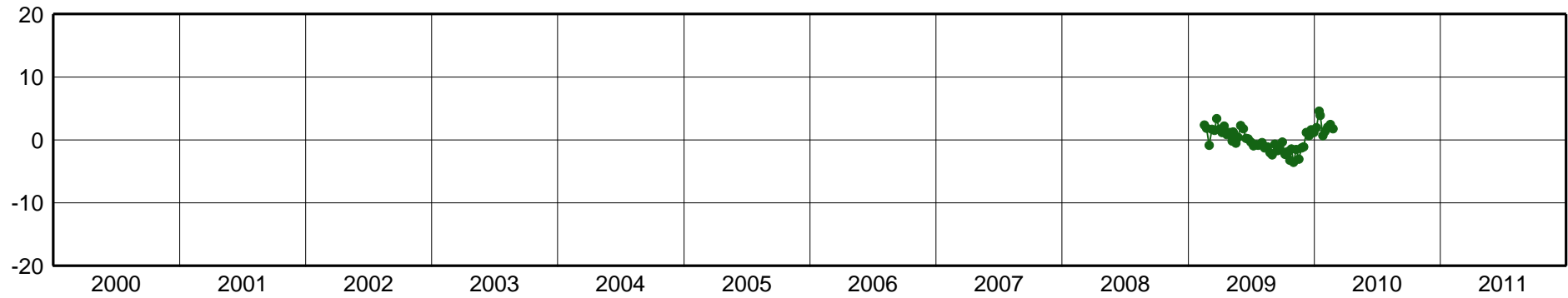


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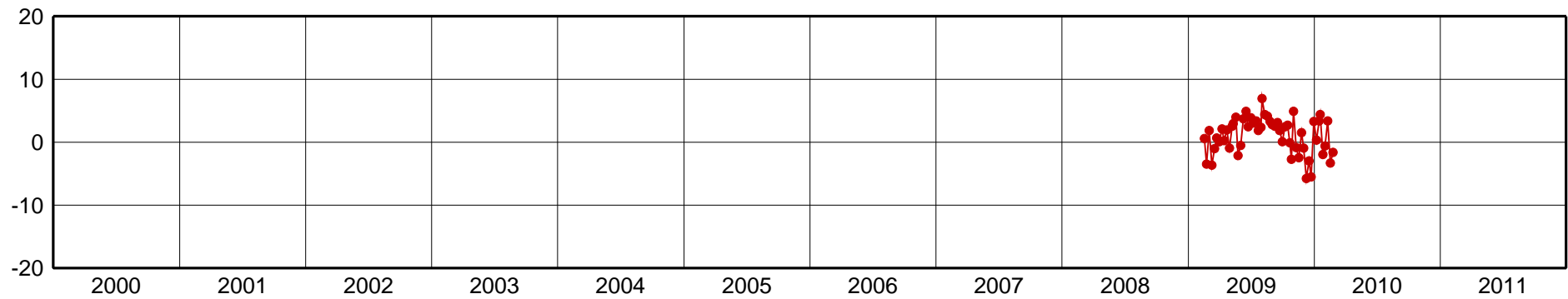
○ SIRGAS Analysis Centre at DGFI



CATA-East Component [mm]

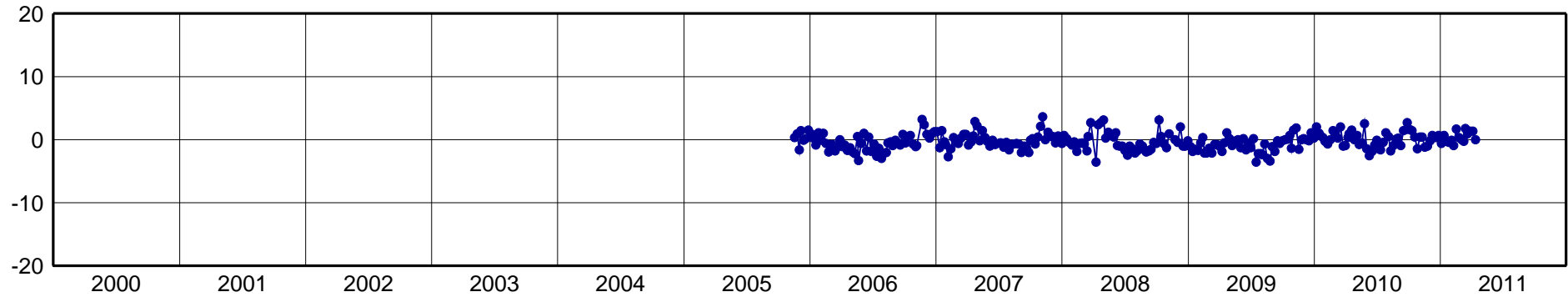


CATA-Up Component [mm]

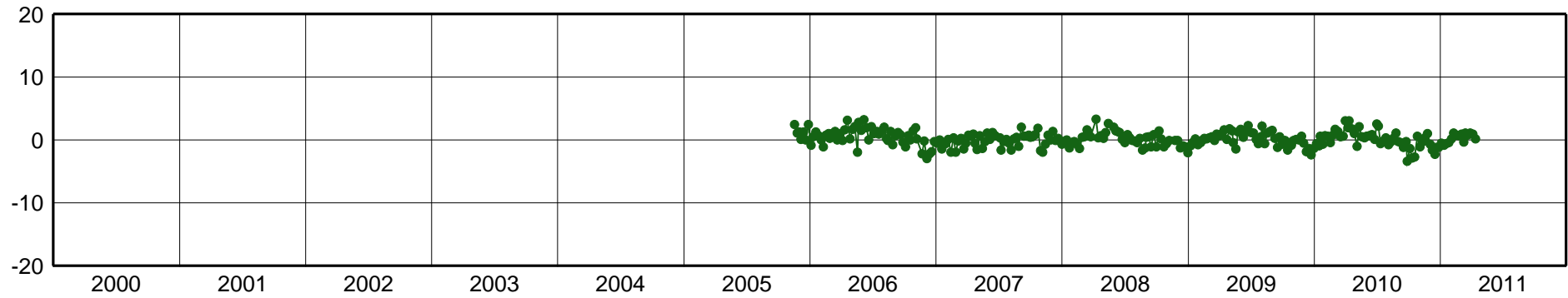


CBSB-North Component [mm]

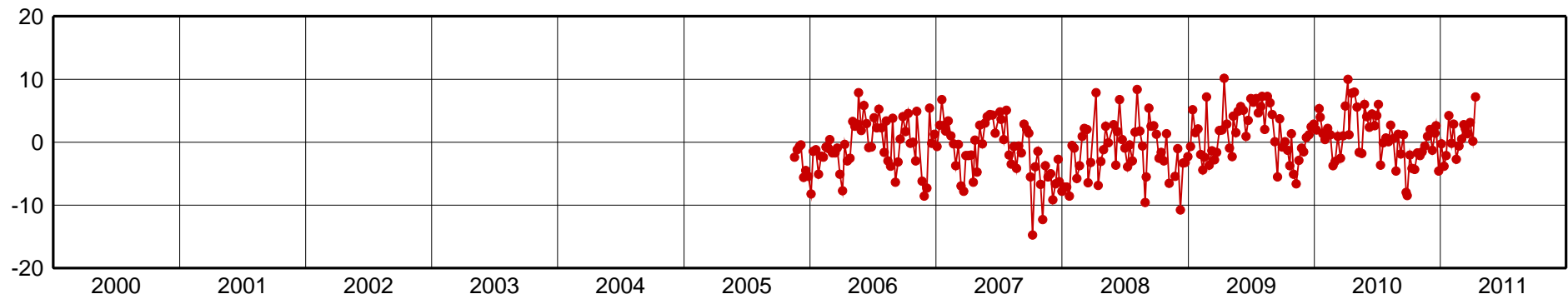
○ SIRGAS Analysis Centre at DGFI



CBSB-East Component [mm]

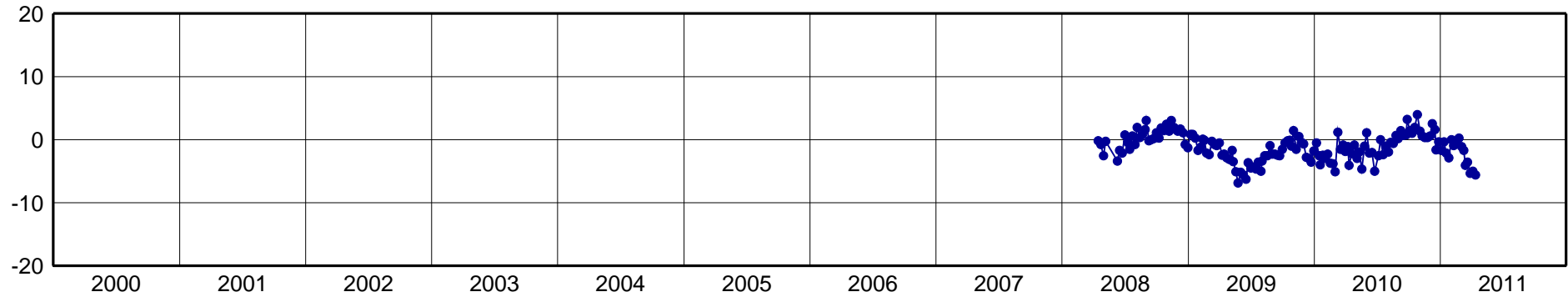


CBSB-Up Component [mm]

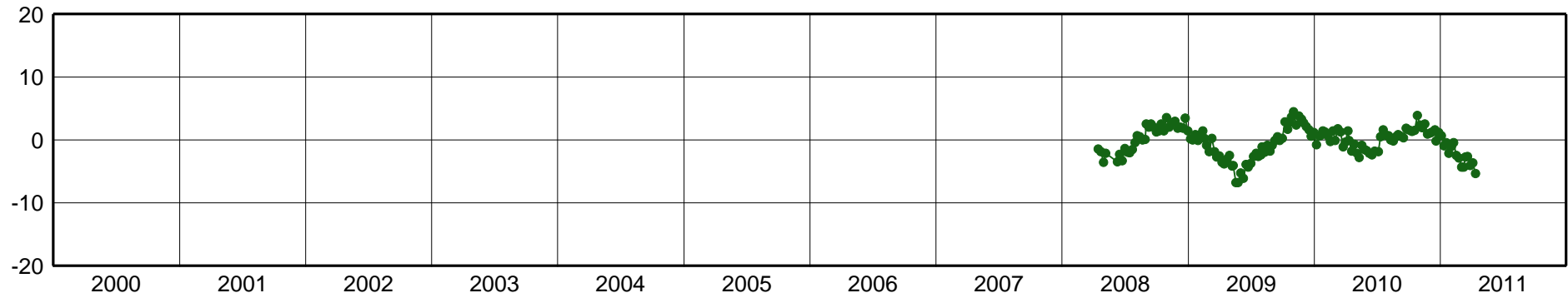


CEEU-North Component [mm]

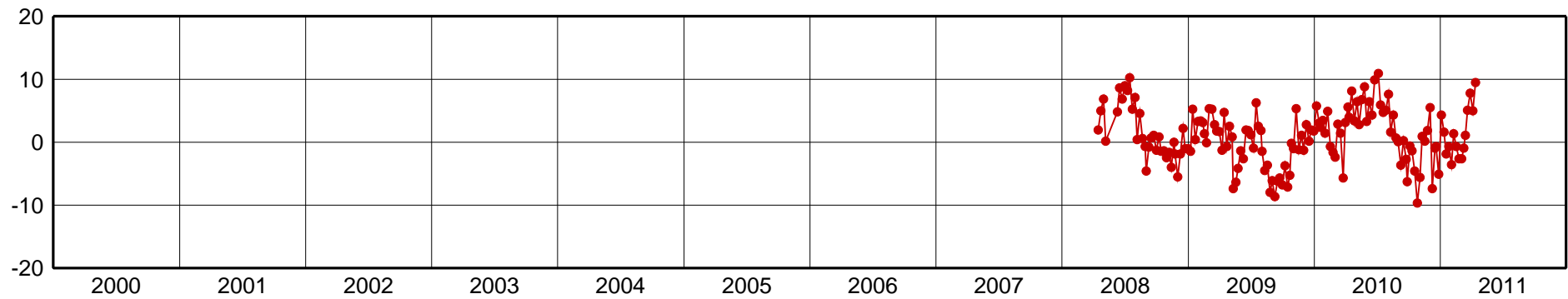
○ SIRGAS Analysis Centre at DGFI



CEEU-East Component [mm]

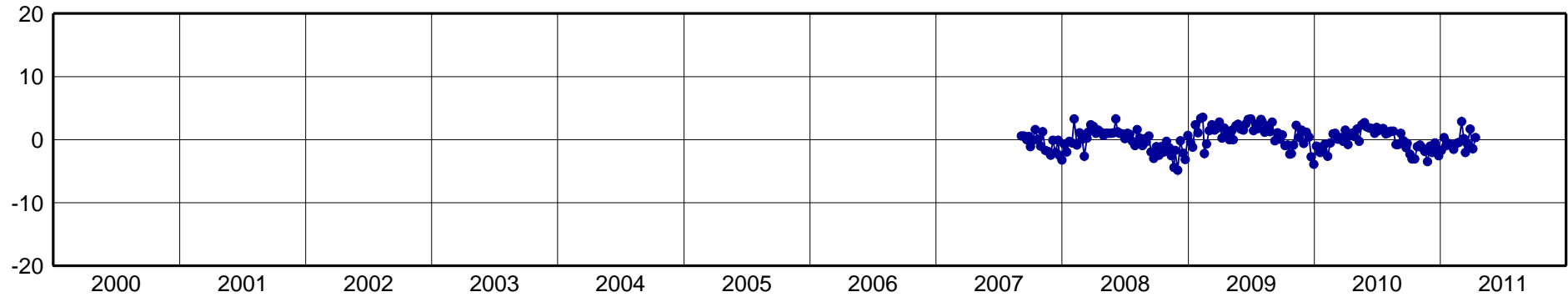


CEEU-Up Component [mm]

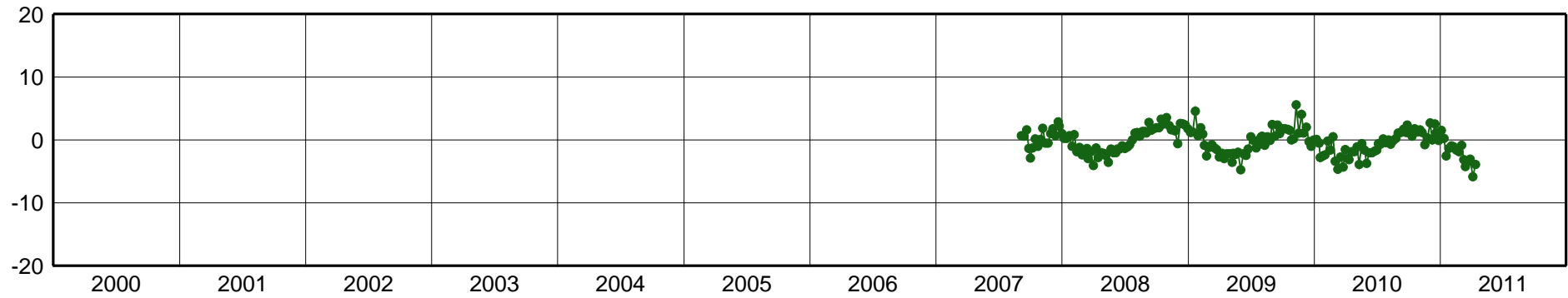


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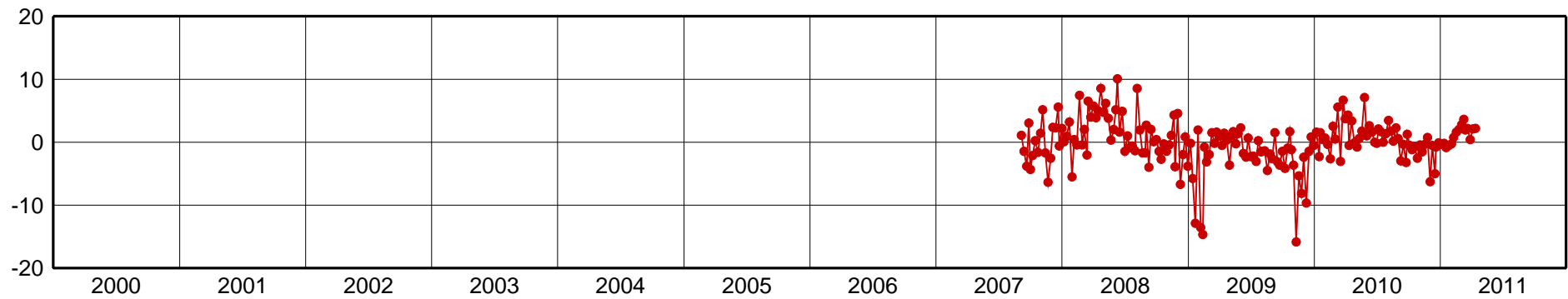
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CEFE-East Component [mm]

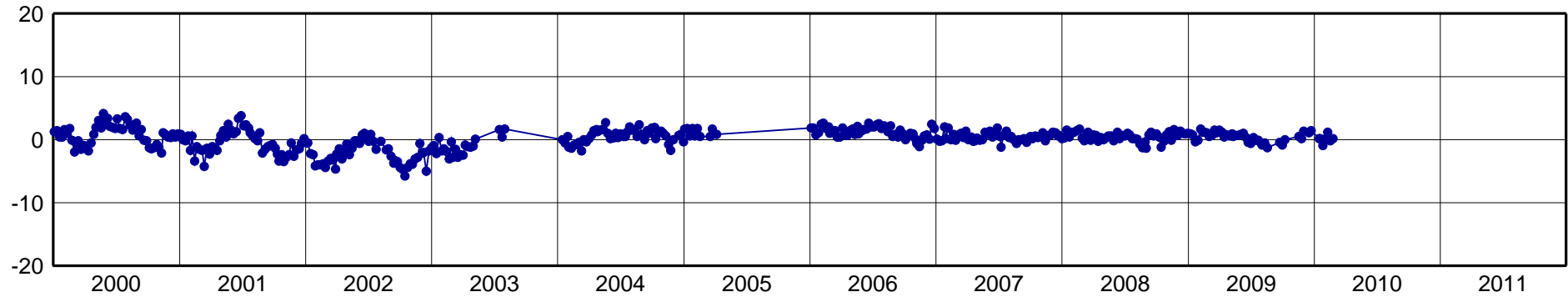


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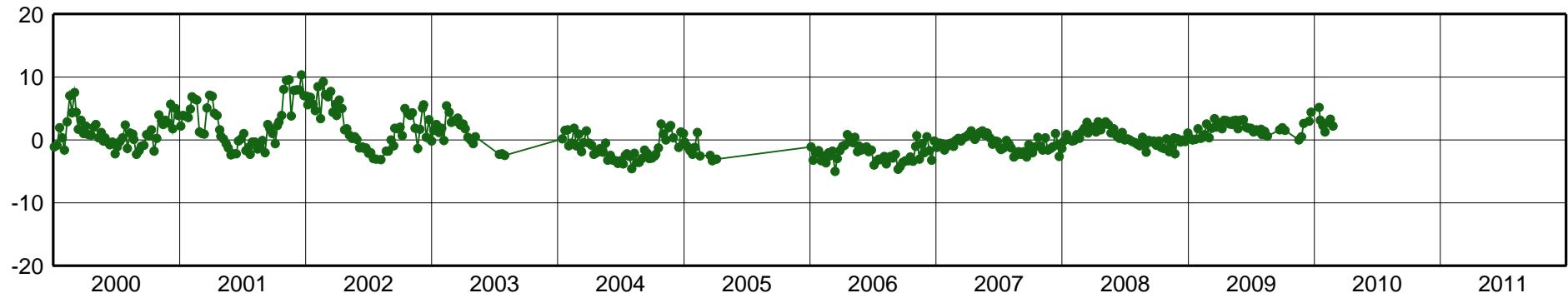


CFAG-North Component [mm]

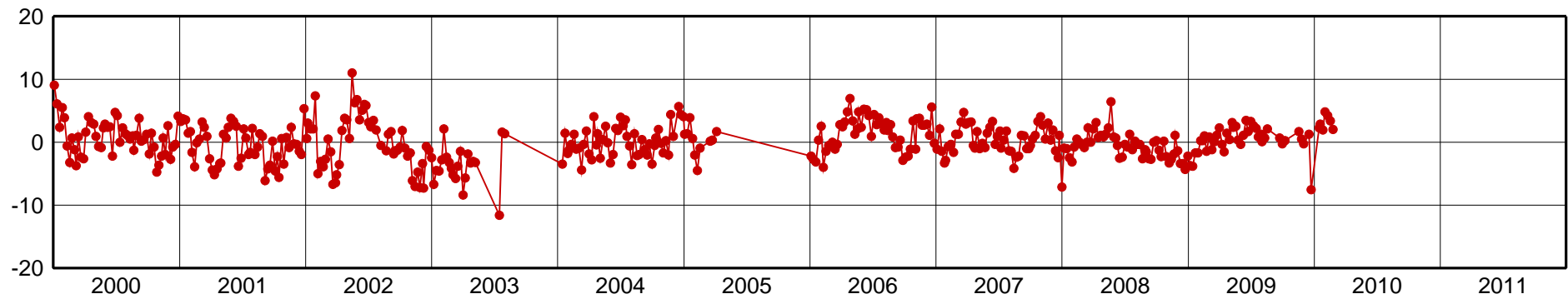
○ SIRGAS Analysis Centre at DGFI



CFAG-East Component [mm]

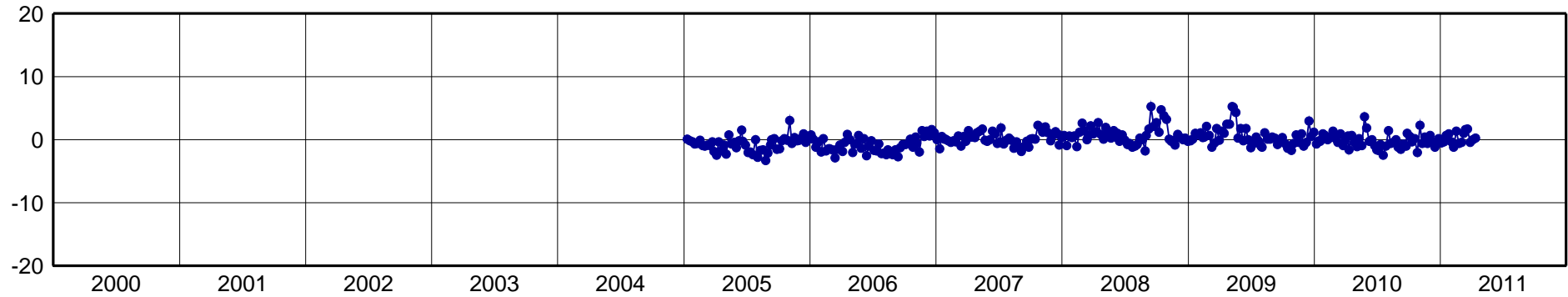


CFAG-Up Component [mm]

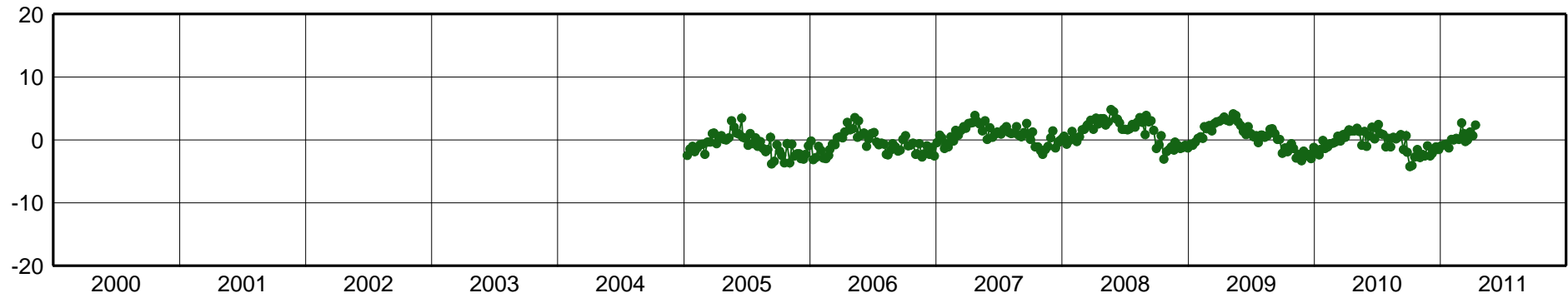


CHET-North Component [mm]

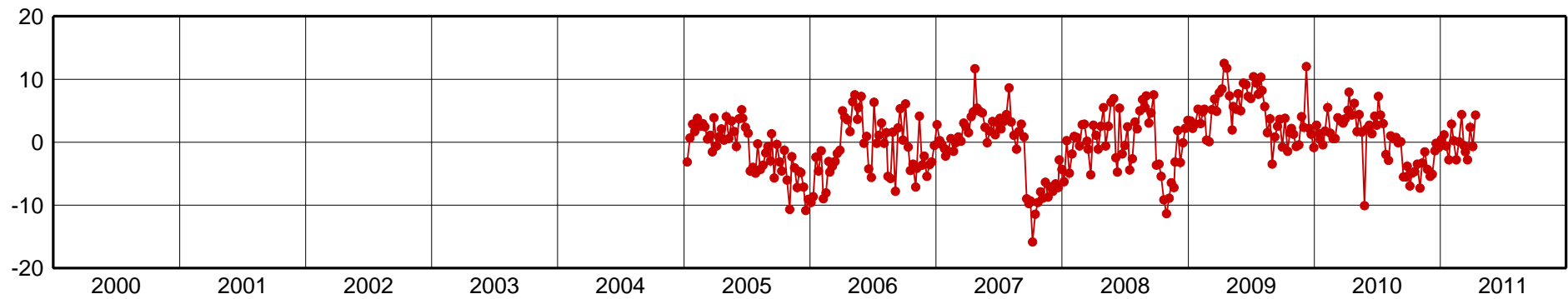
○ SIRGAS Analysis Centre at DGFI



CHET-East Component [mm]

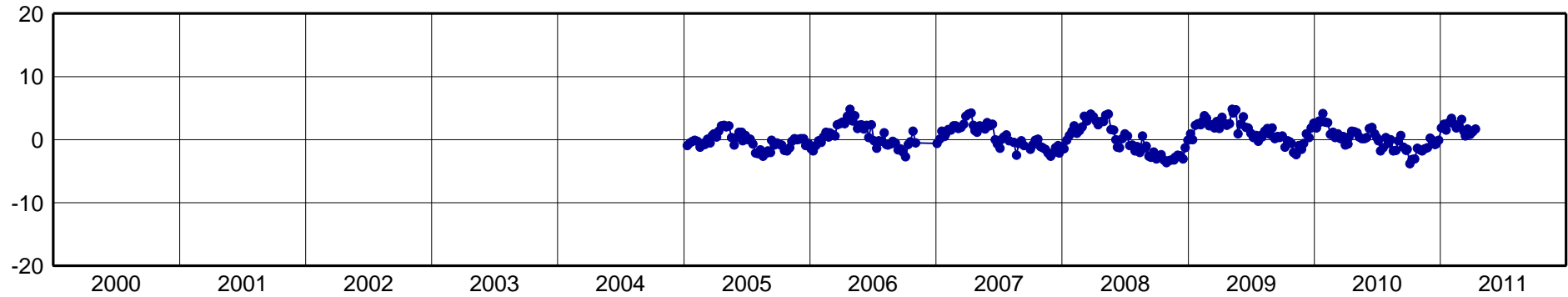


CHET-Up Component [mm]

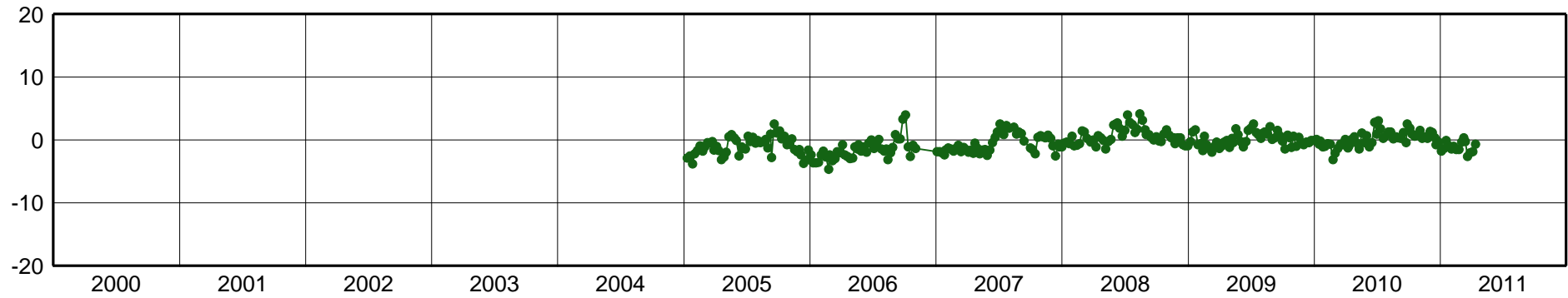


CHIH-North Component [mm]

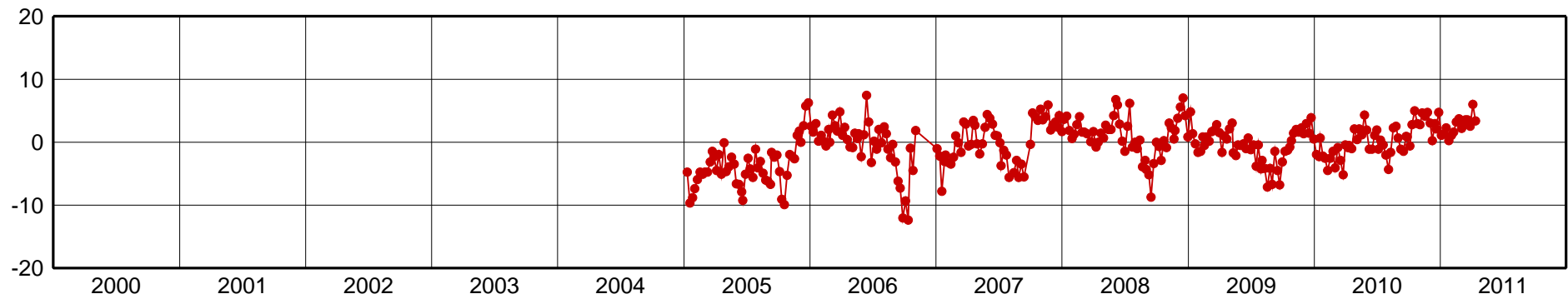
○ SIRGAS Analysis Centre at DGFI



CHIH-East Component [mm]

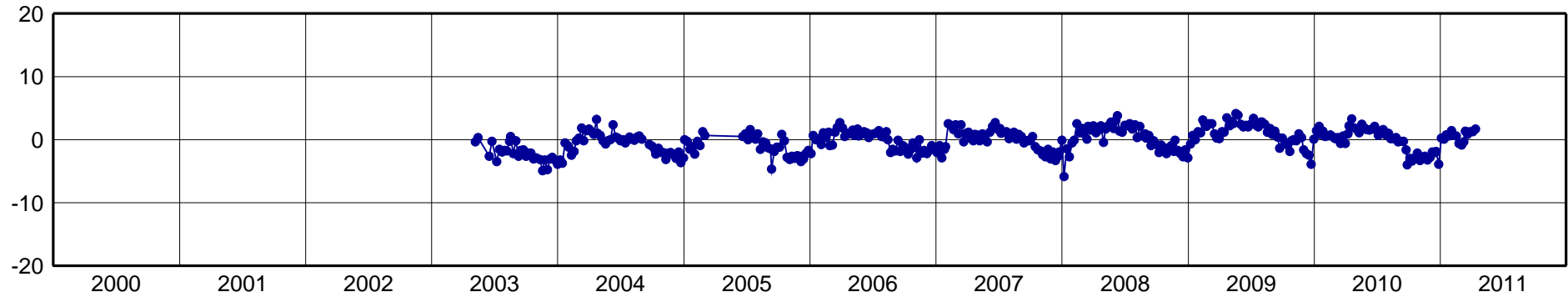


CHIH-Up Component [mm]

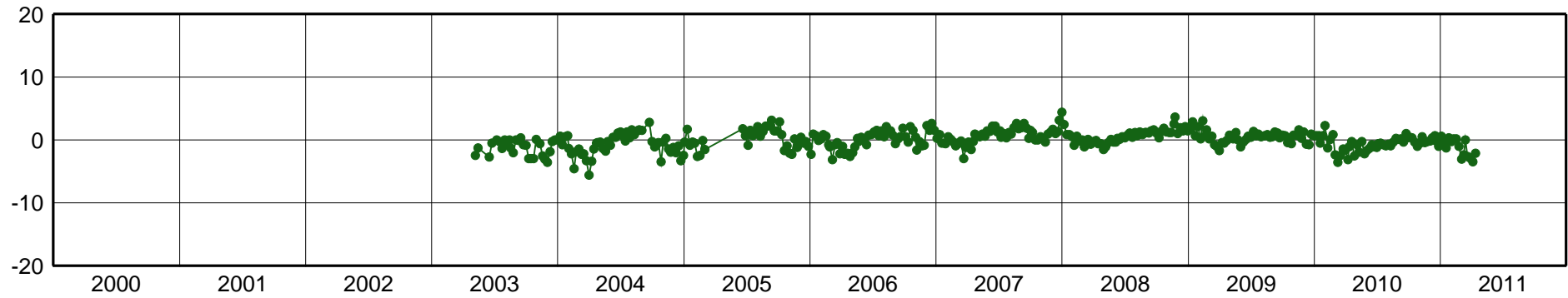


CHPI-North Component [mm]

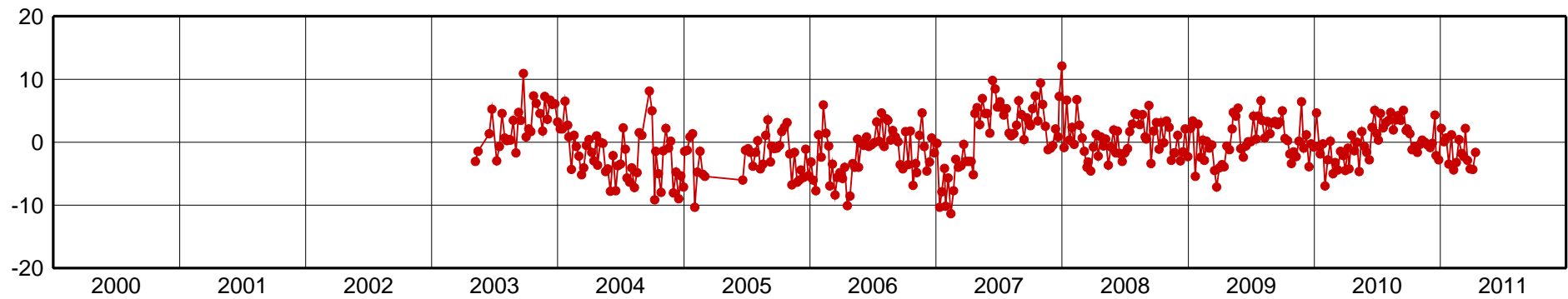
○ SIRGAS Analysis Centre at DGFI



CHPI-East Component [mm]



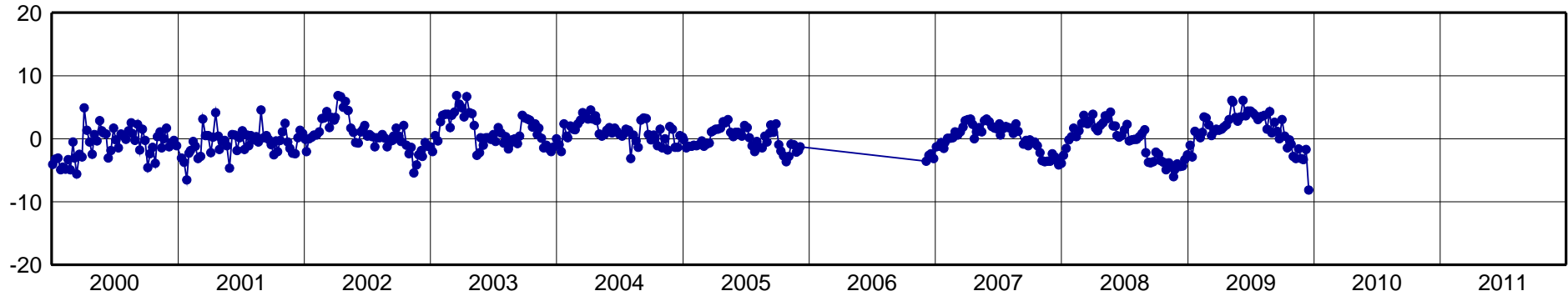
CHPI-Up Component [mm]



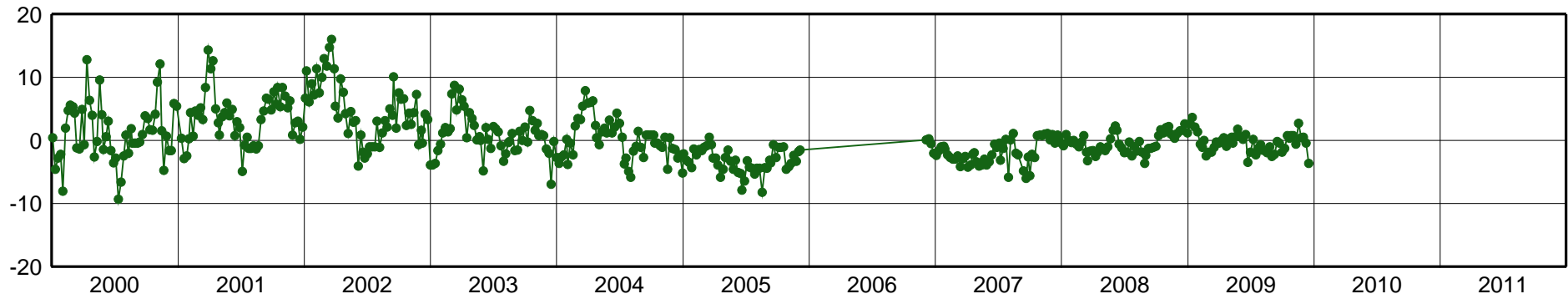


CIC1-North Component [mm]

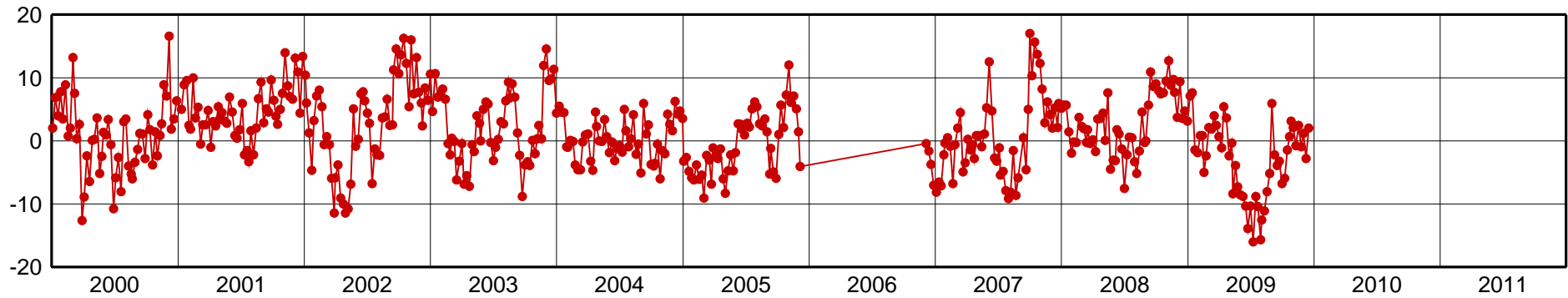
○ SIRGAS Analysis Centre at DGFI



CIC1-East Component [mm]

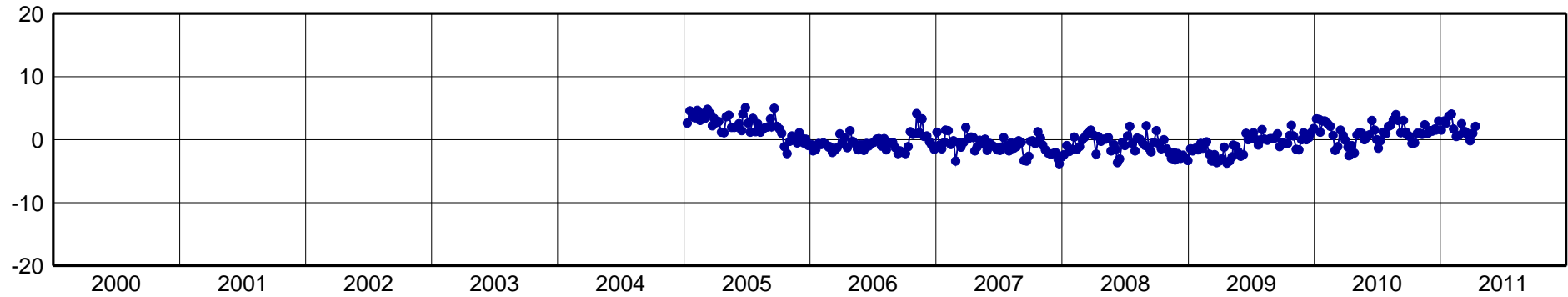


CIC1-Up Component [mm]

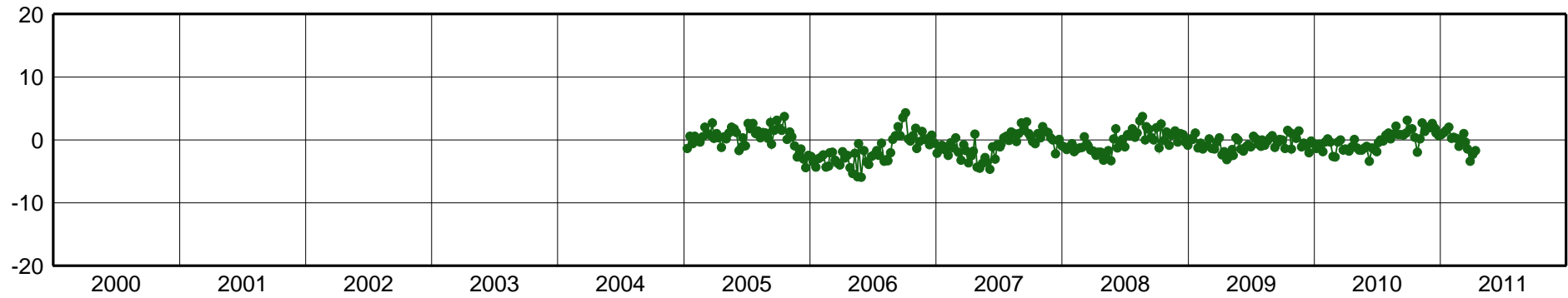


COL2-North Component [mm]

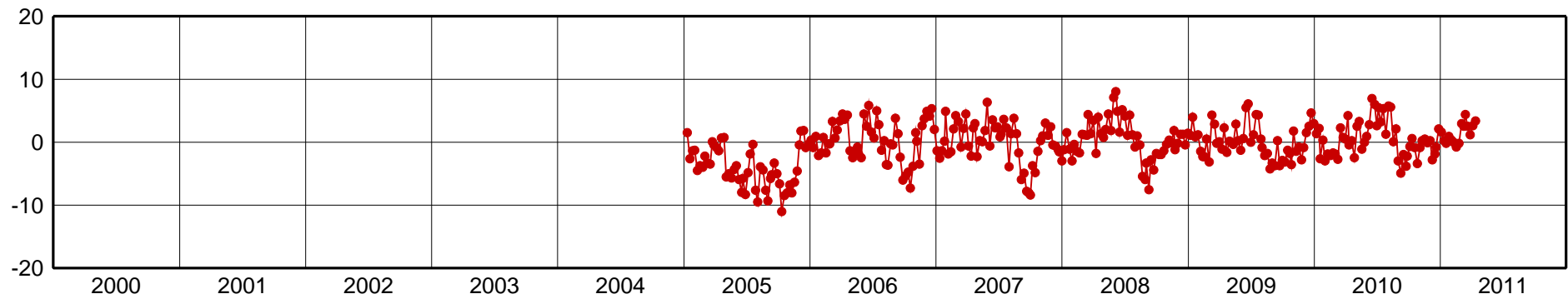
○ SIRGAS Analysis Centre at DGFI



COL2-East Component [mm]

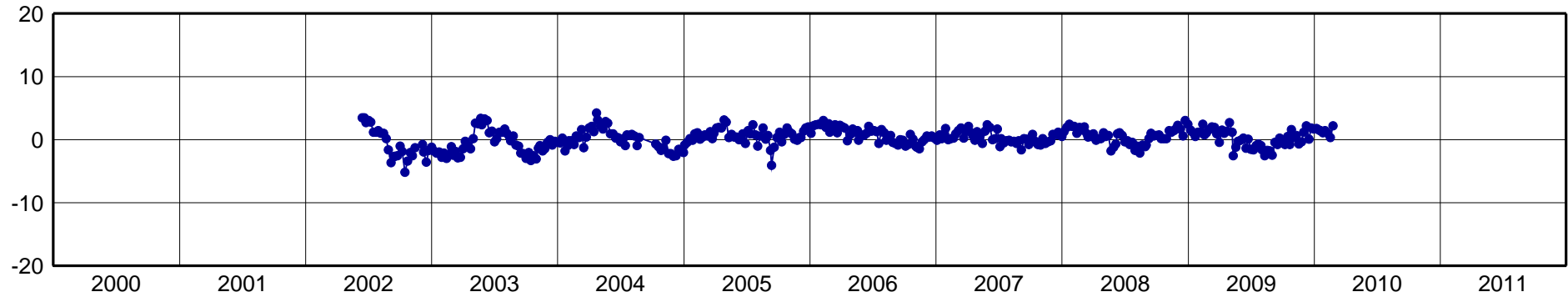


COL2-Up Component [mm]

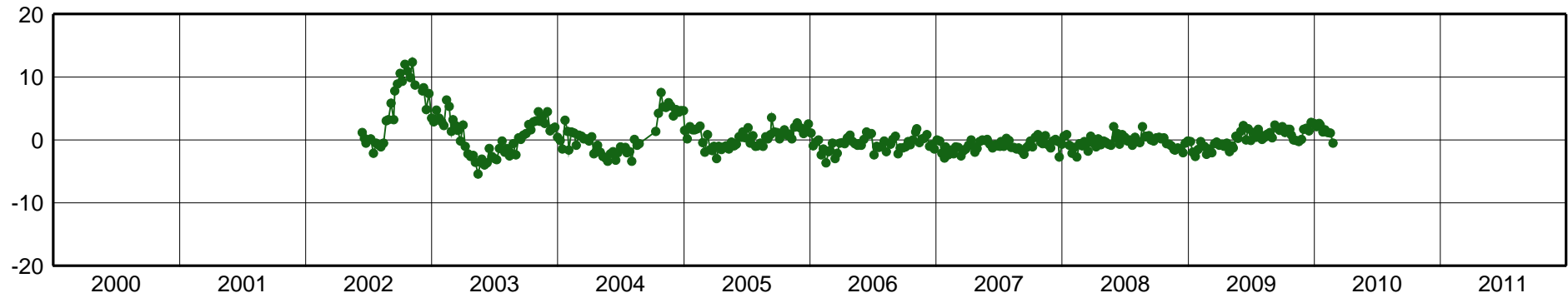


CONZ-North Component [mm]

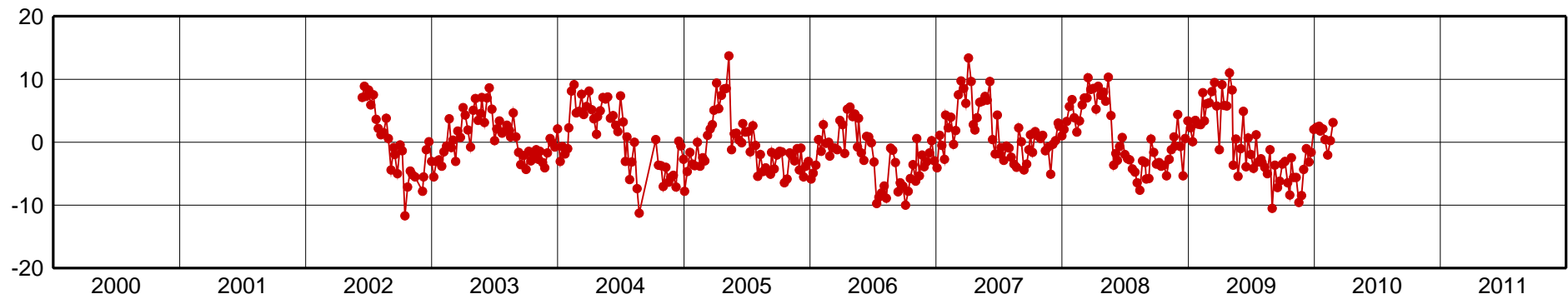
○ SIRGAS Analysis Centre at DGFI



CONZ-East Component [mm]

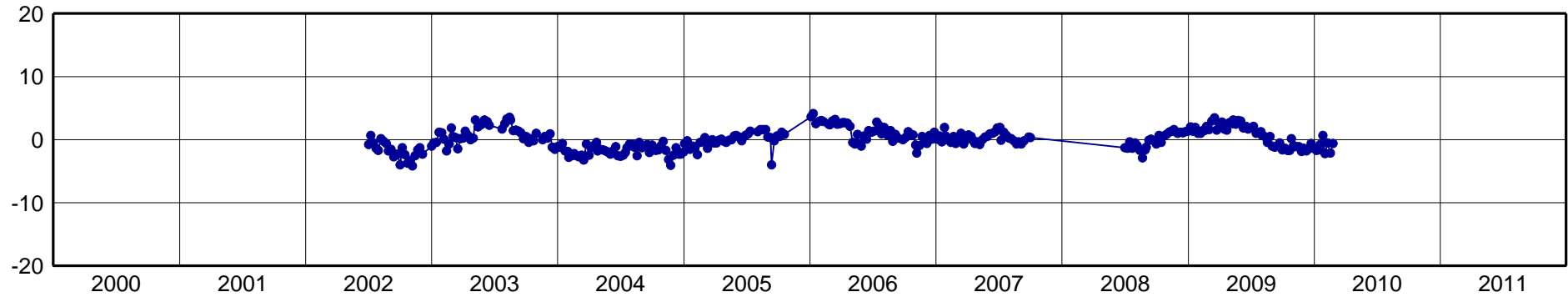


CONZ-Up Component [mm]

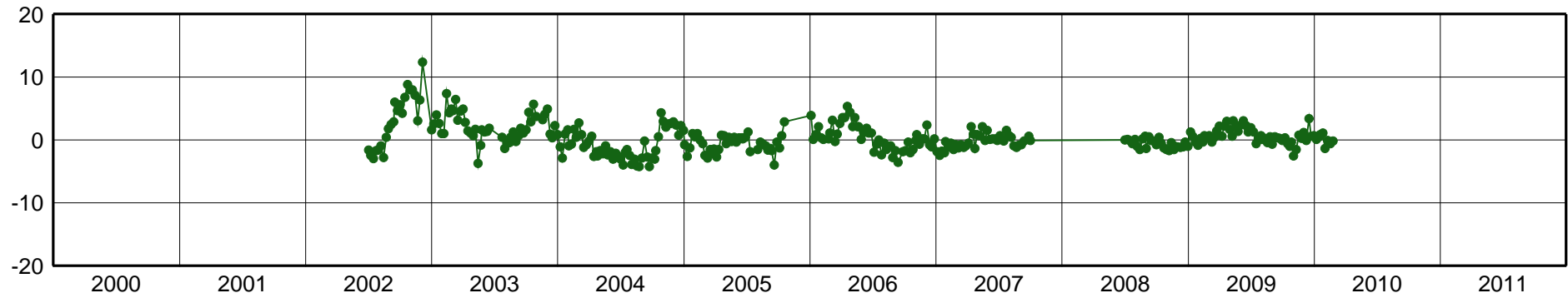


COPO-North Component [mm]

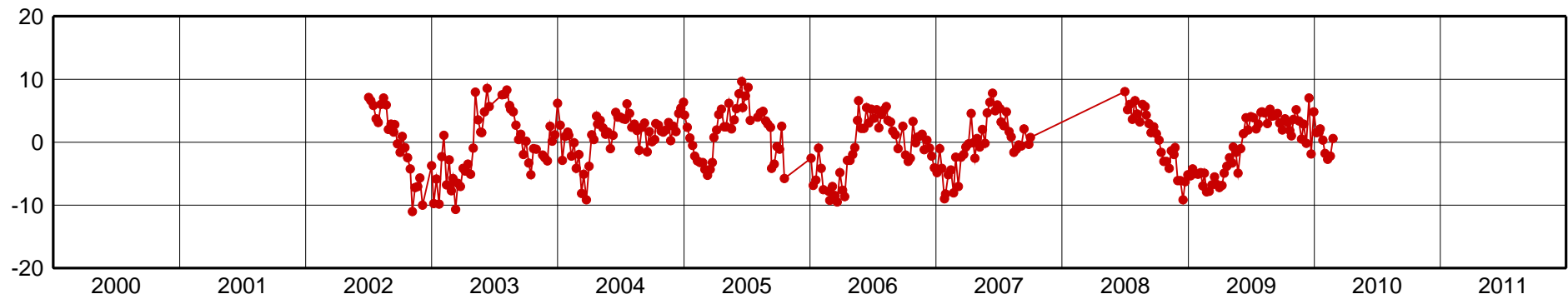
○ SIRGAS Analysis Centre at DGFI



COPO-East Component [mm]

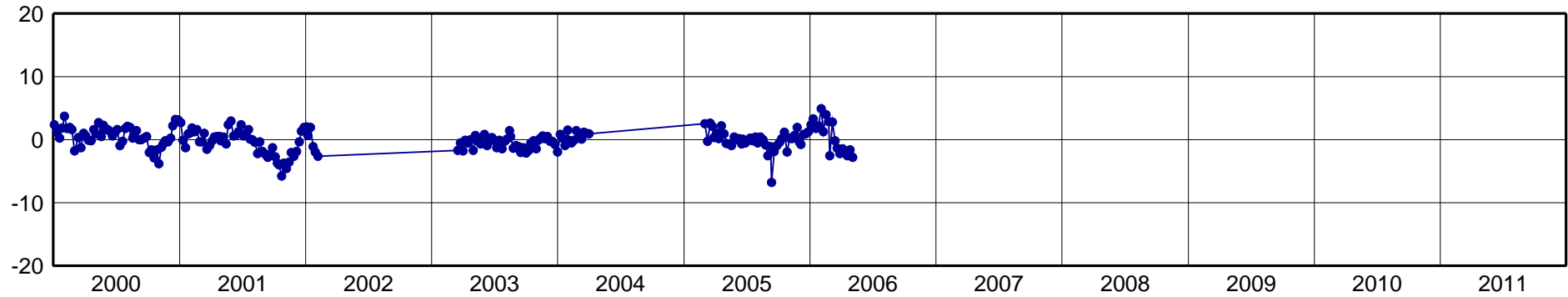


COPO-Up Component [mm]

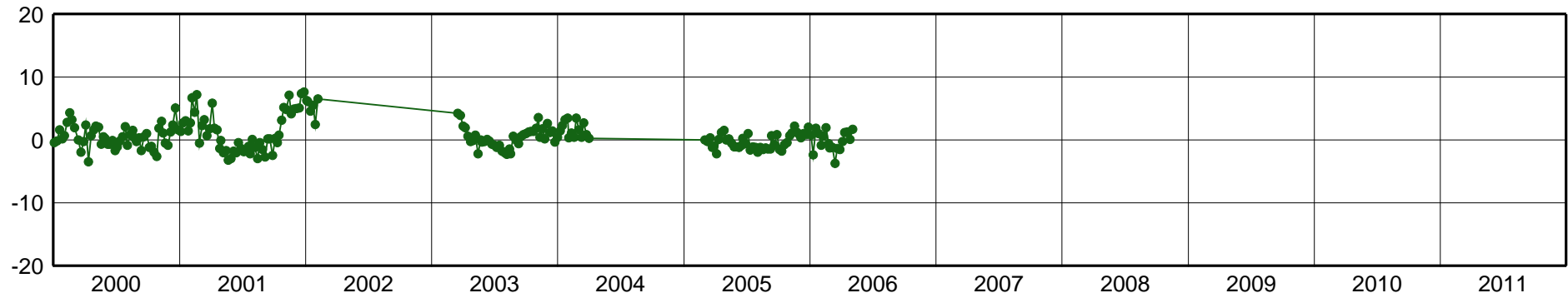


CORD-North Component [mm]

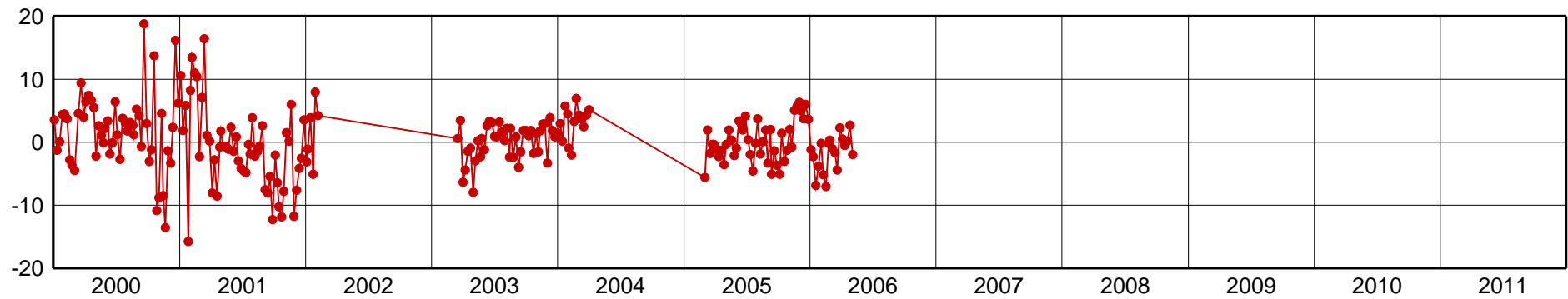
○ SIRGAS Analysis Centre at DGFI



CORD-East Component [mm]

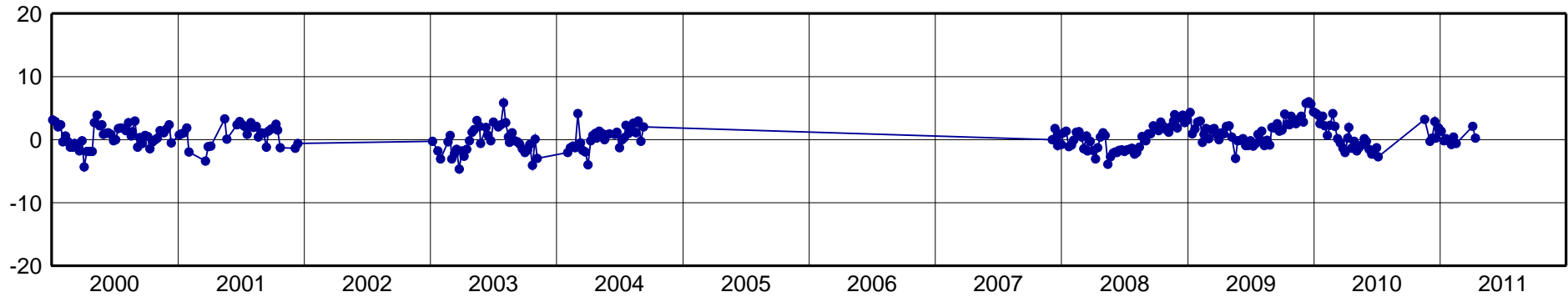


CORD-Up Component [mm]

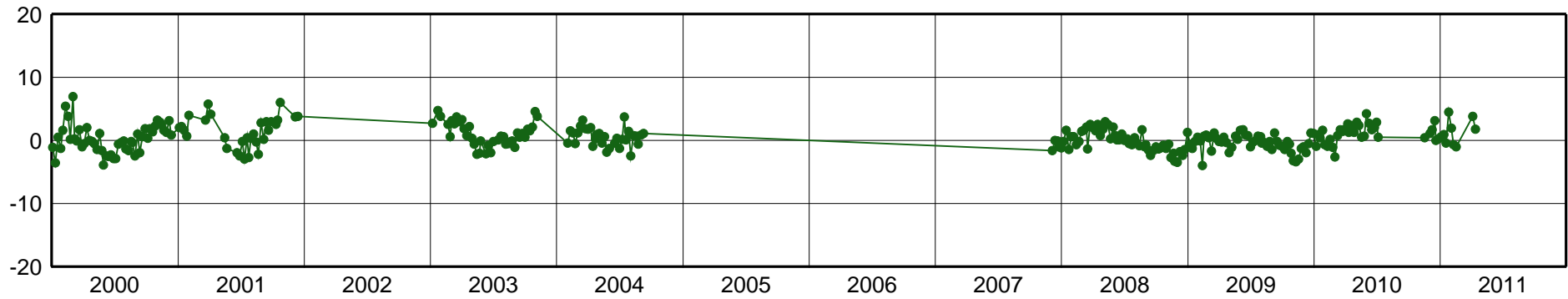


COYQ-North Component [mm]

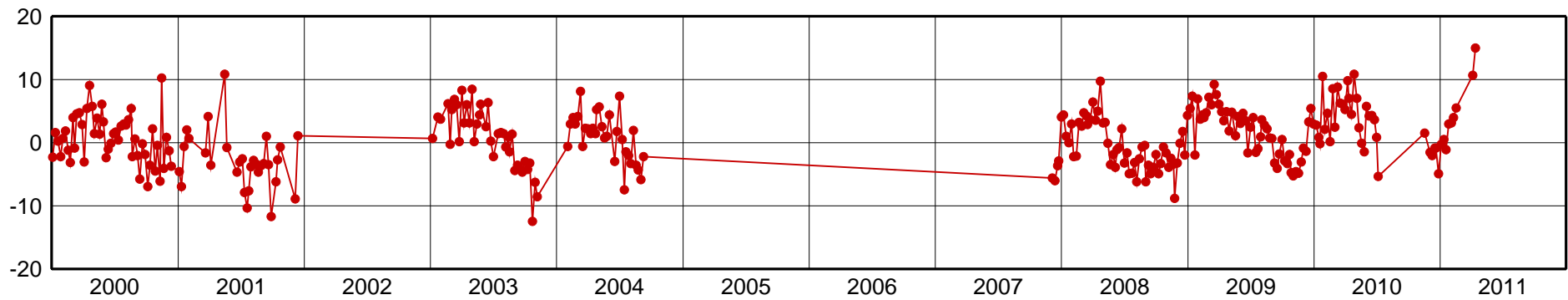
○ SIRGAS Analysis Centre at DGFI



COYQ-East Component [mm]

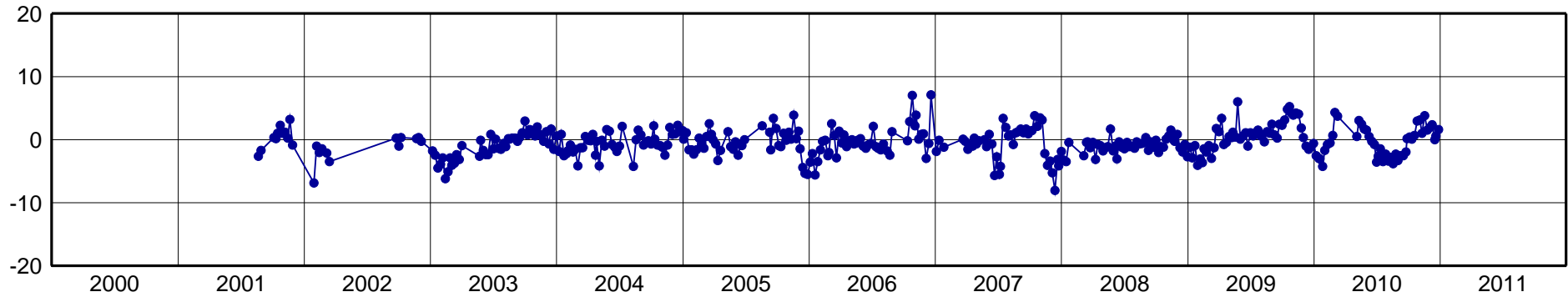


COYQ-Up Component [mm]

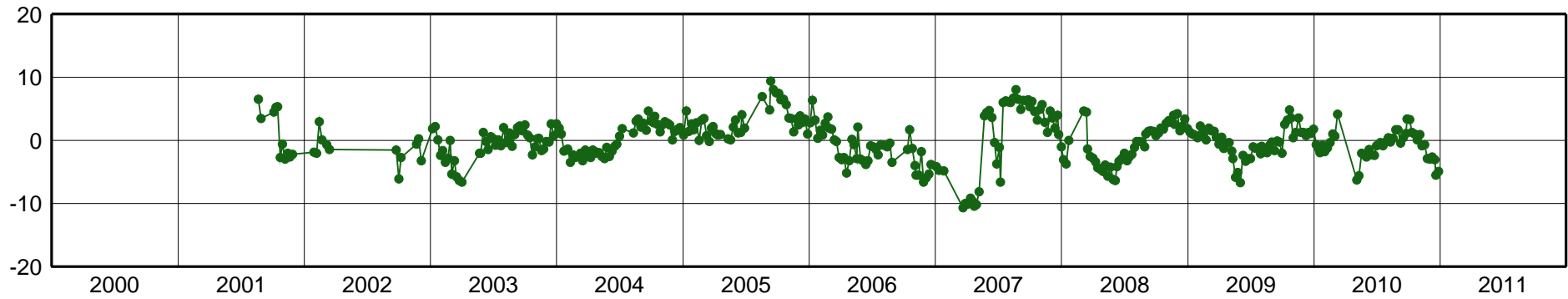


CRAT-North Component [mm]

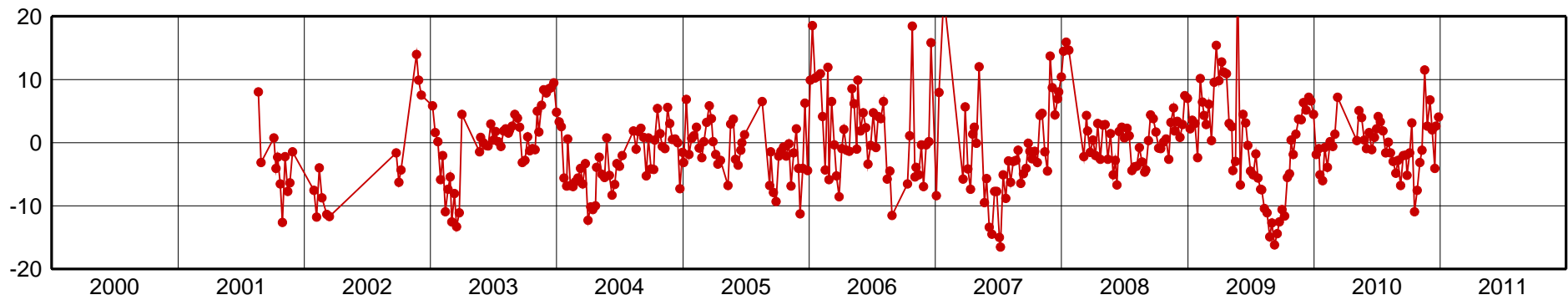
○ SIRGAS Analysis Centre at DGFI



CRAT-East Component [mm]

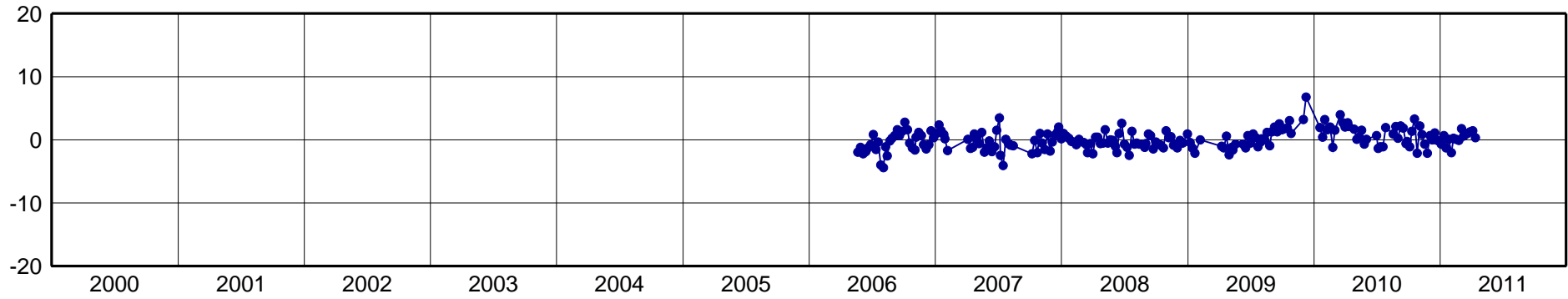


CRAT-Up Component [mm]

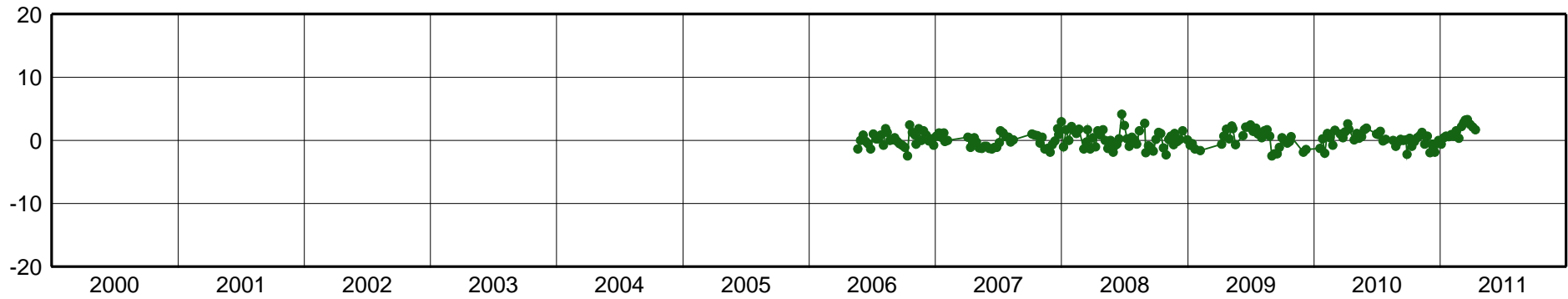


CRCS-North Component [mm]

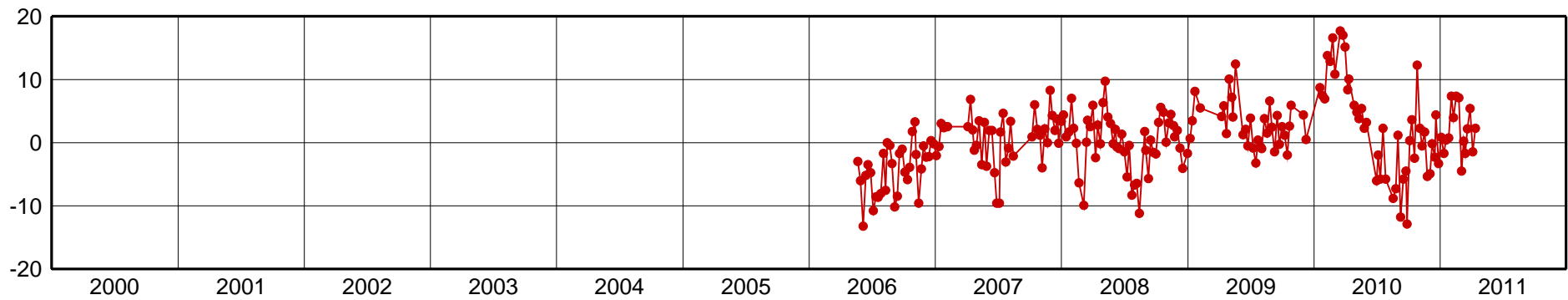
○ SIRGAS Analysis Centre at DGFI



CRCS-East Component [mm]



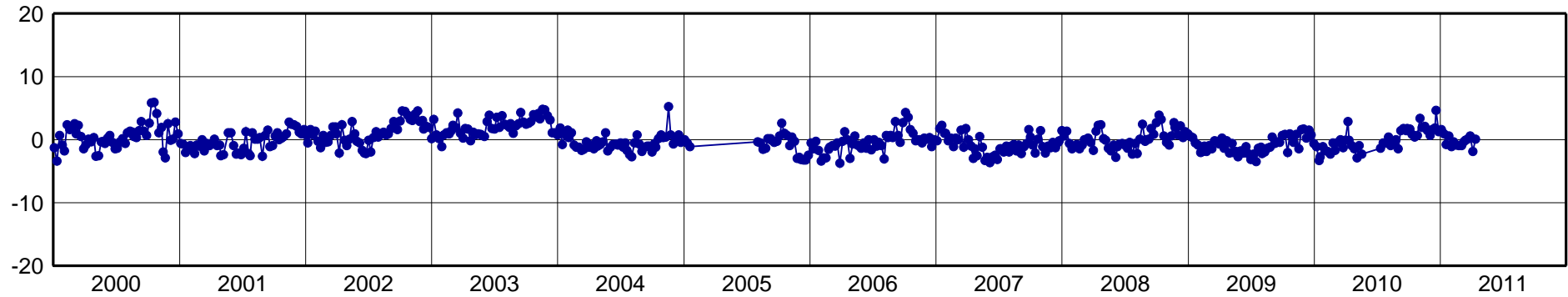
CRCS-Up Component [mm]



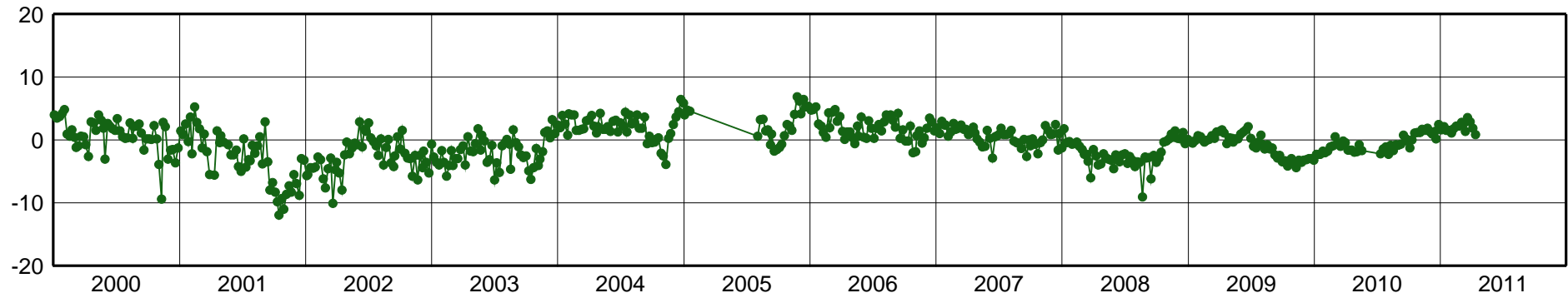


CRO1-North Component [mm]

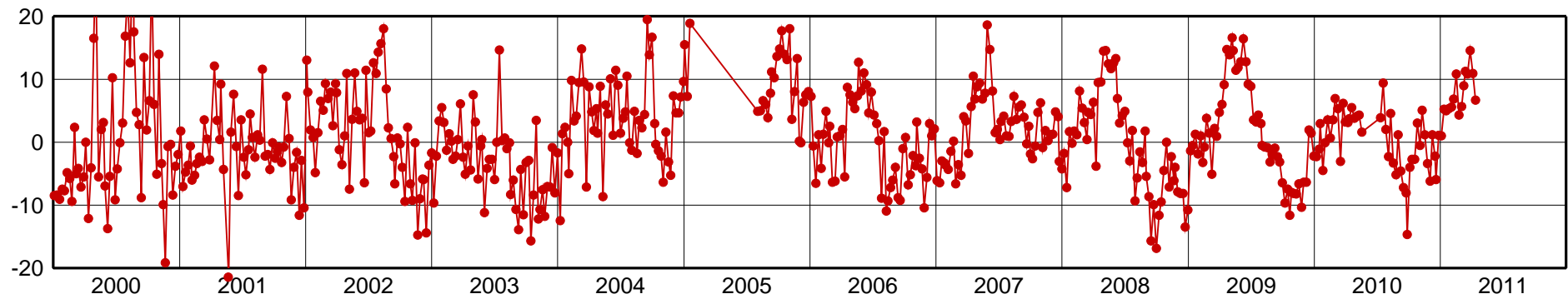
○ SIRGAS Analysis Centre at DGFI



CRO1-East Component [mm]

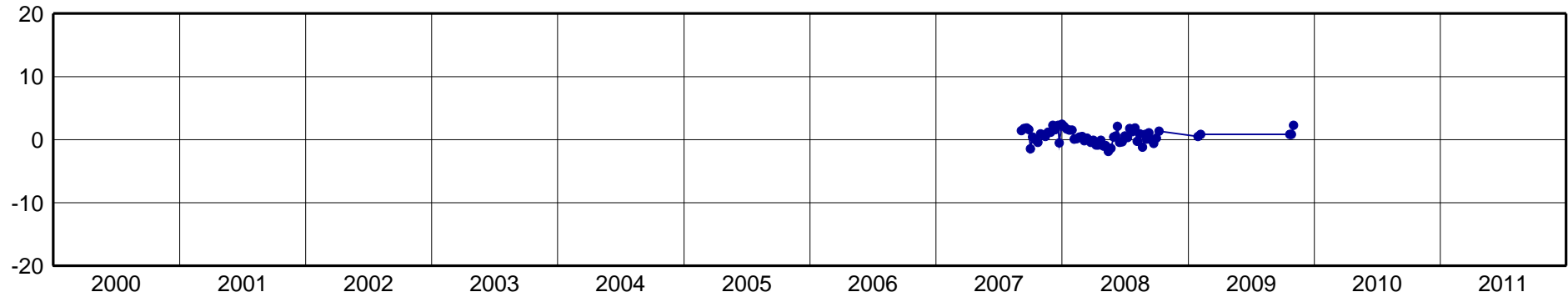


CRO1-Up Component [mm]

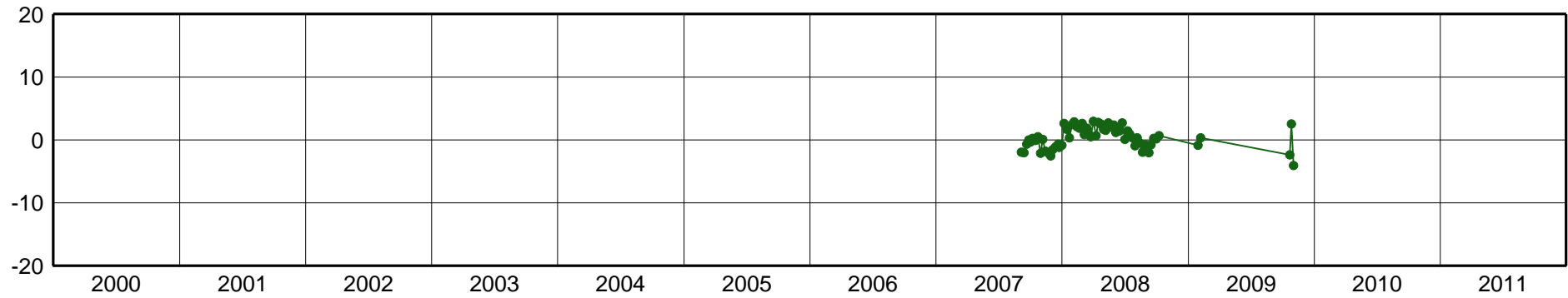


CRUZ-North Component [mm]

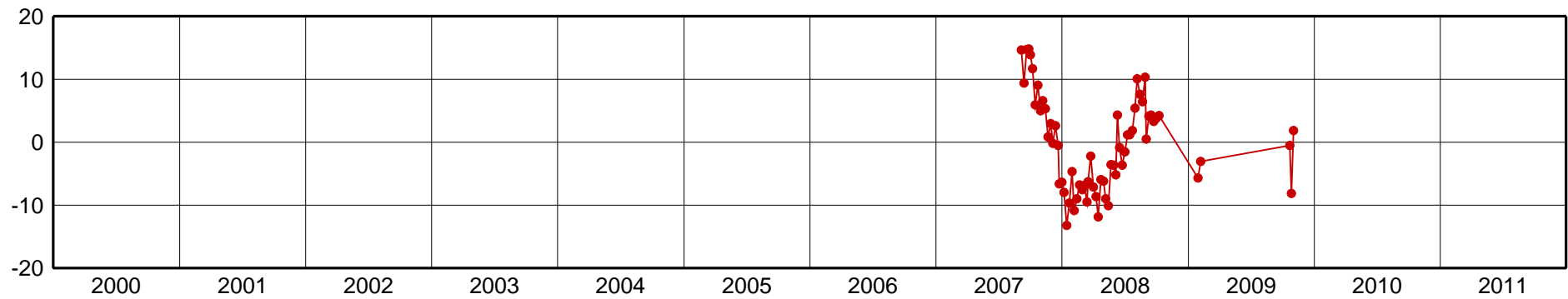
○ SIRGAS Analysis Centre at DGFI



CRUZ-East Component [mm]

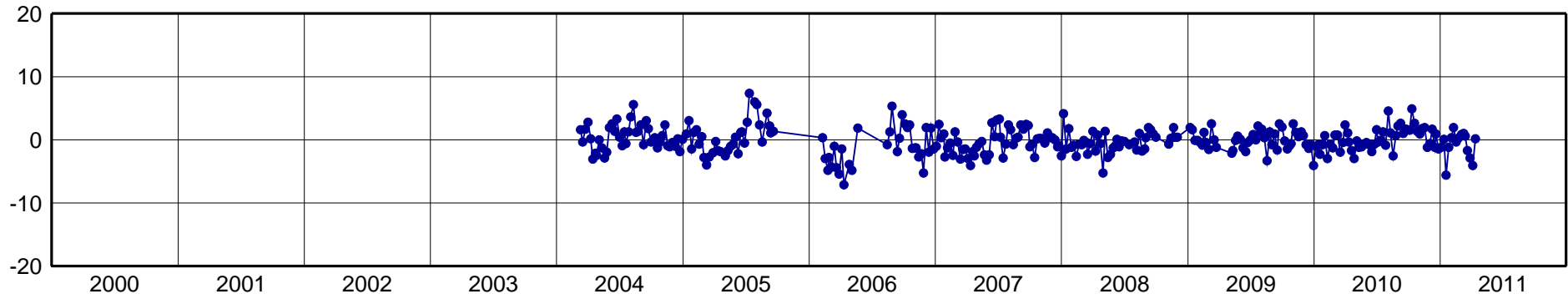


CRUZ-Up Component [mm]

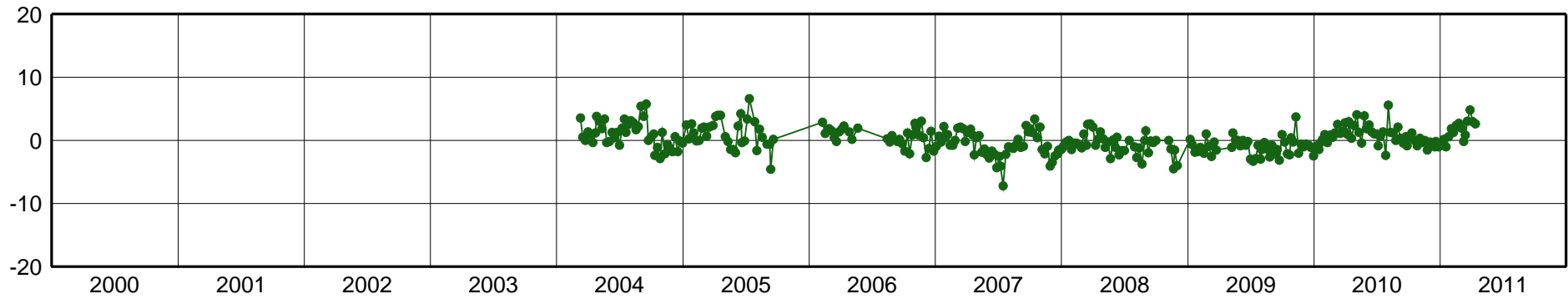


CUCU-North Component [mm]

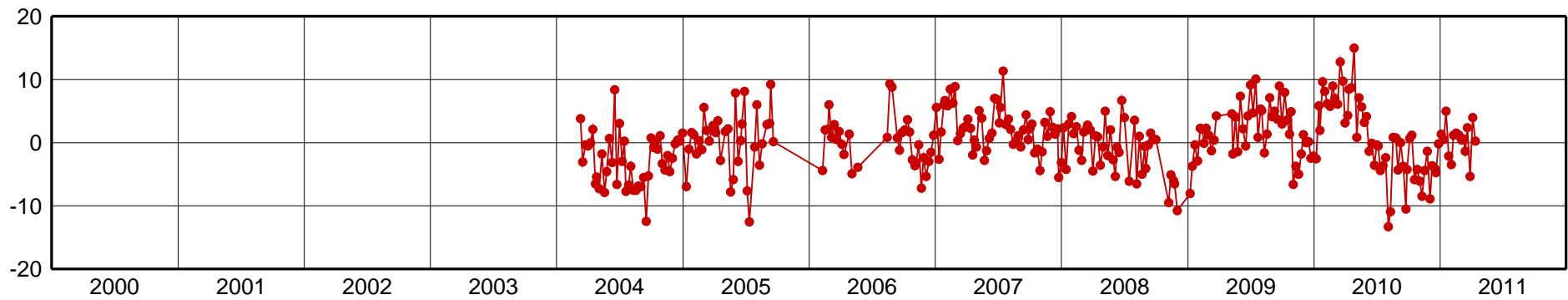
○ SIRGAS Analysis Centre at DGFI



CUCU-East Component [mm]

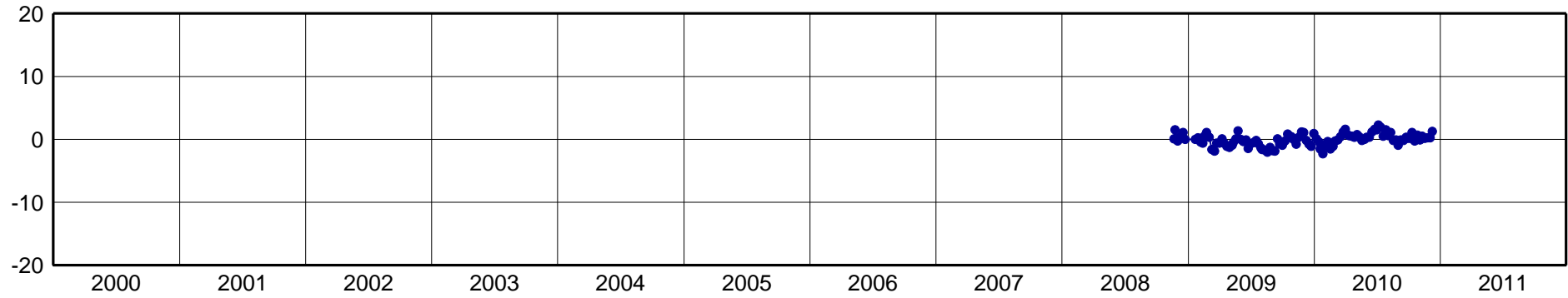


CUCU-Up Component [mm]

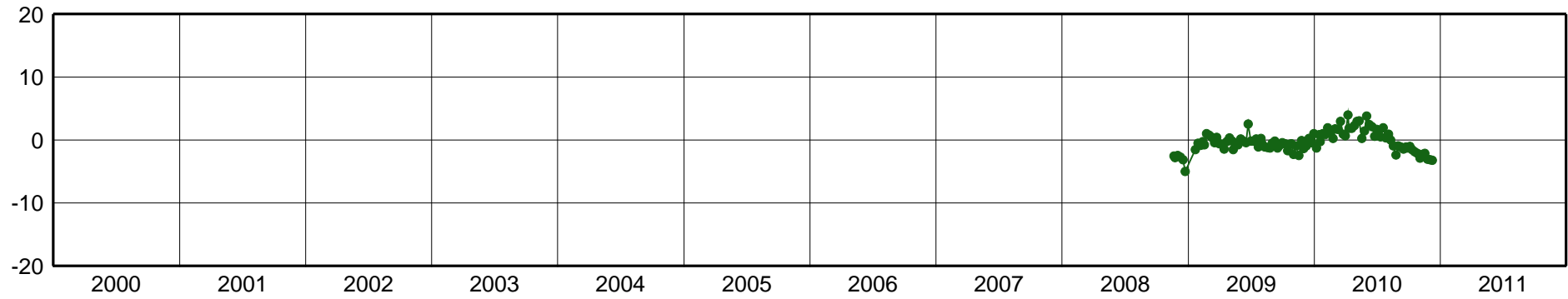


CUEC-North Component [mm]

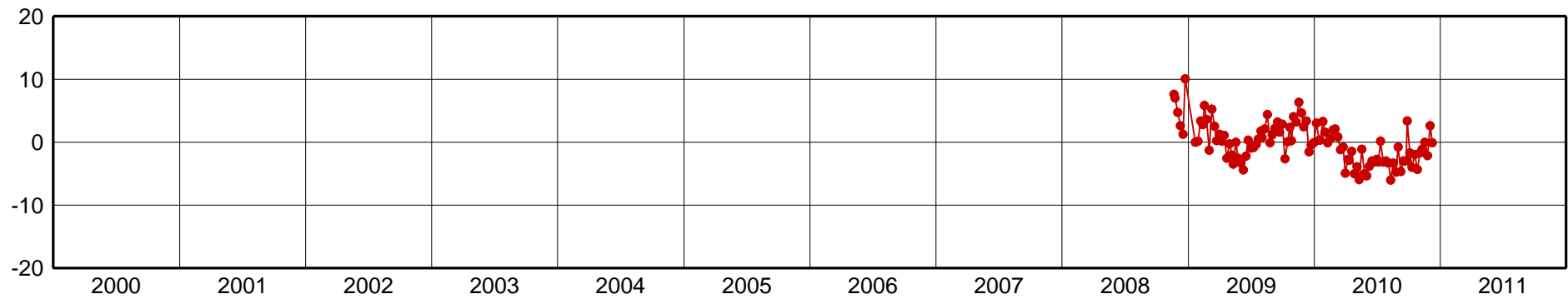
○ SIRGAS Analysis Centre at DGFI



CUEC-East Component [mm]

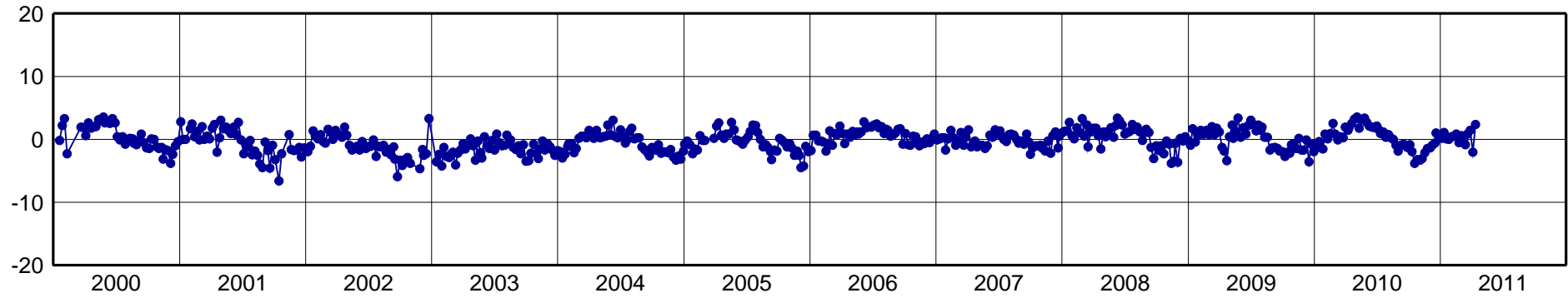


CUEC-Up Component [mm]

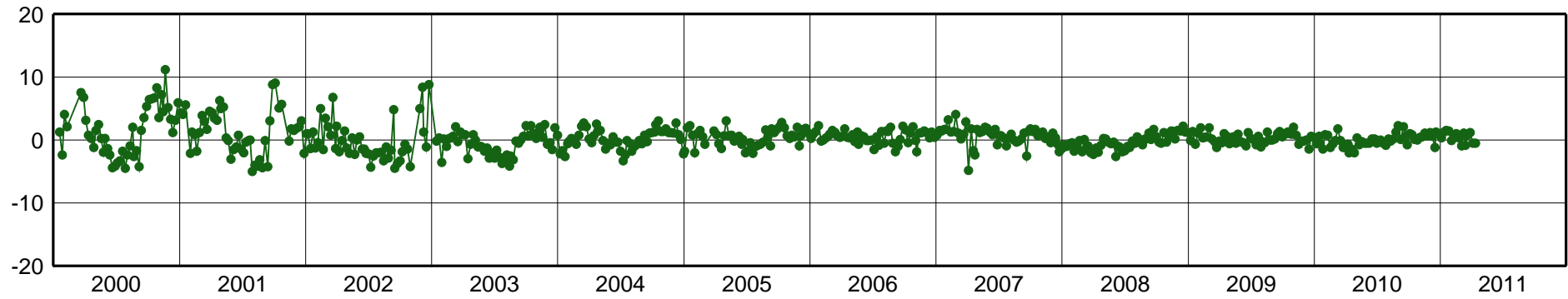


CUIB-North Component [mm]

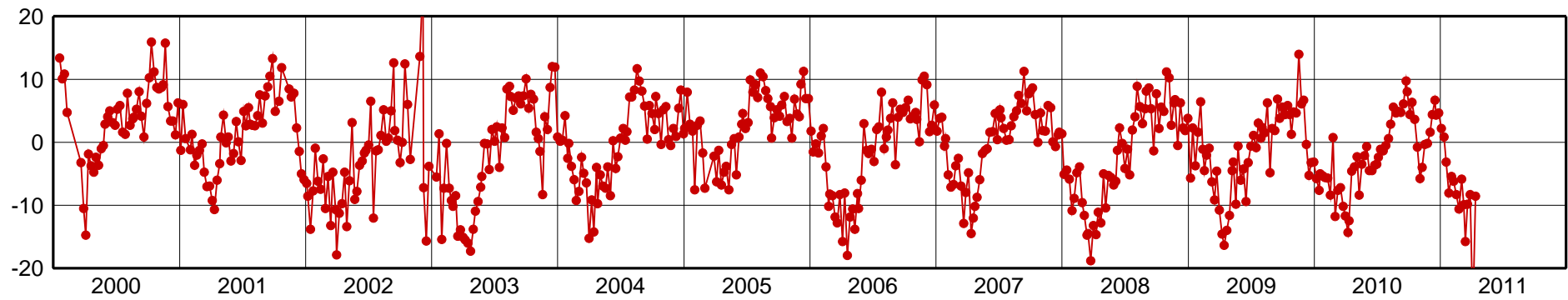
○ SIRGAS Analysis Centre at DGFI



CUIB-East Component [mm]

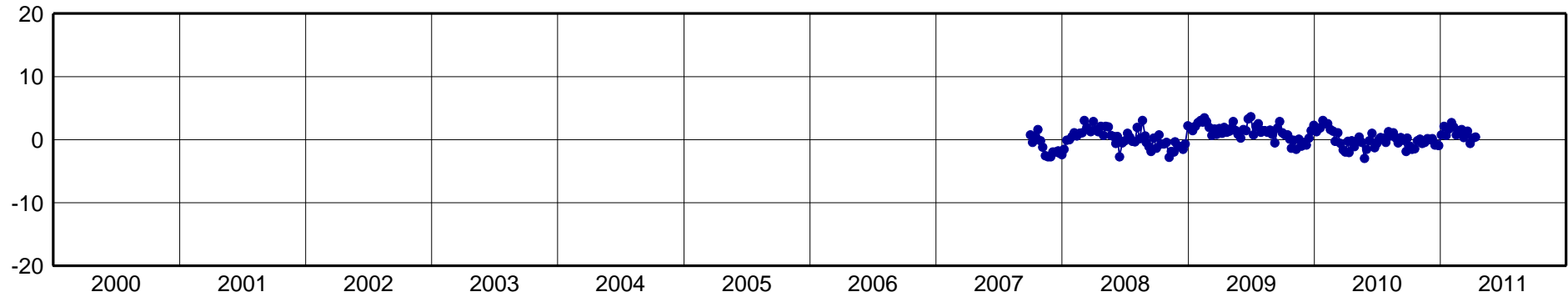


CUIB-Up Component [mm]

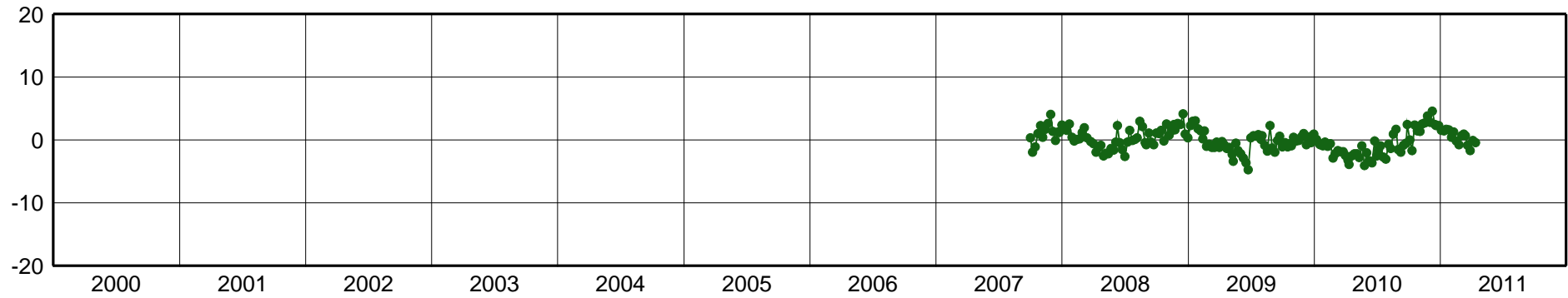


CULC-North Component [mm]

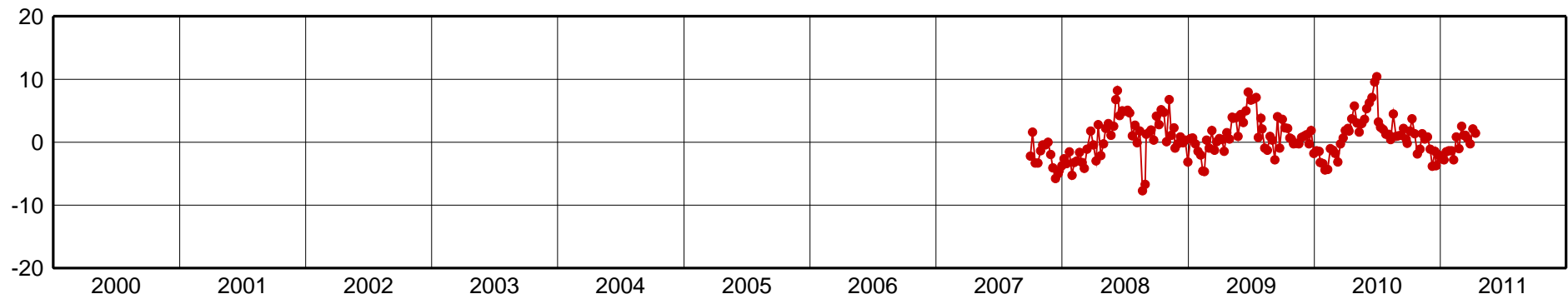
○ SIRGAS Analysis Centre at DGFI



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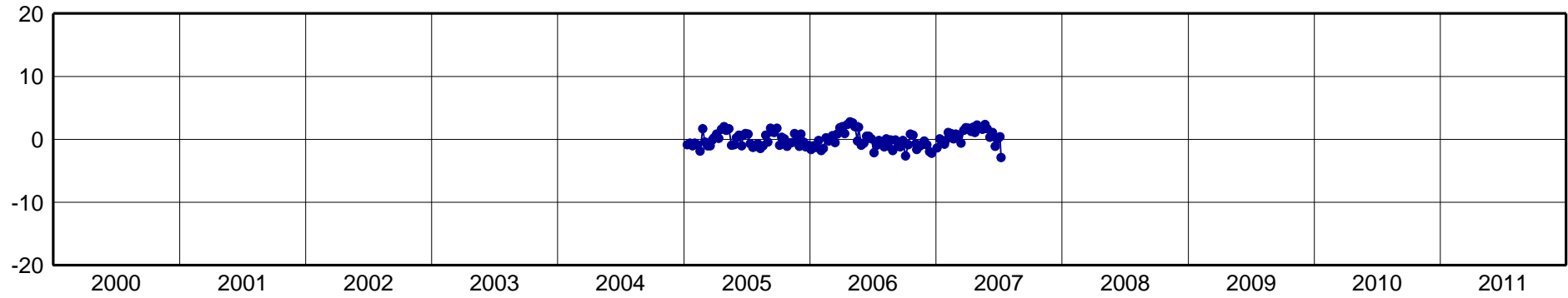


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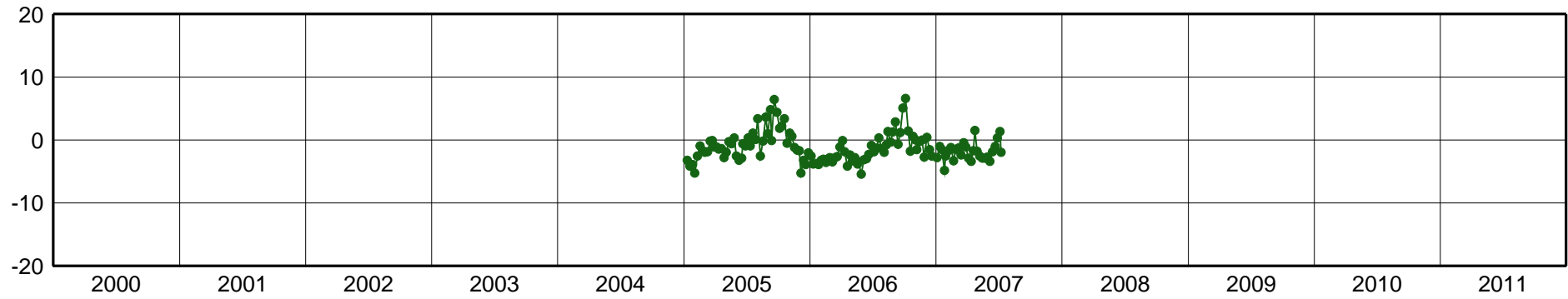


CULI-North Component [mm]

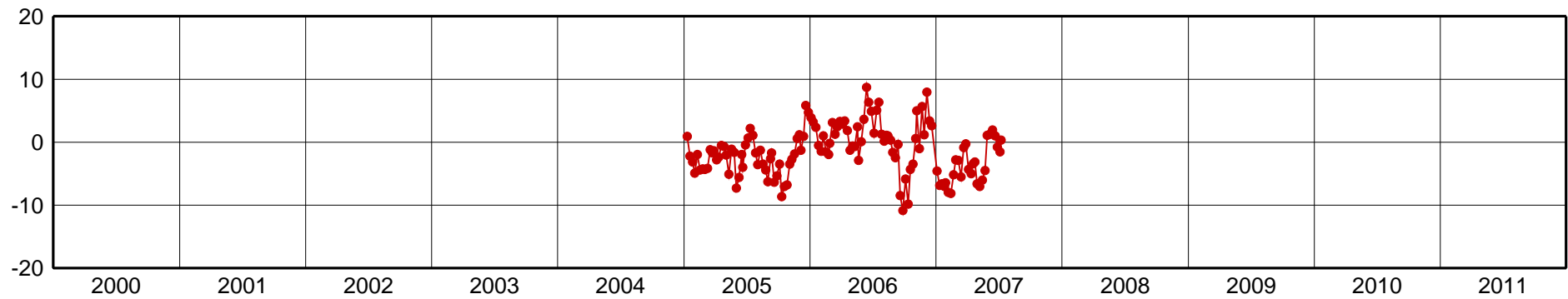
○ SIRGAS Analysis Centre at DGFI



CULI-East Component [mm]

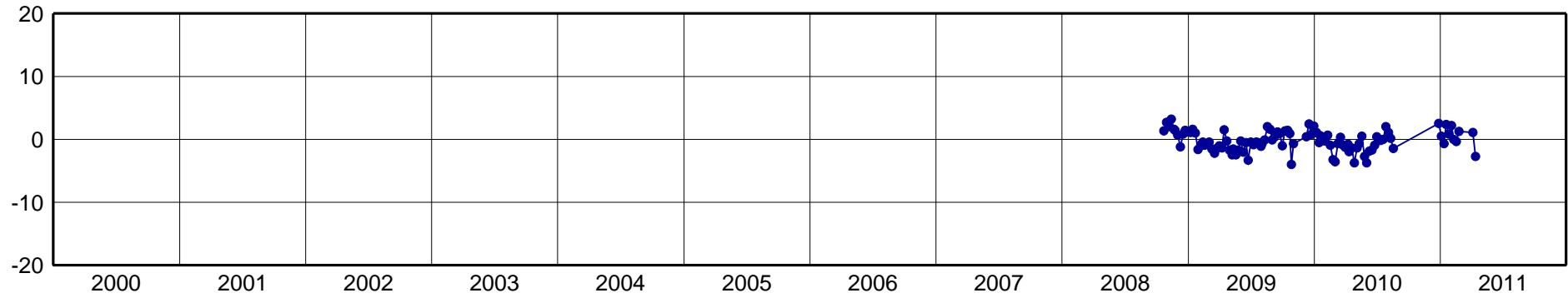


CULI-Up Component [mm]

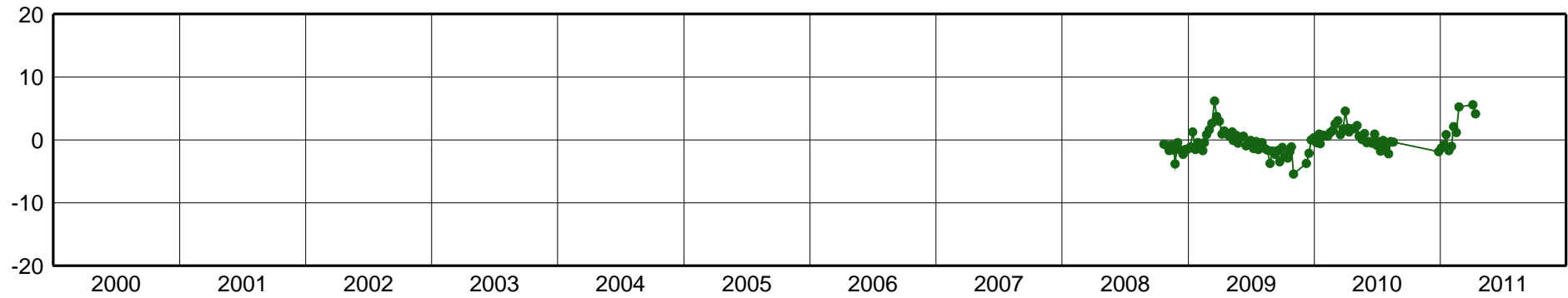


DAVI-North Component [mm]

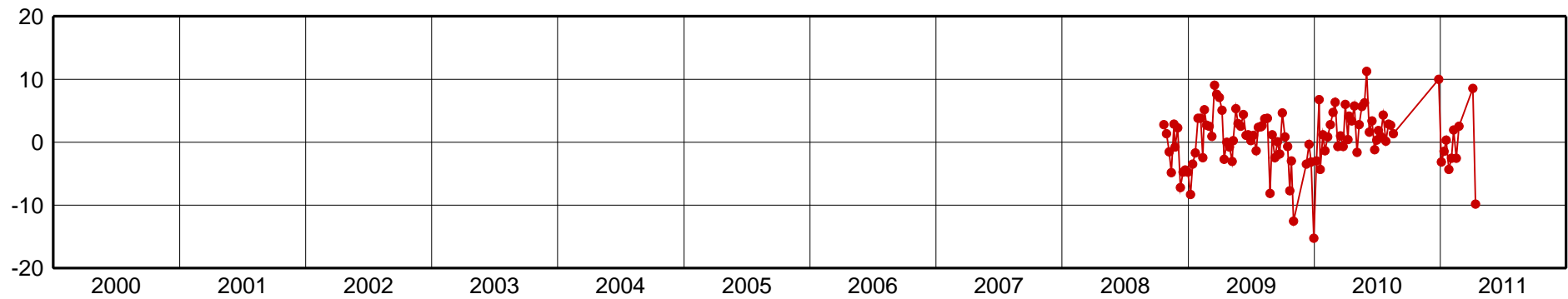
○ SIRGAS Analysis Centre at DGFI



DAVI-East Component [mm]



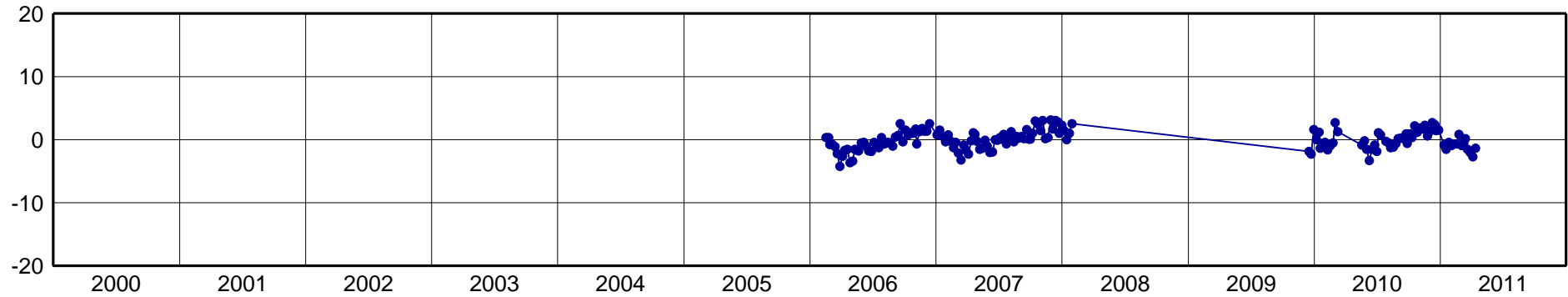
DAVI-Up Component [mm]



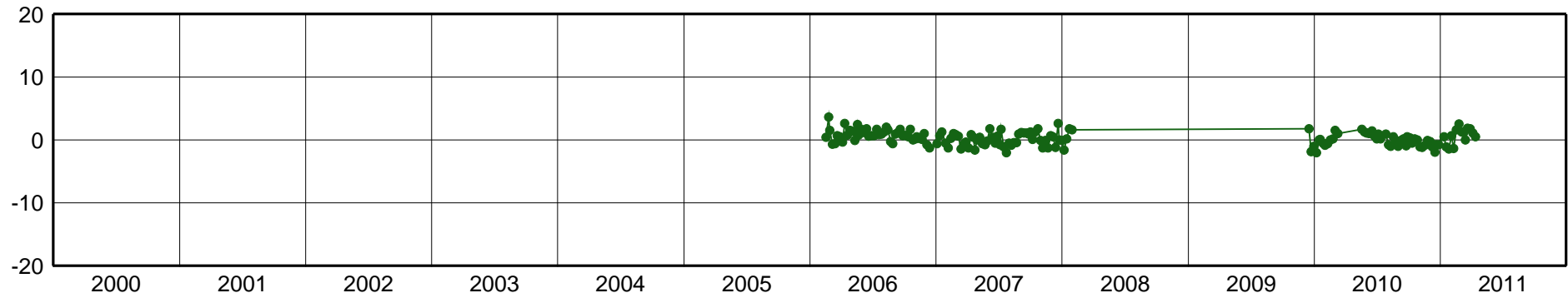


DORA-North Component [mm]

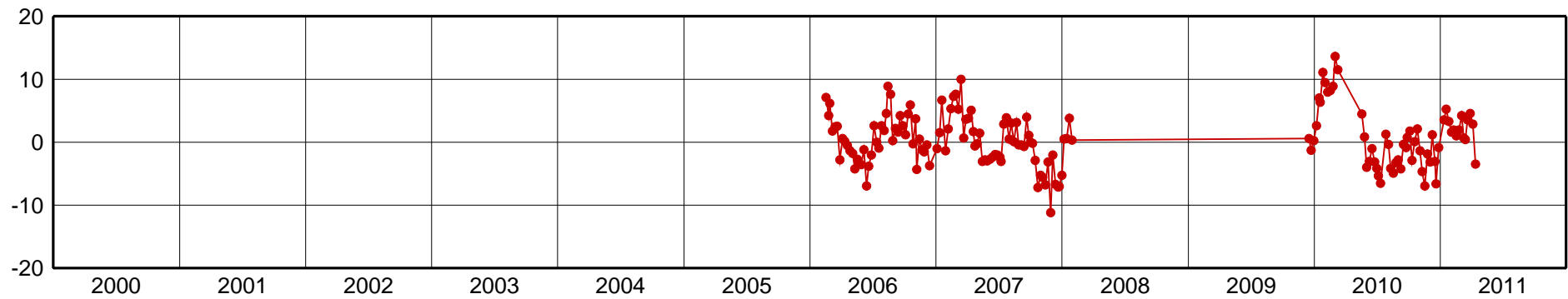
○ SIRGAS Analysis Centre at DGFI



DORA-East Component [mm]

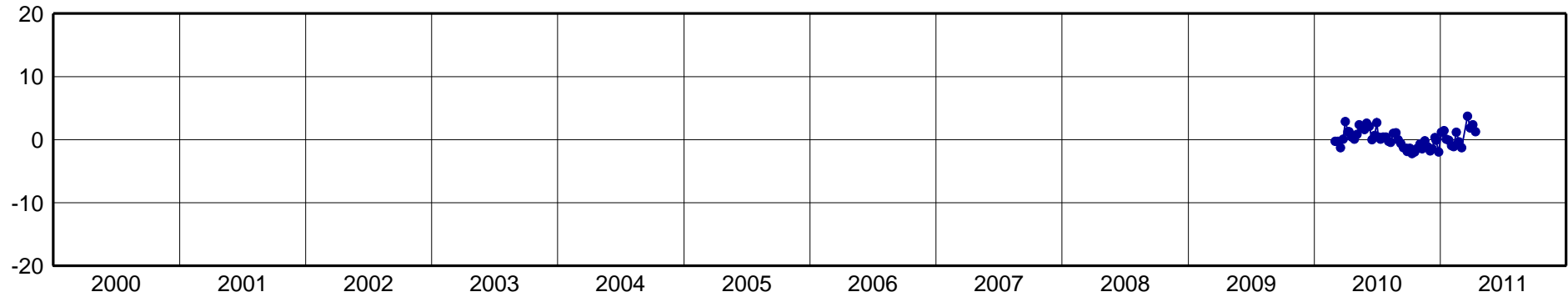


DORA-Up Component [mm]

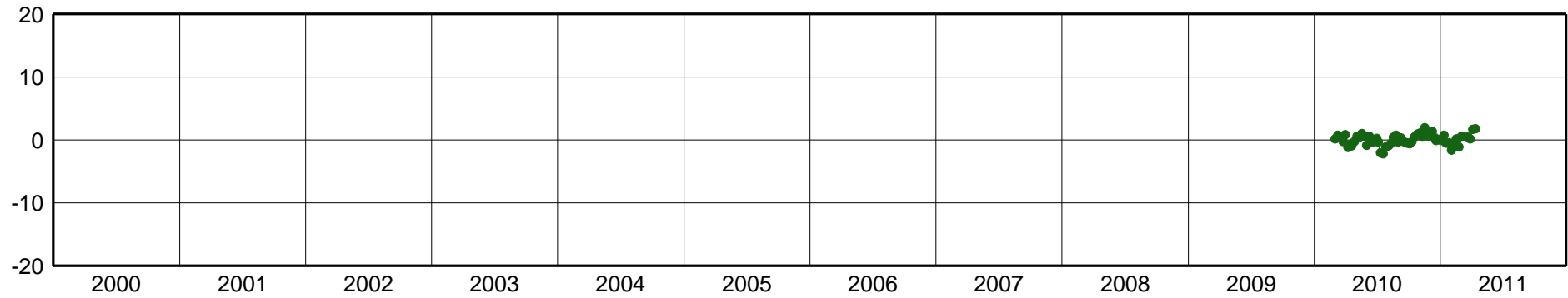


EBYP-North Component [mm]

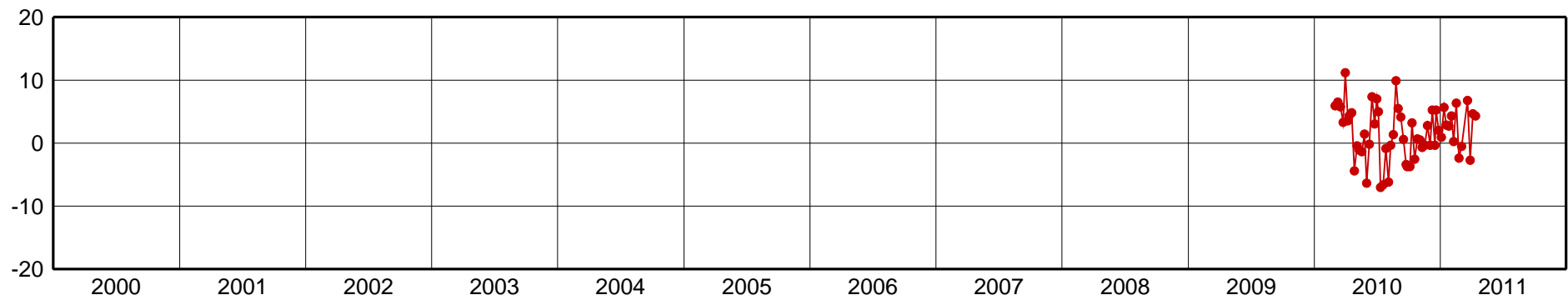
○ SIRGAS Analysis Centre at DGFI



EBYP-East Component [mm]

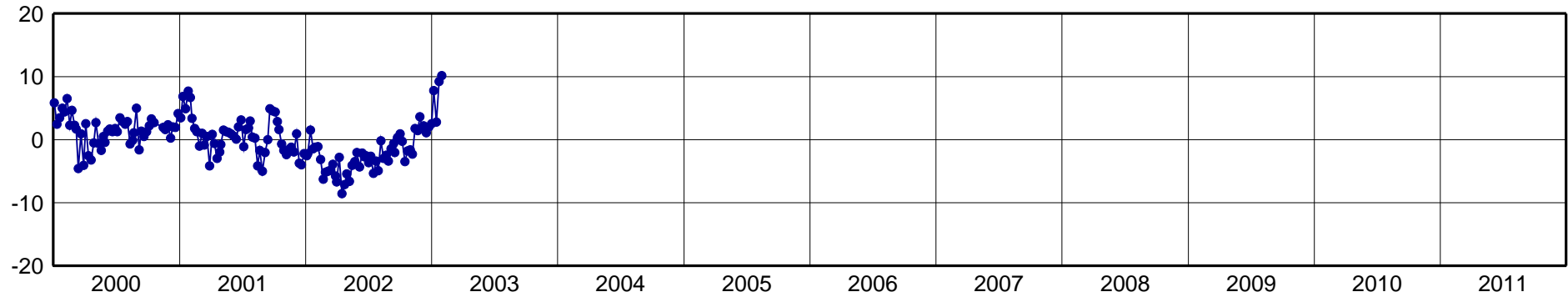


EBYP-Up Component [mm]

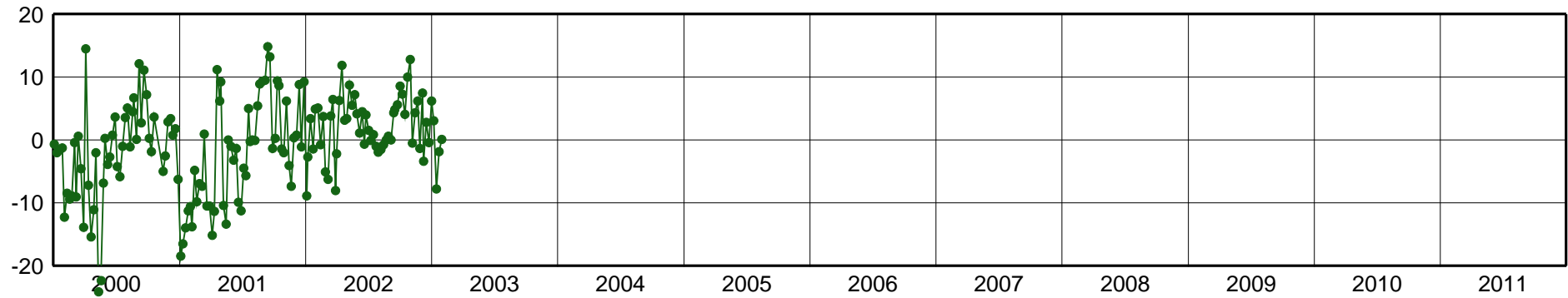


EISL-North Component [mm]

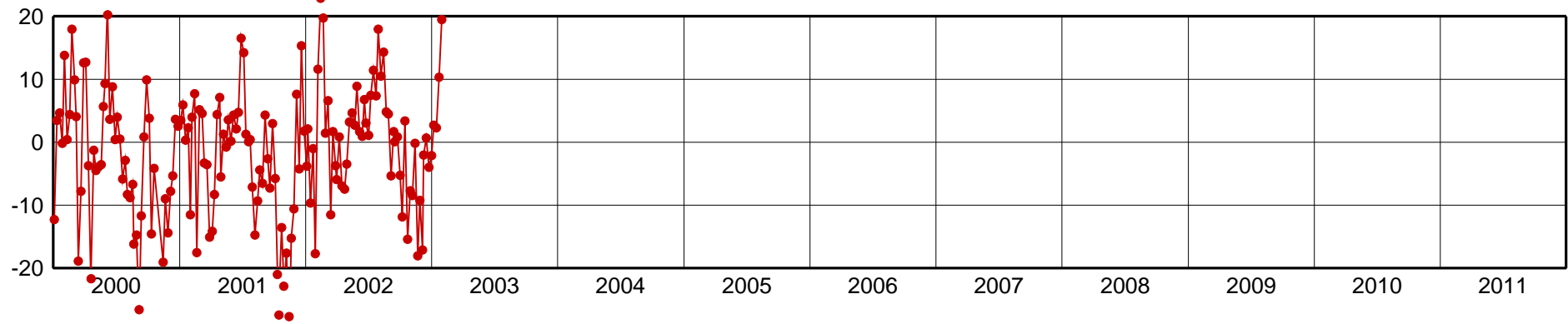
○ SIRGAS Analysis Centre at DGFI



EISL-East Component [mm]

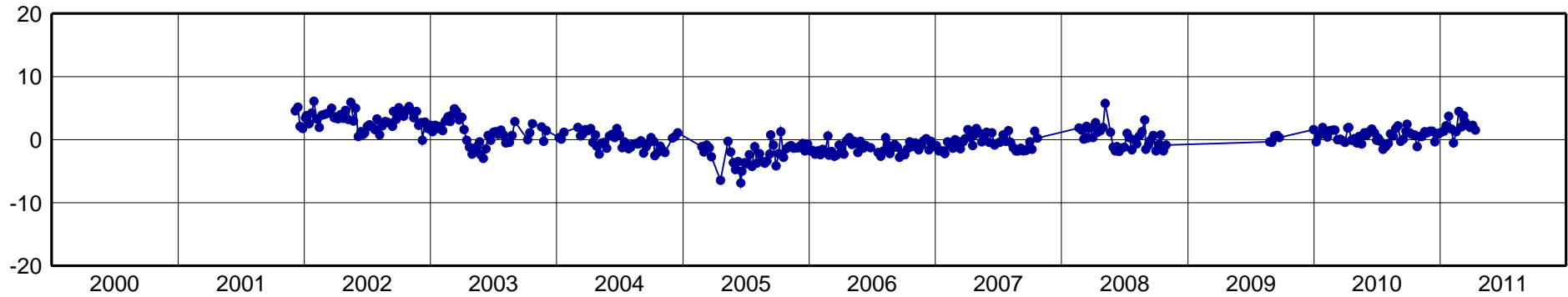


EISL-Up Component [mm]

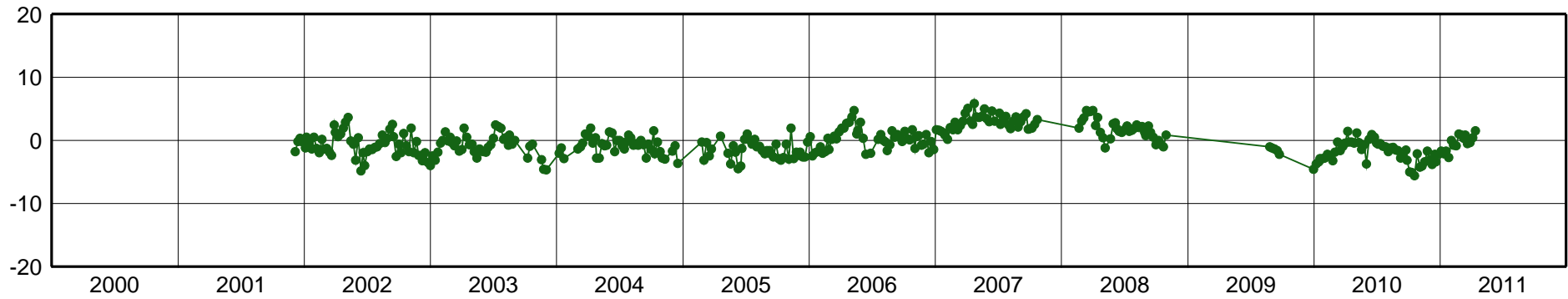


ELEN-North Component [mm]

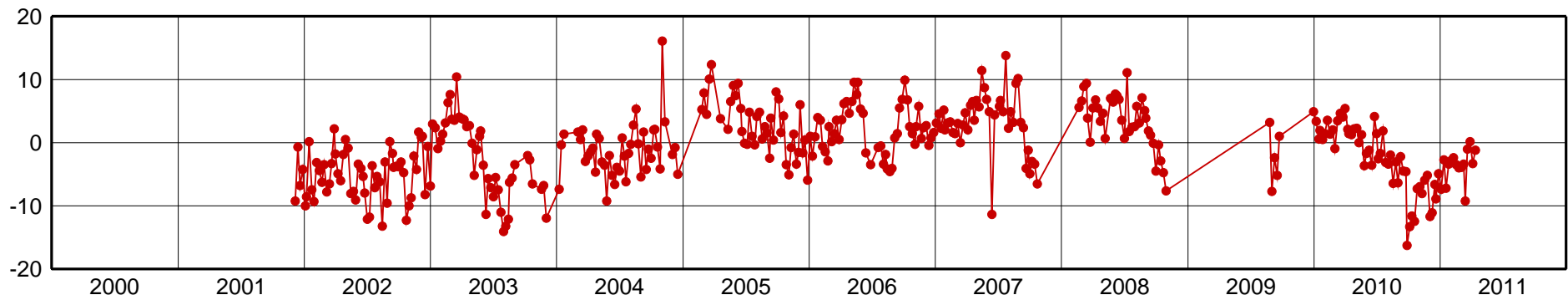
○ SIRGAS Analysis Centre at DGFI



ELEN-East Component [mm]

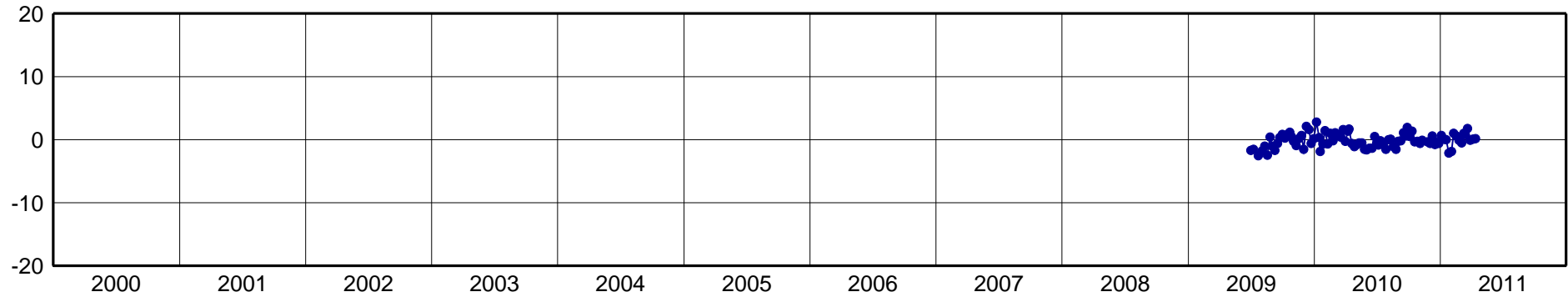


ELEN-Up Component [mm]

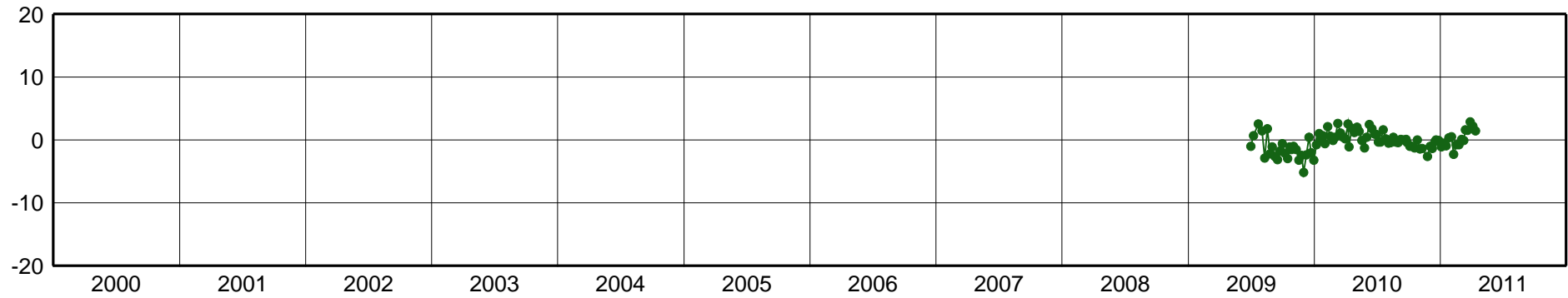


ESMR-North Component [mm]

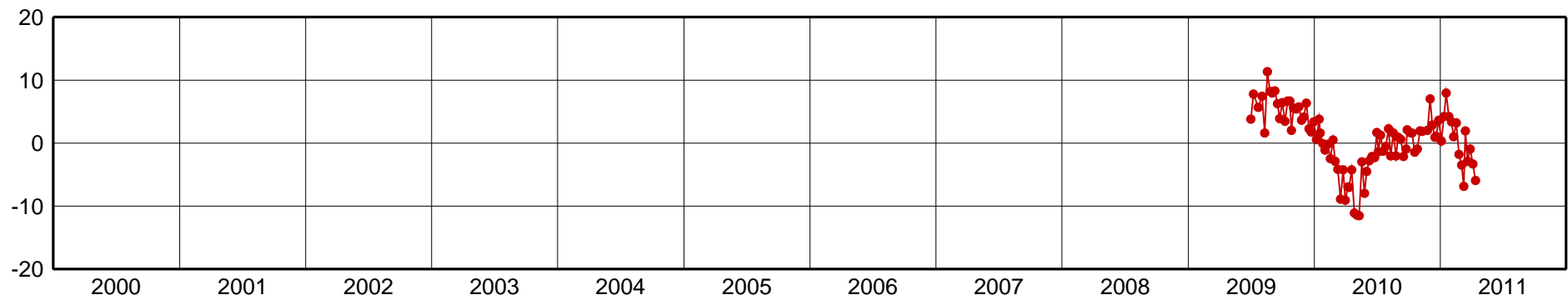
○ SIRGAS Analysis Centre at DGFI



ESMR-East Component [mm]

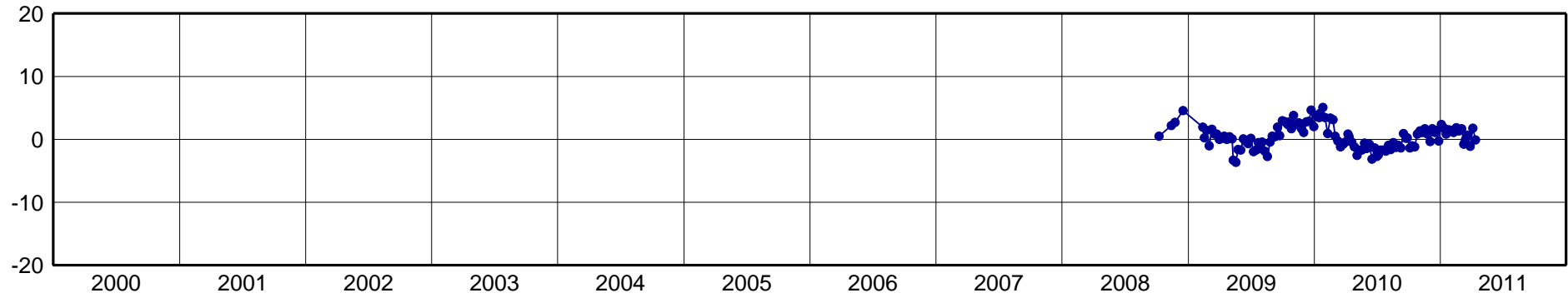


ESMR-Up Component [mm]

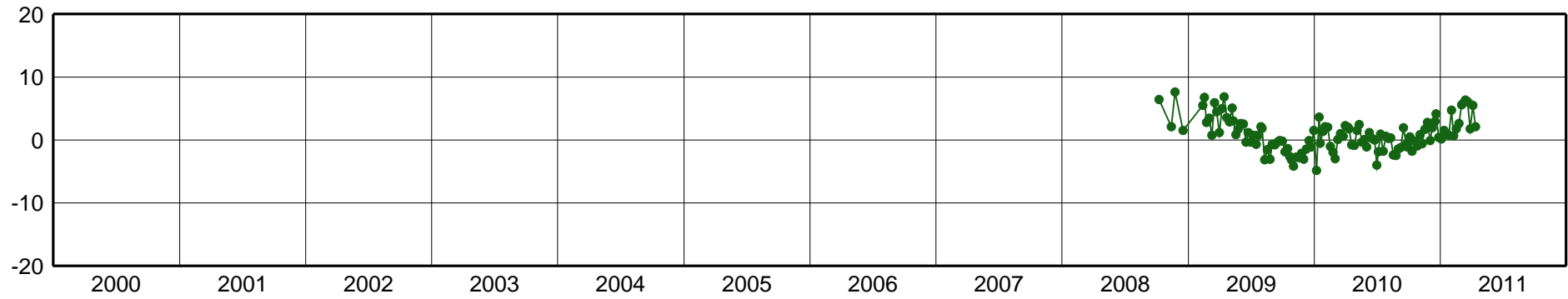


ESQU-North Component [mm]

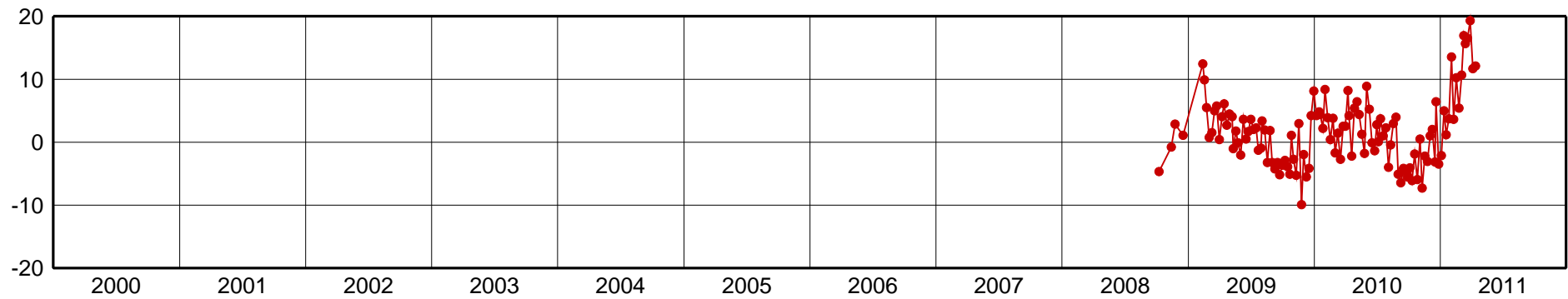
○ SIRGAS Analysis Centre at DGFI



ESQU-East Component [mm]

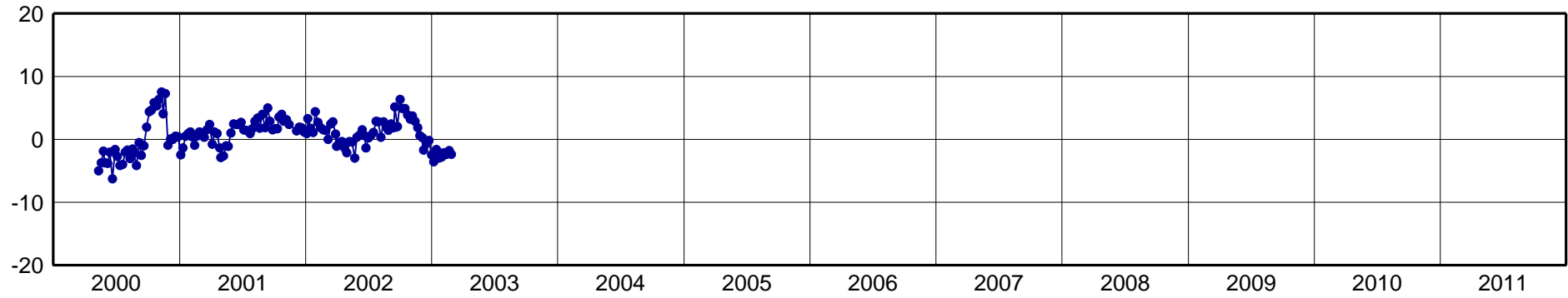


ESQU-Up Component [mm]

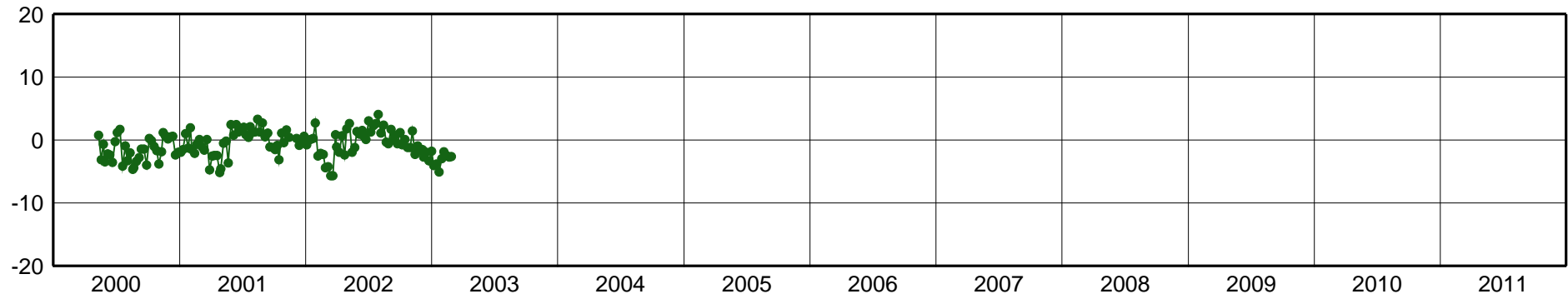


ESTI-North Component [mm]

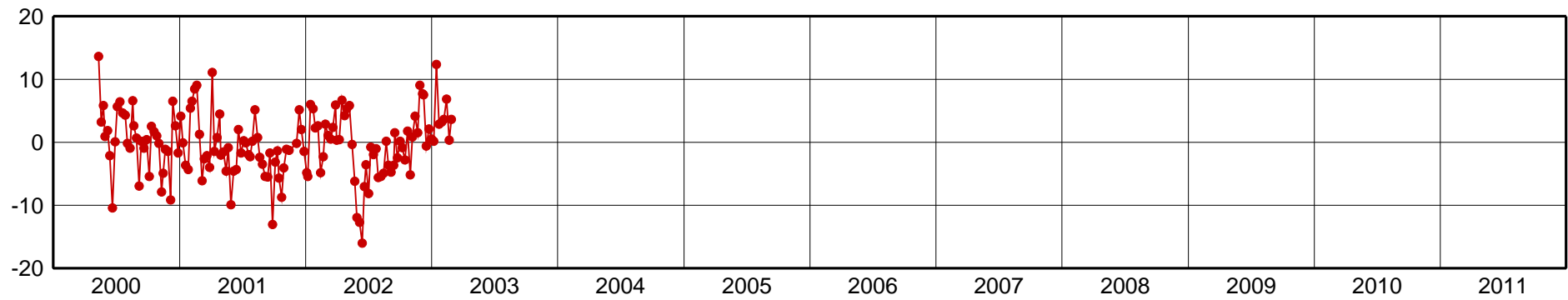
○ SIRGAS Analysis Centre at DGFI



ESTI-East Component [mm]

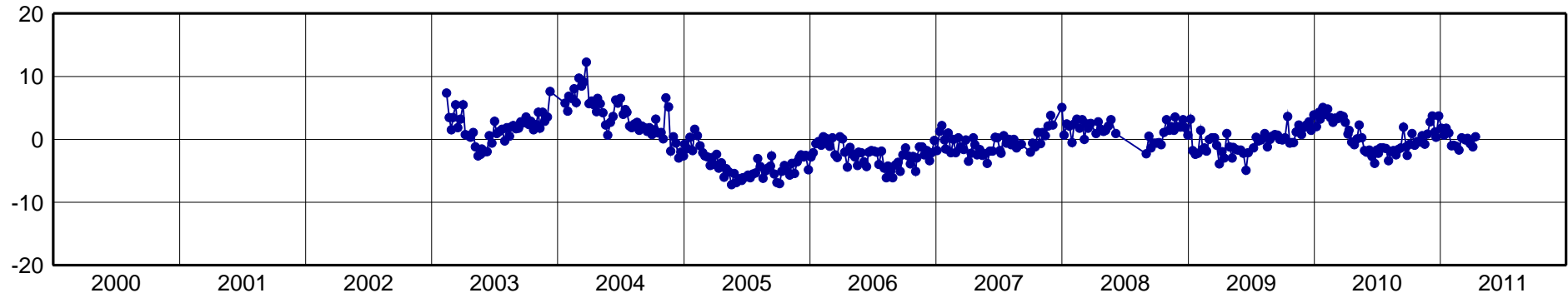


ESTI-Up Component [mm]

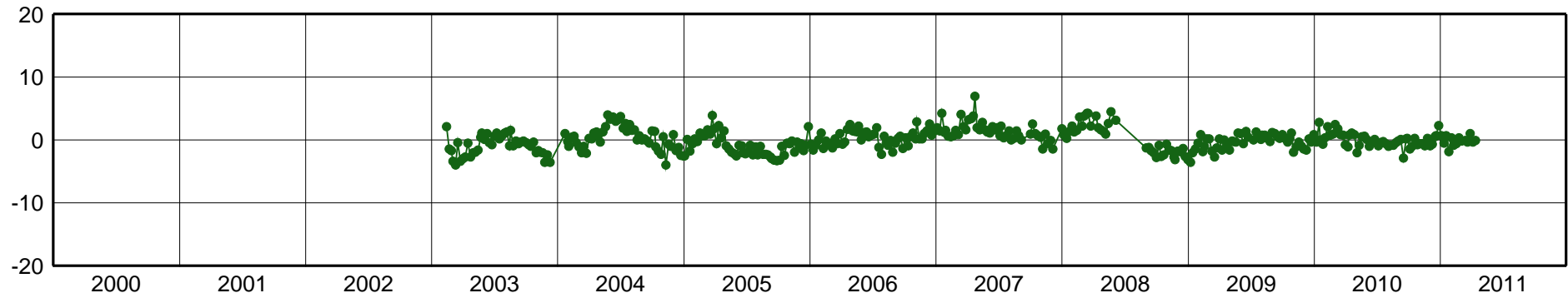


ETCG-North Component [mm]

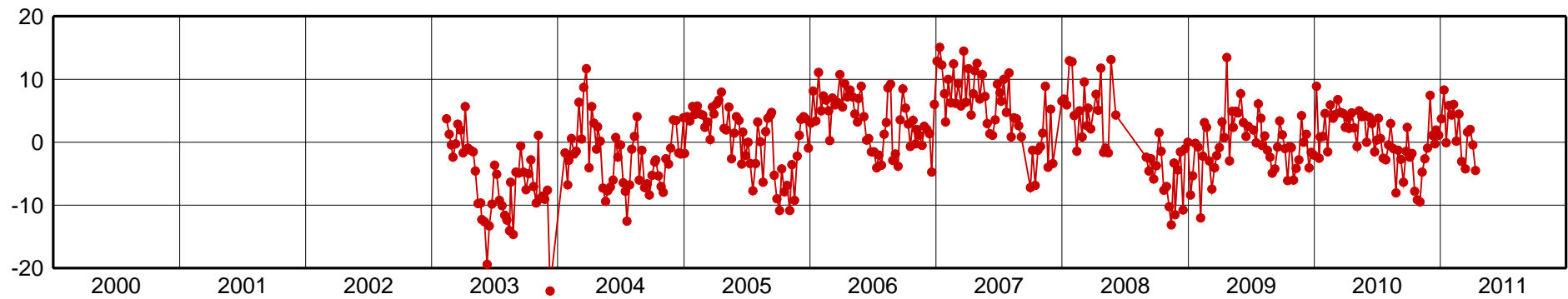
○ SIRGAS Analysis Centre at DGFI



ETCG-East Component [mm]



ETCG-Up Component [mm]

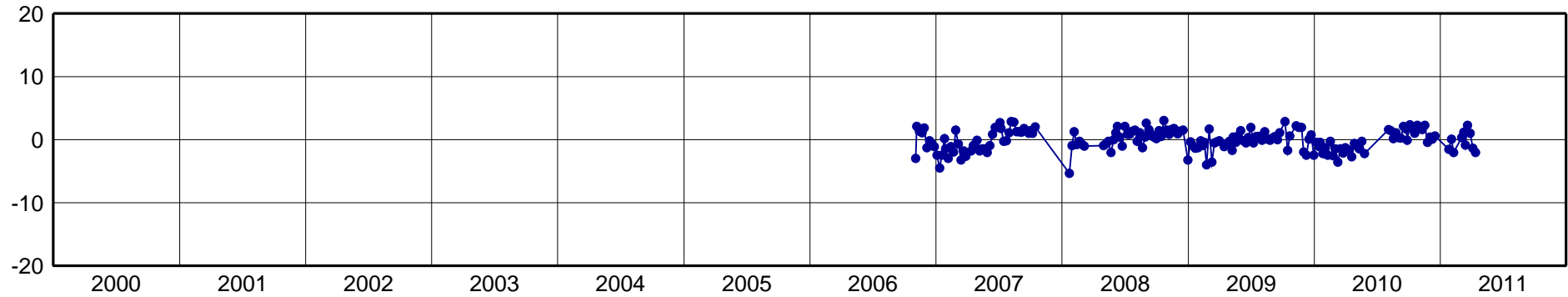




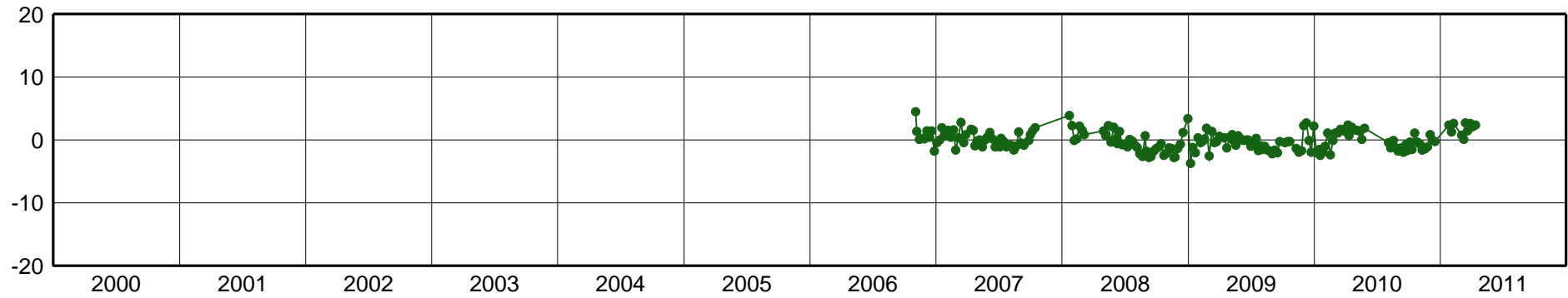


FLOR-North Component [mm]

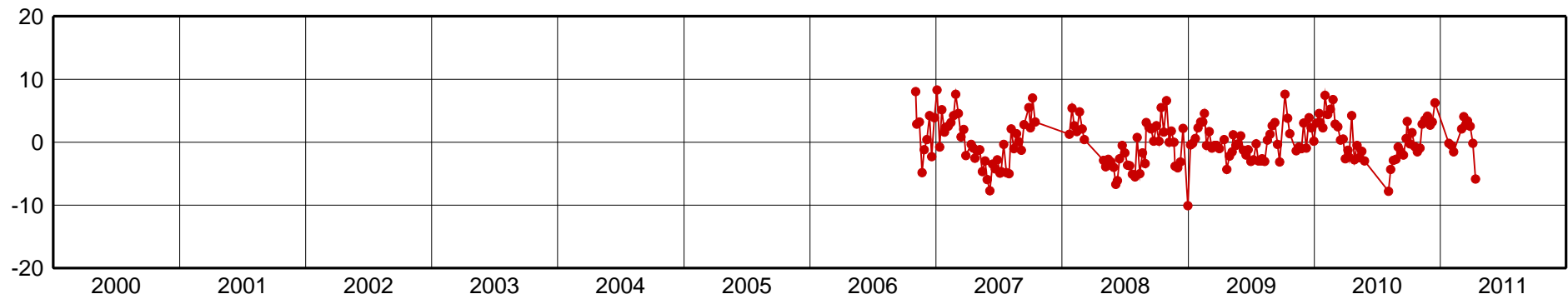
○ SIRGAS Analysis Centre at DGFI



FLOR-East Component [mm]

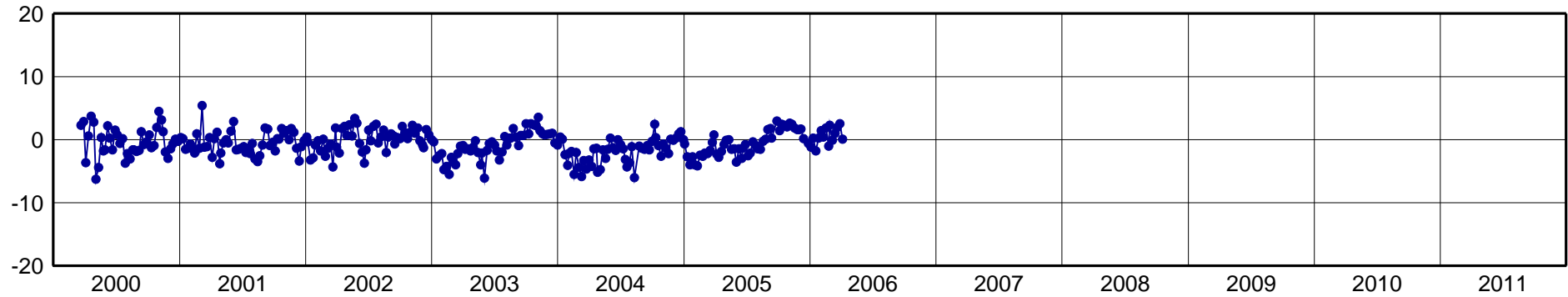


FLOR-Up Component [mm]

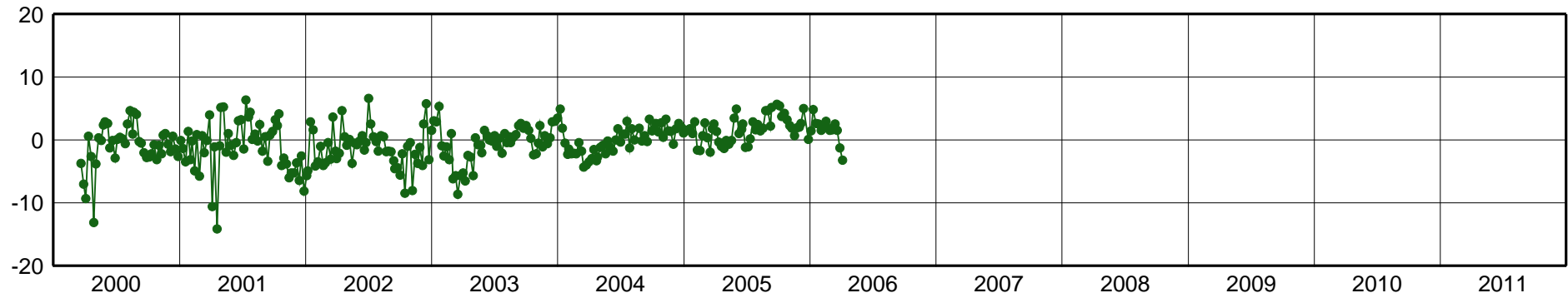


FORT-North Component [mm]

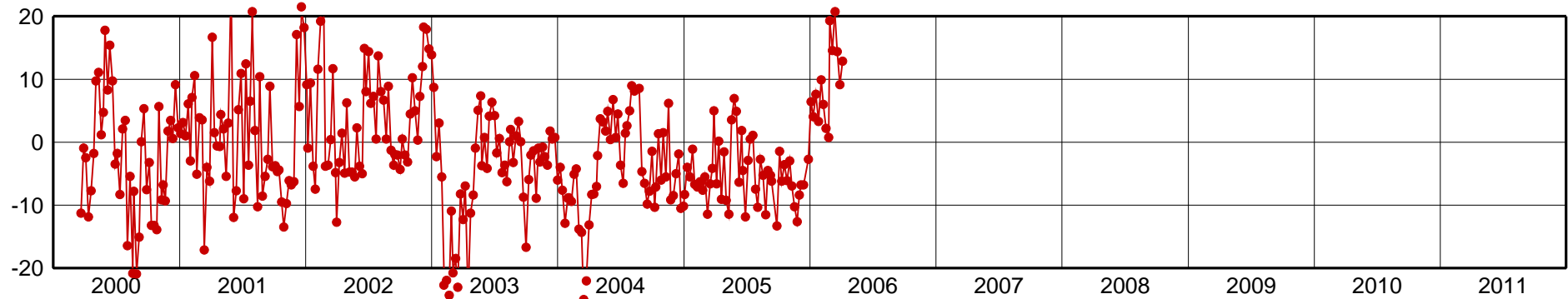
○ SIRGAS Analysis Centre at DGFI



FORT-East Component [mm]

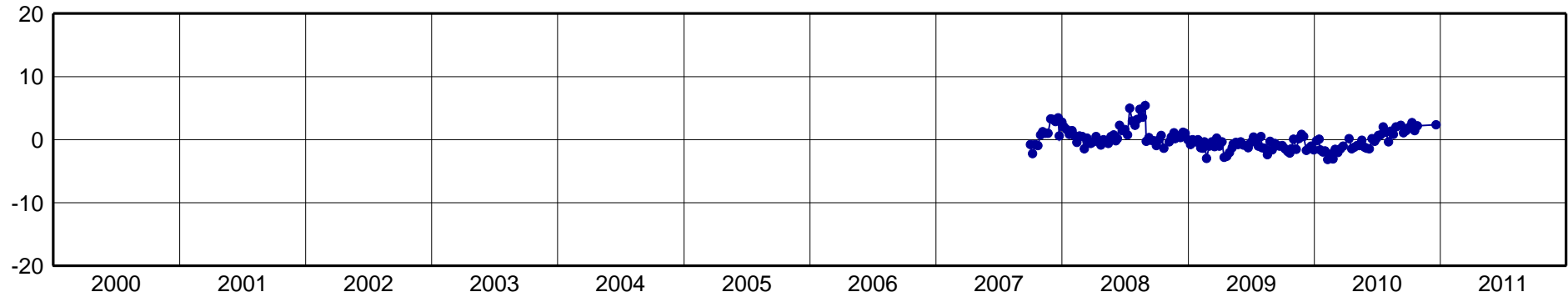


FORT-Up Component [mm]

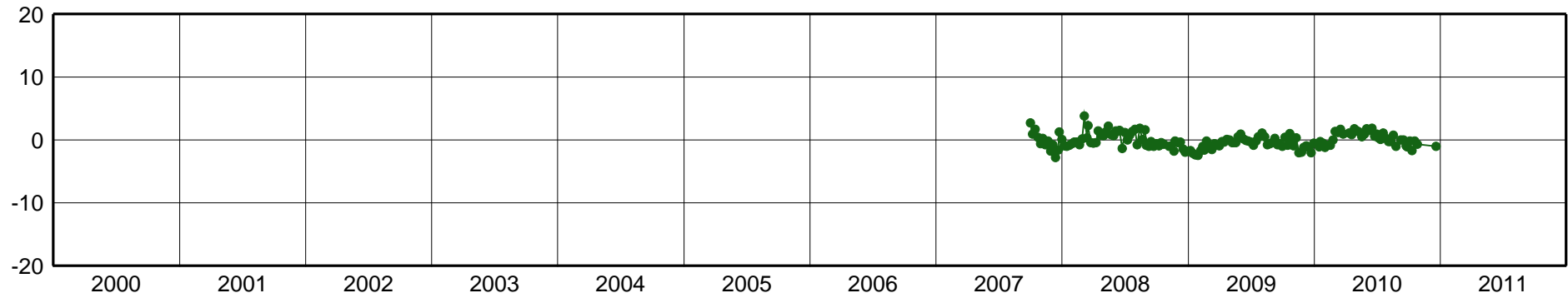


FQNE-North Component [mm]

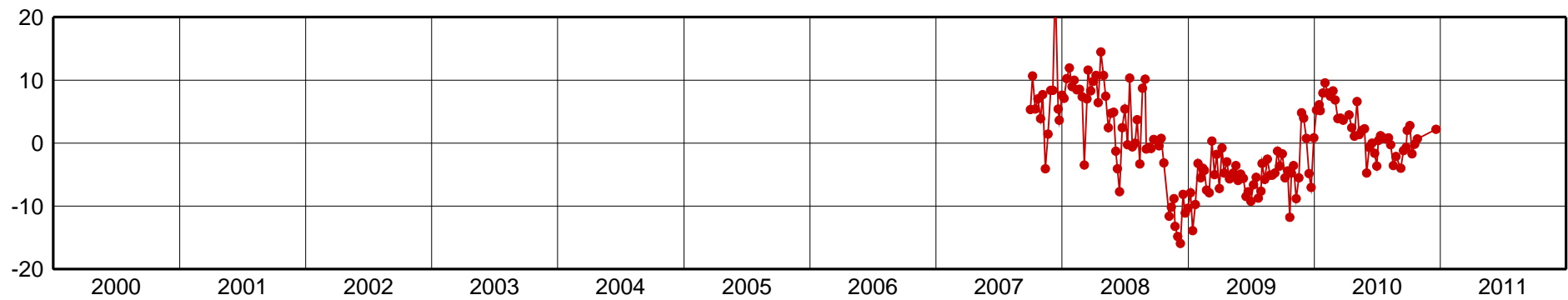
○ SIRGAS Analysis Centre at DGFI



FQNE-East Component [mm]

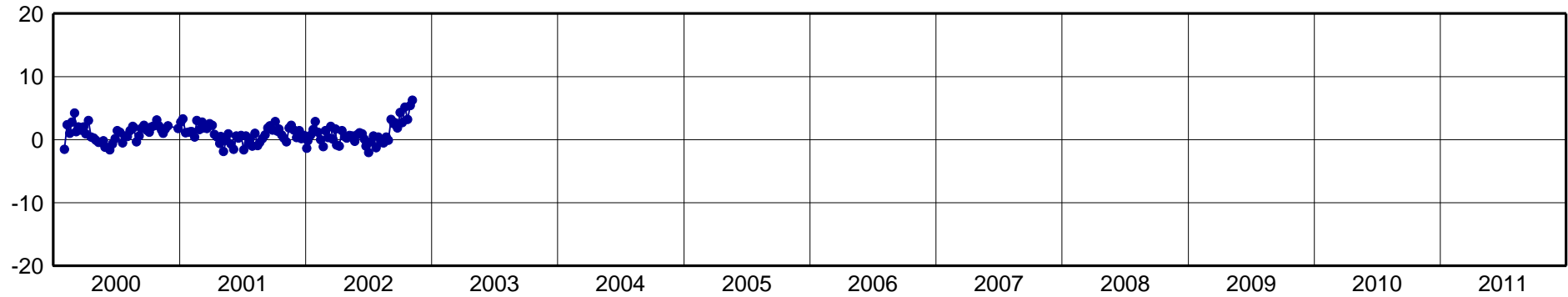


FQNE-Up Component [mm]

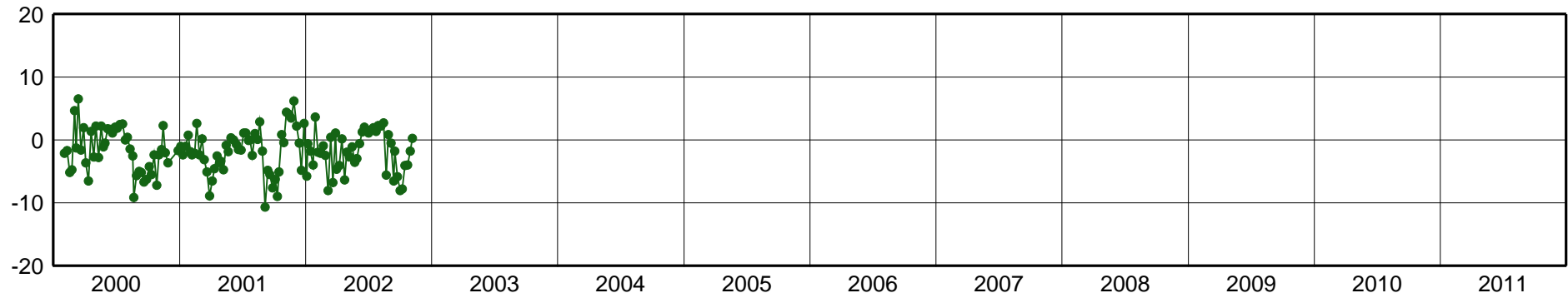


GALA-North Component [mm]

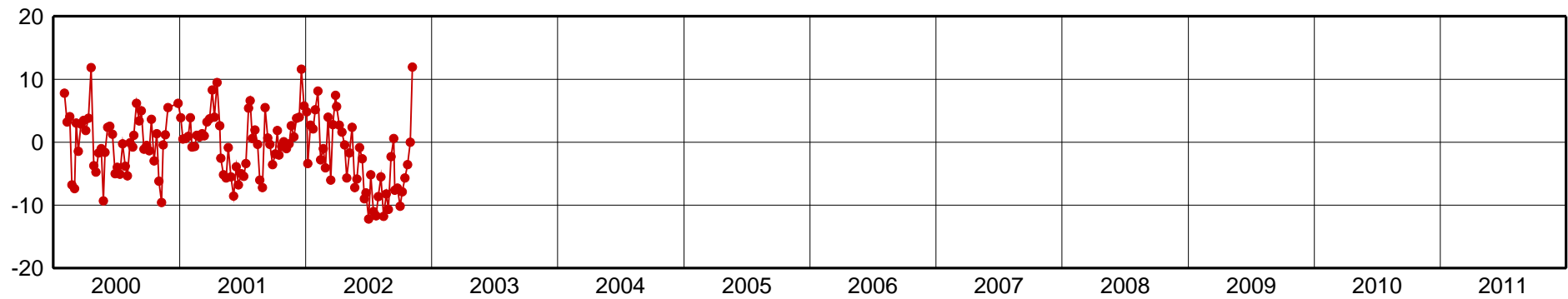
○ SIRGAS Analysis Centre at DGFI



GALA-East Component [mm]

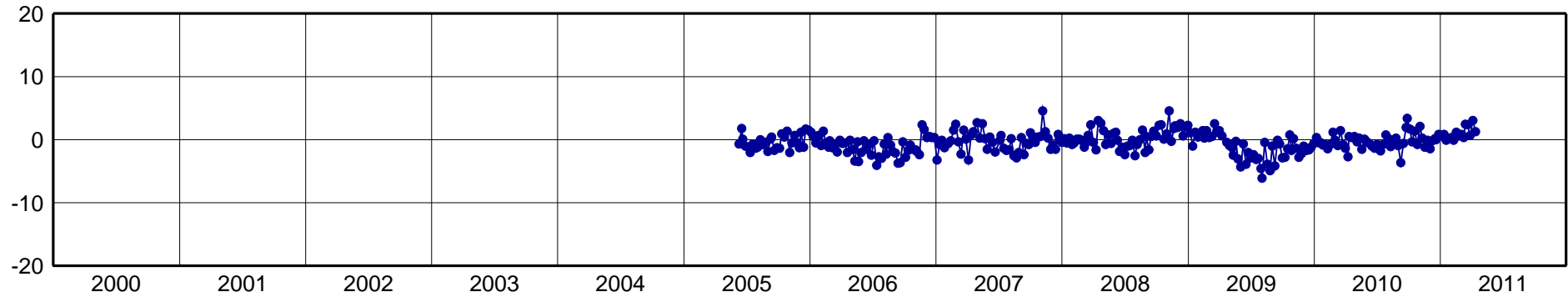


GALA-Up Component [mm]

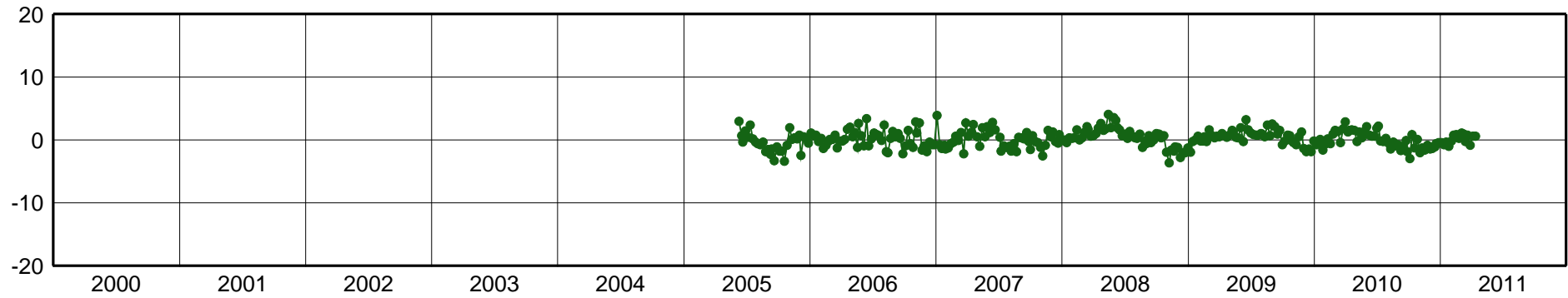


GCGT-North Component [mm]

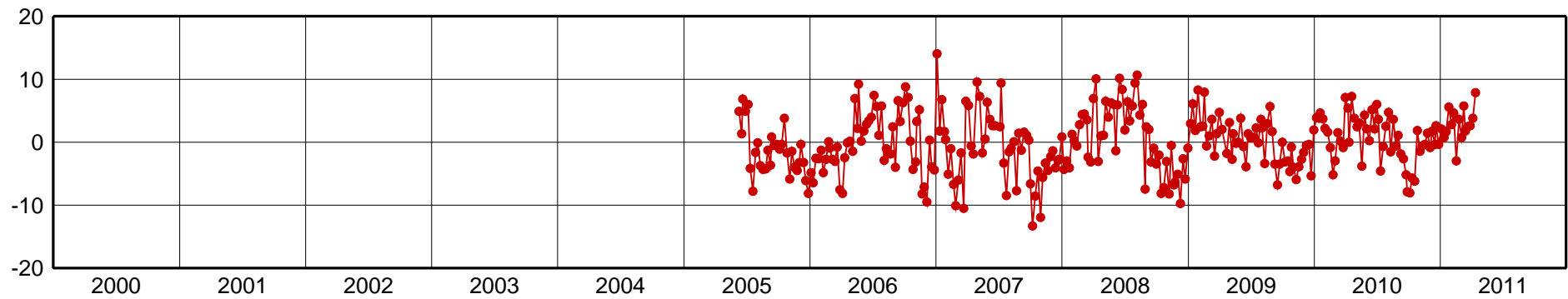
○ SIRGAS Analysis Centre at DGFI



GCGT-East Component [mm]

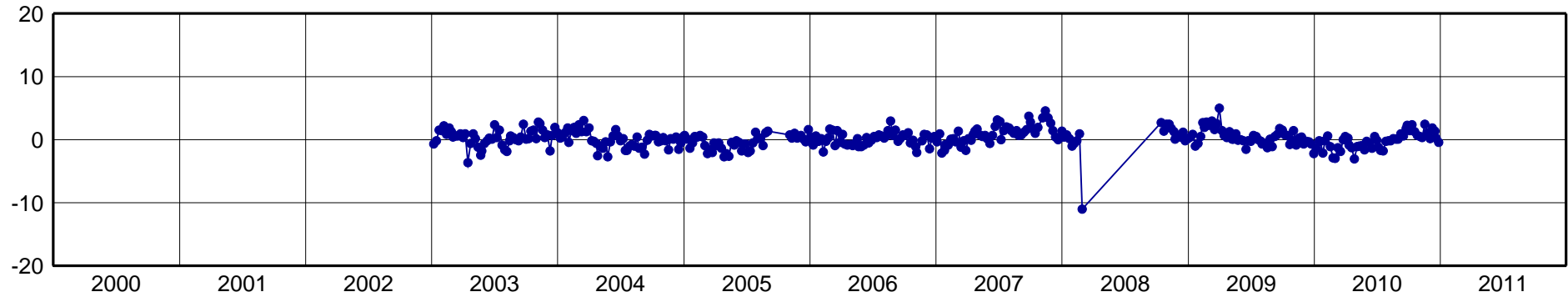


GCGT-Up Component [mm]

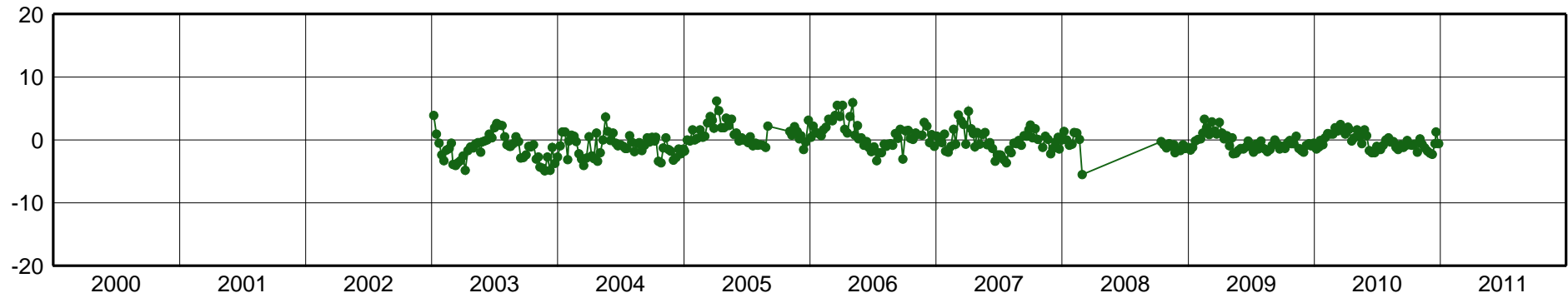


GLPS-North Component [mm]

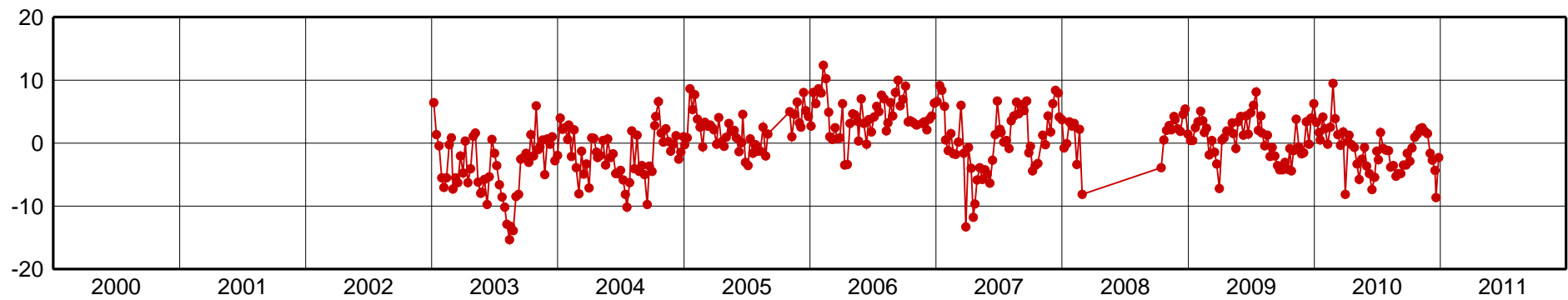
○ SIRGAS Analysis Centre at DGFI



GLPS-East Component [mm]

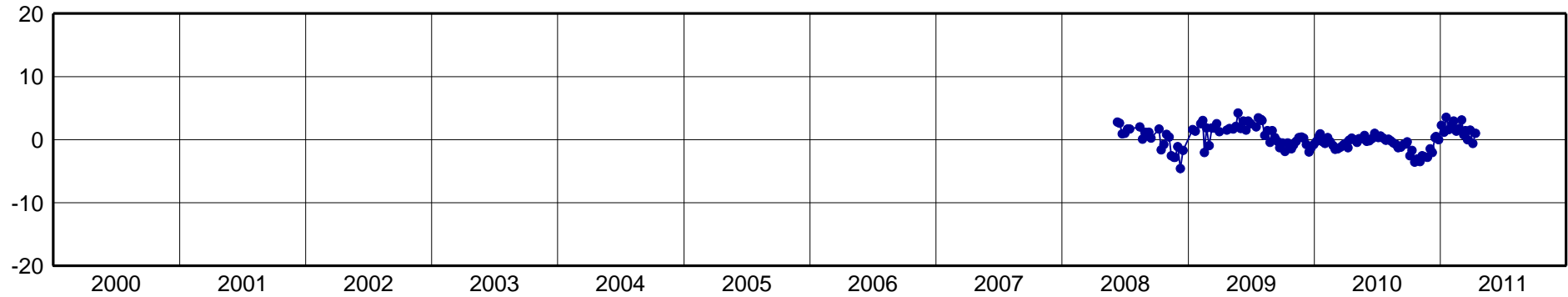


GLPS-Up Component [mm]

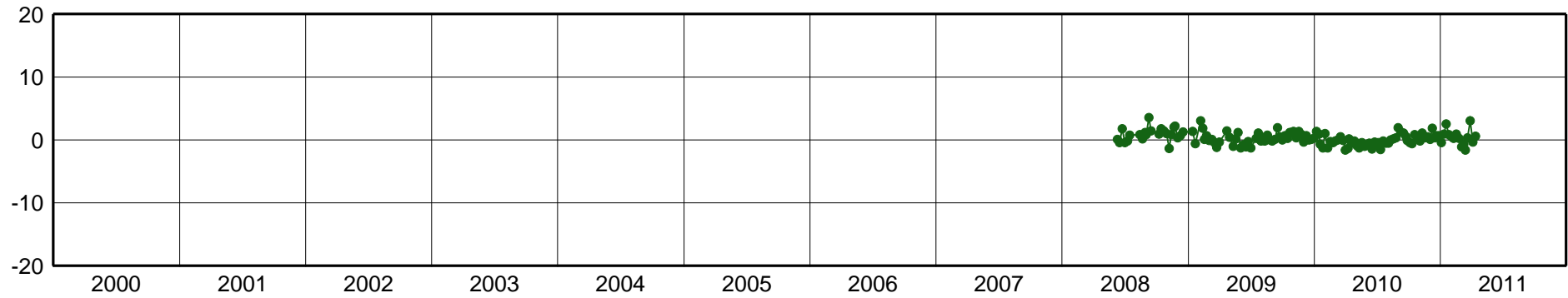


GOJA-North Component [mm]

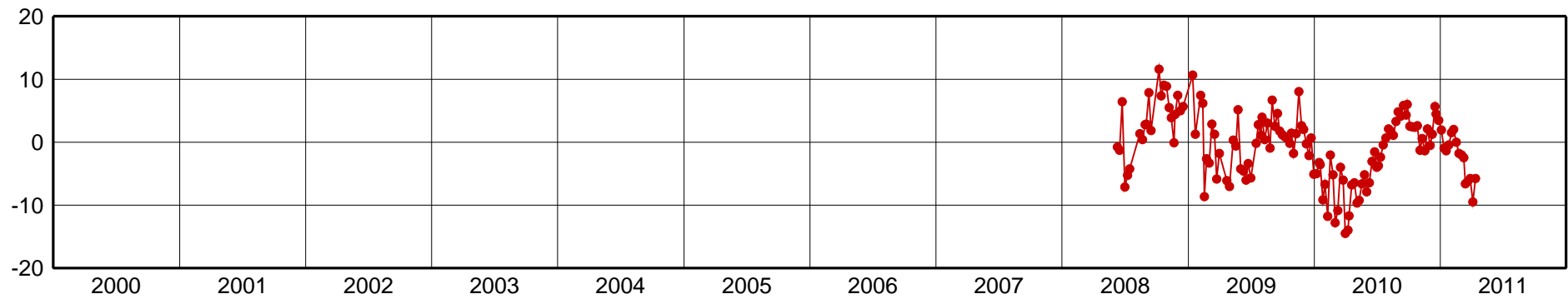
○ SIRGAS Analysis Centre at DGFI



GOJA-East Component [mm]



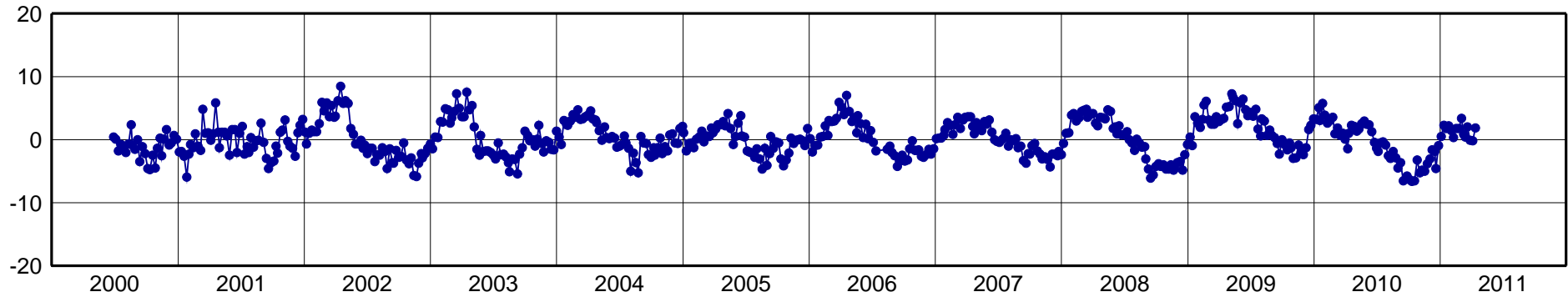
GOJA-Up Component [mm]



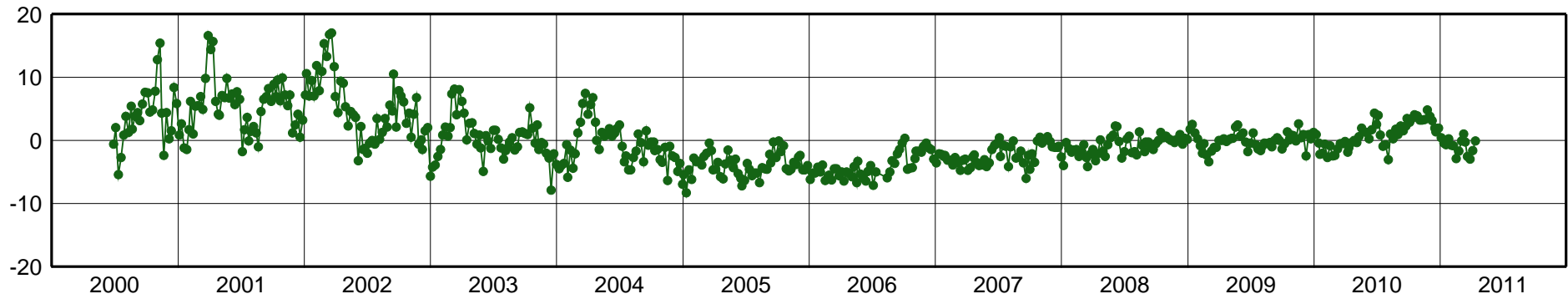


GOLD-North Component [mm]

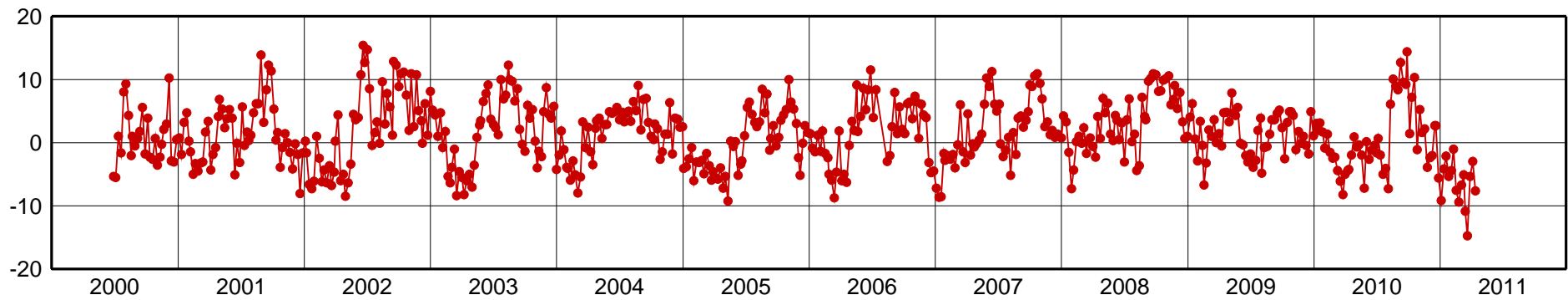
○ SIRGAS Analysis Centre at DGFI



GOLD-East Component [mm]

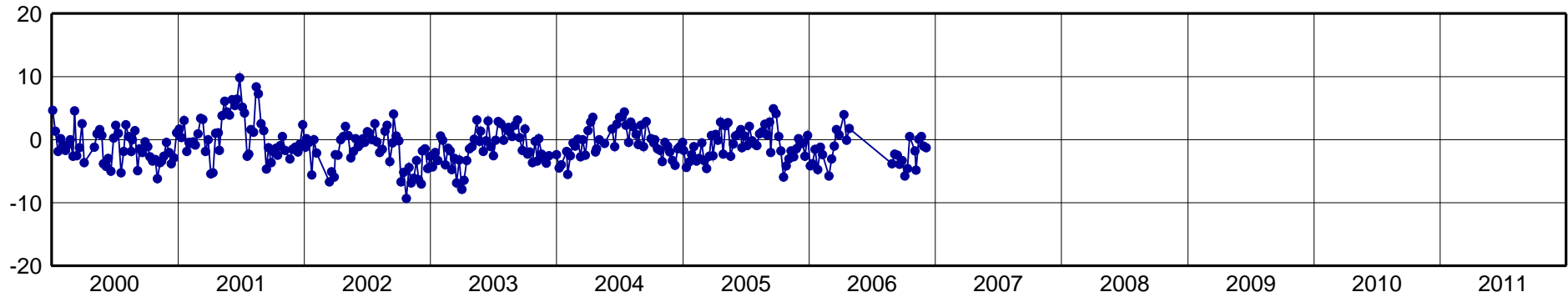


GOLD-Up Component [mm]

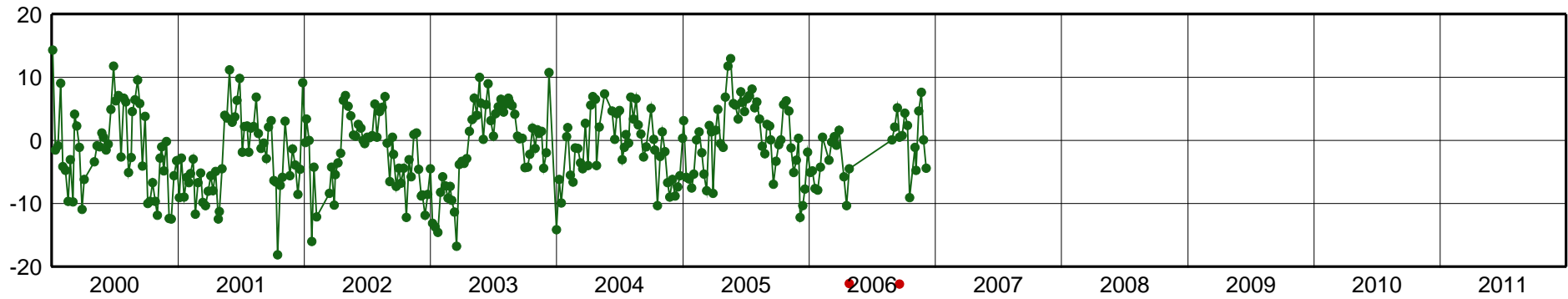


Goug-North Component [mm]

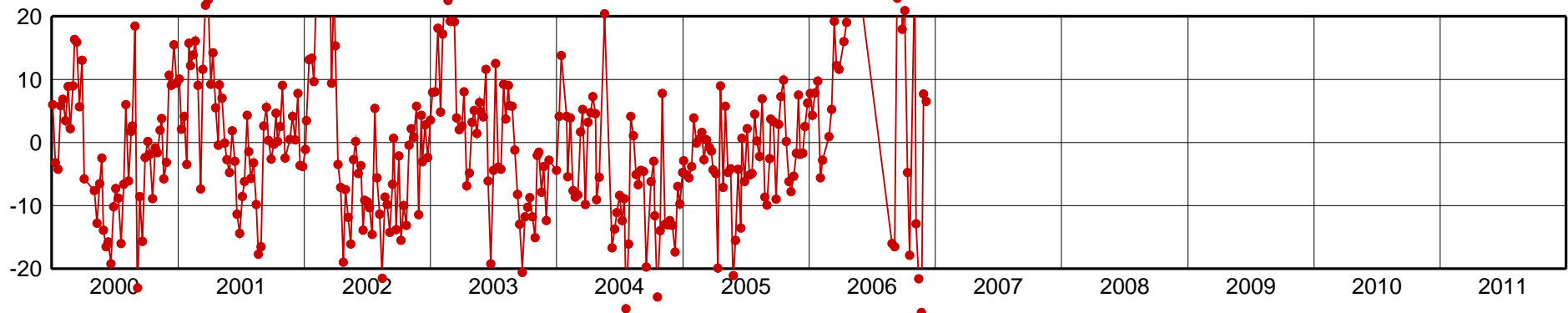
○ SIRGAS Analysis Centre at DGFI



Goug-East Component [mm]

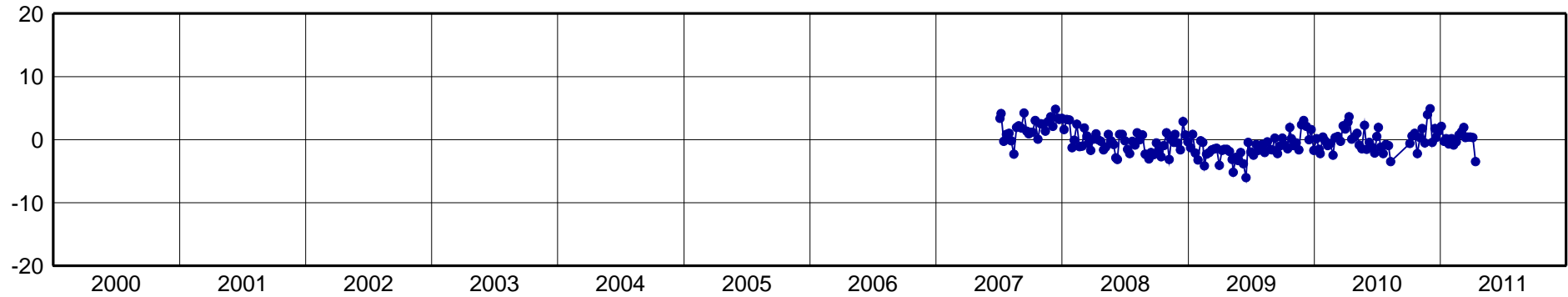


Goug-Up Component [mm]

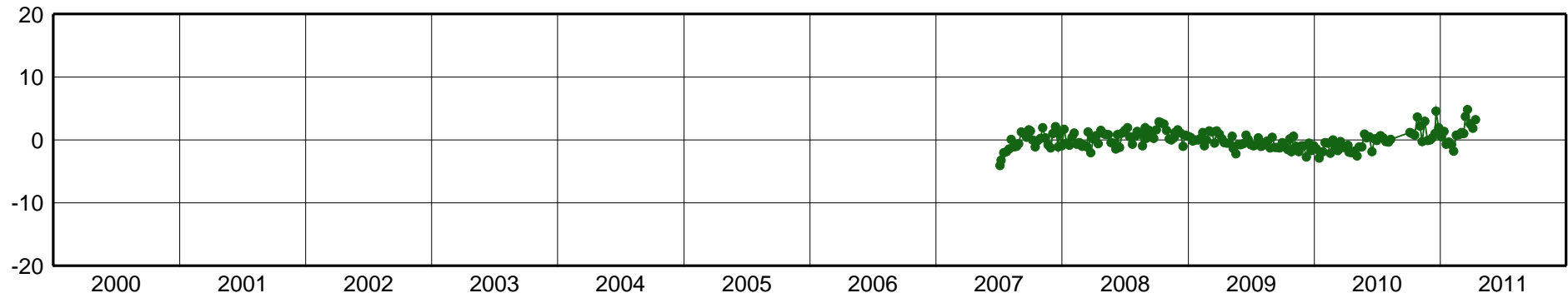


GRE0-North Component [mm]

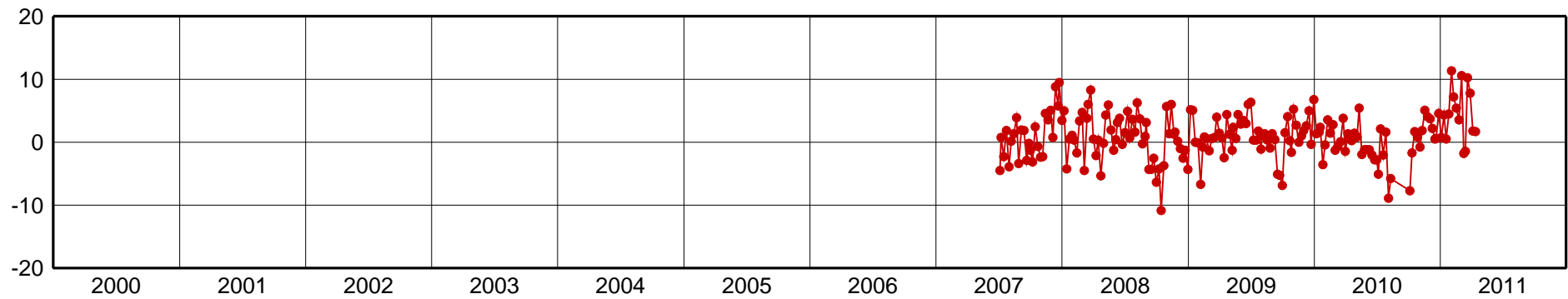
○ SIRGAS Analysis Centre at DGFI



GRE0-East Component [mm]

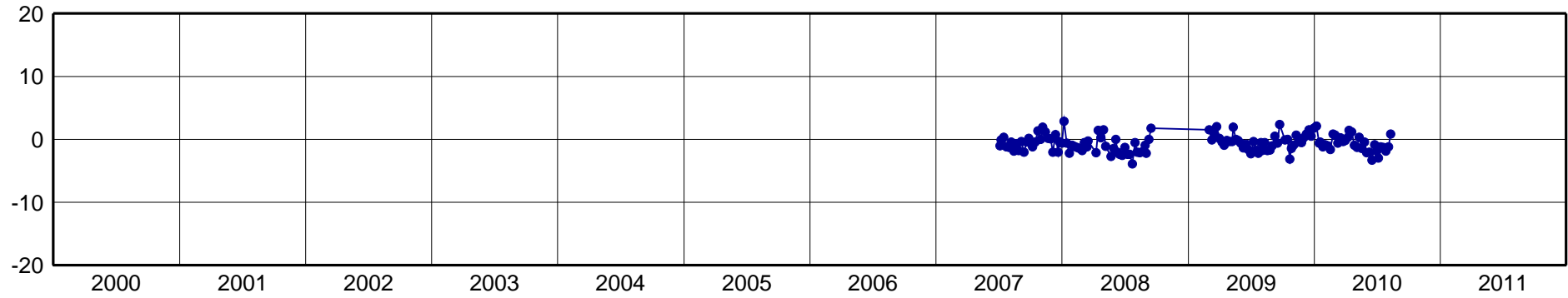


GRE0-Up Component [mm]

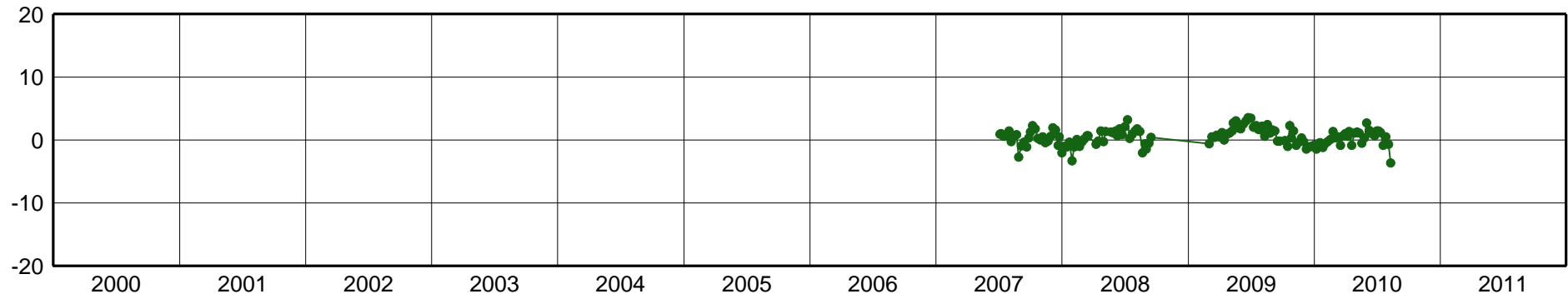


GTK0-North Component [mm]

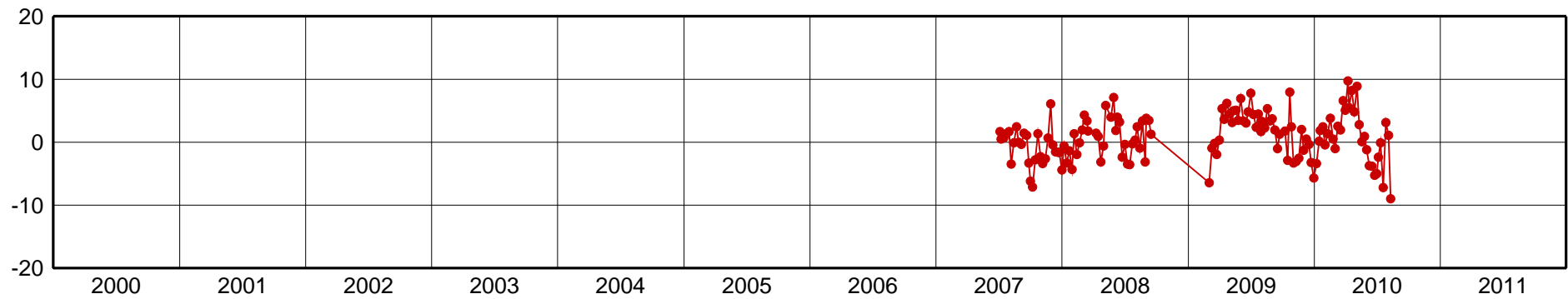
○ SIRGAS Analysis Centre at DGFI



GTK0-East Component [mm]

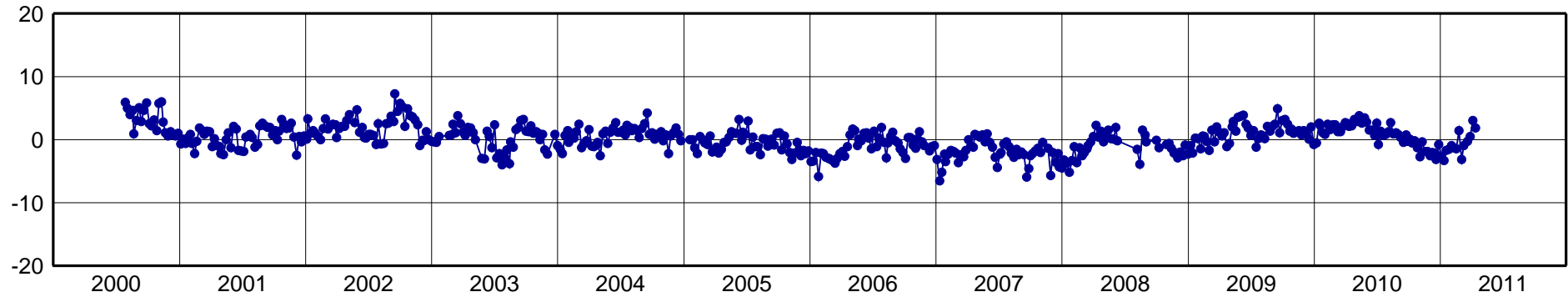


GTK0-Up Component [mm]

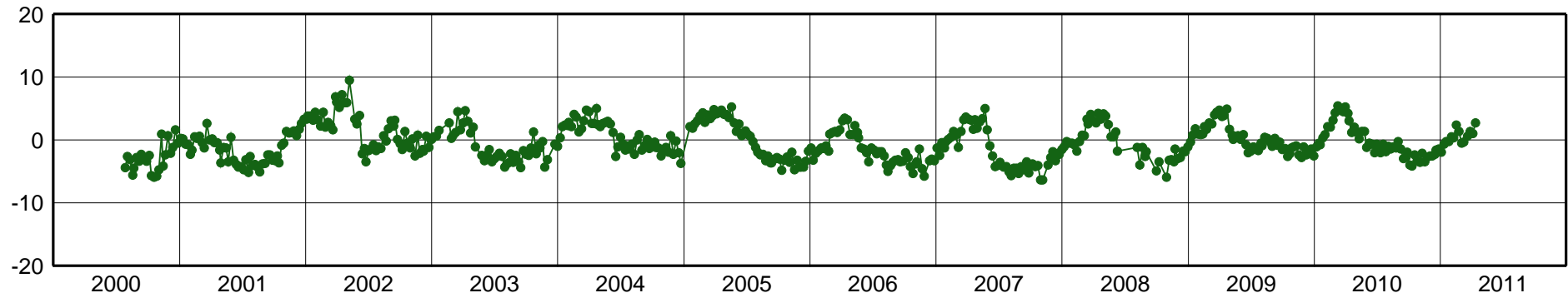


GUAT-North Component [mm]

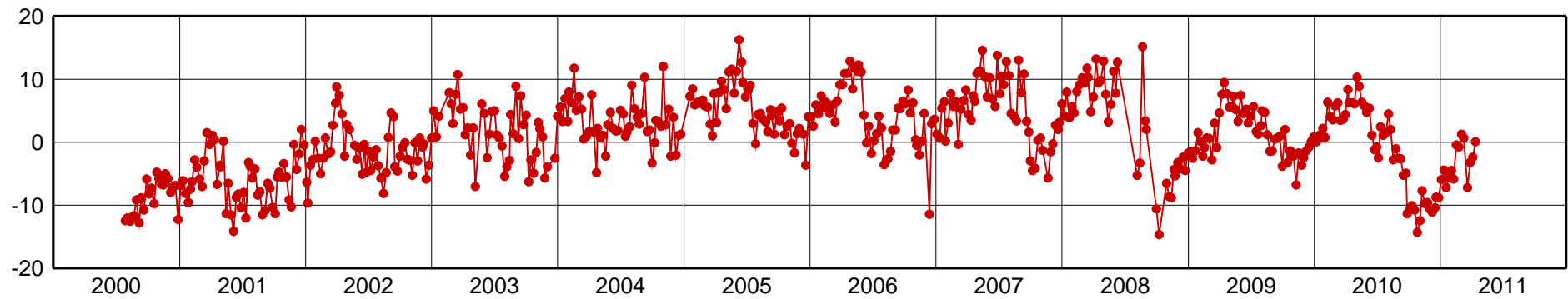
○ SIRGAS Analysis Centre at DGFI



GUAT-East Component [mm]

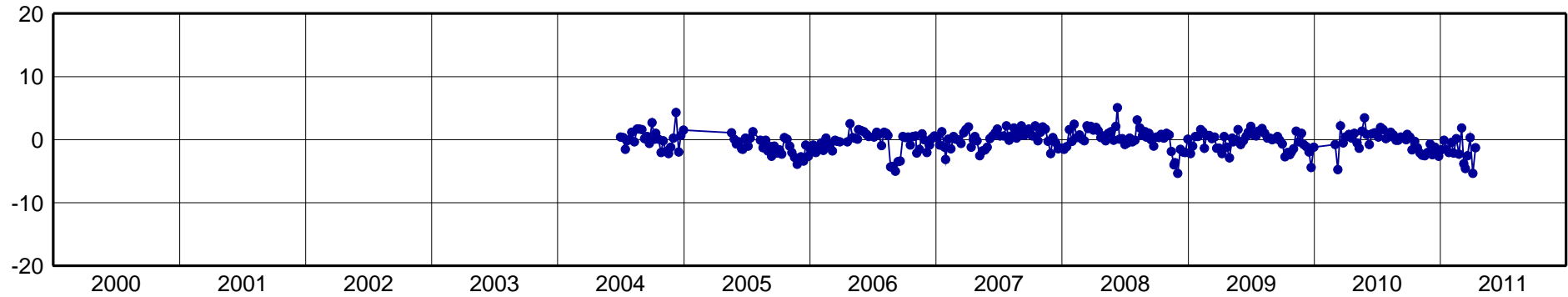


GUAT-Up Component [mm]

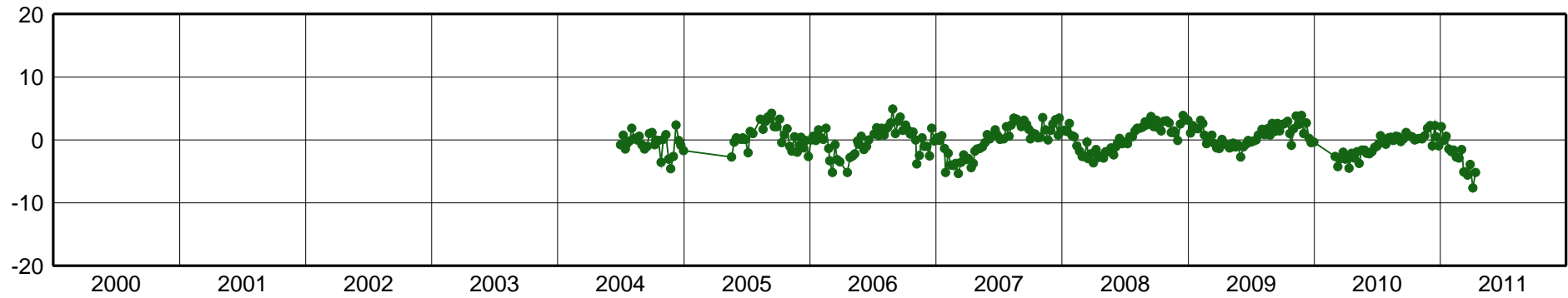


GVAL-North Component [mm]

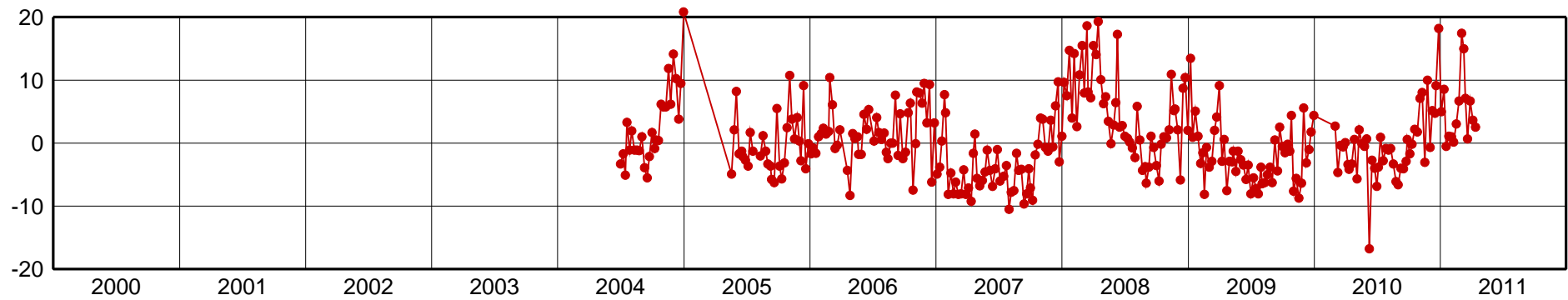
○ SIRGAS Analysis Centre at DGFI



GVAL-East Component [mm]

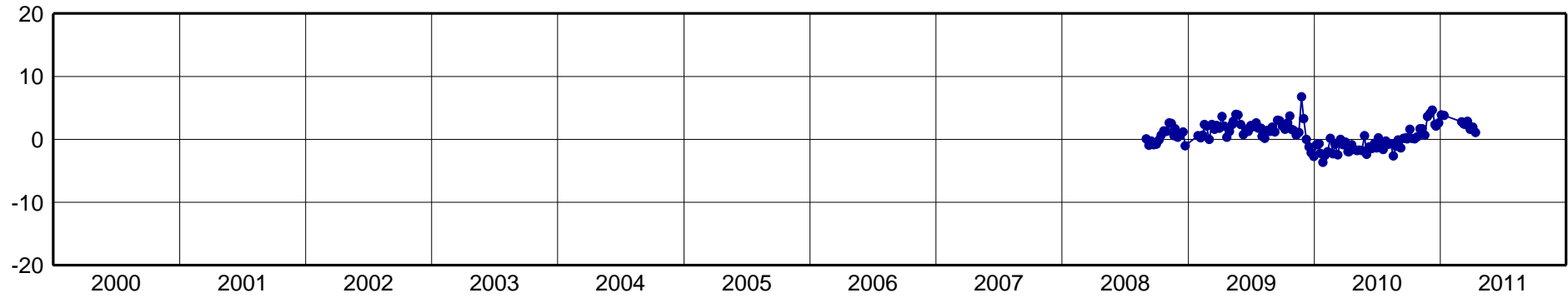


GVAL-Up Component [mm]

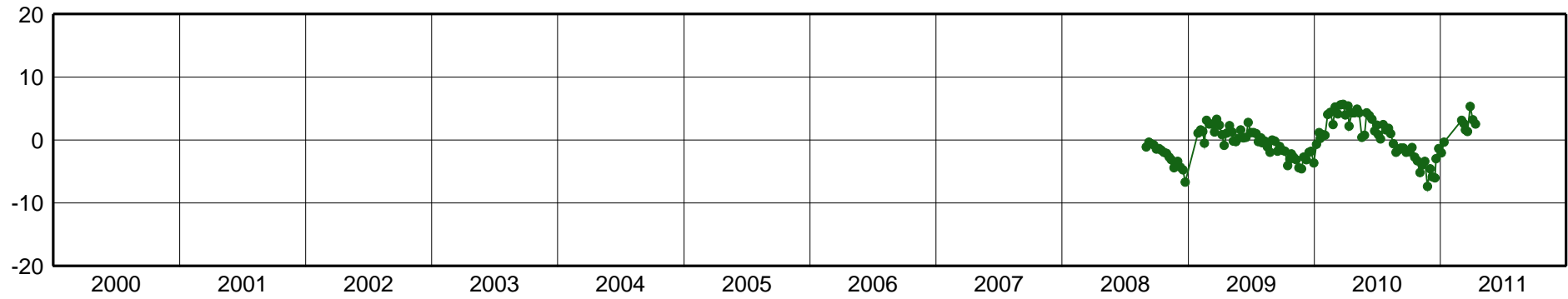


GYEC-North Component [mm]

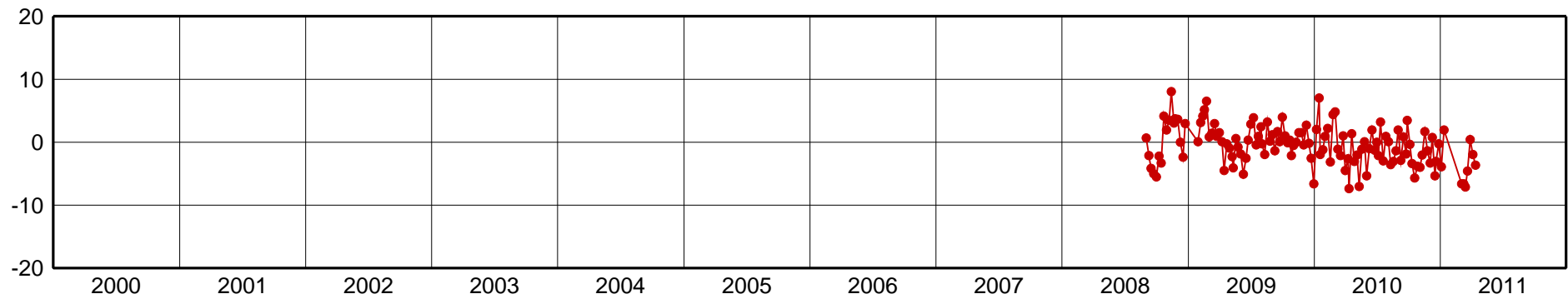
○ SIRGAS Analysis Centre at DGFI



GYEC-East Component [mm]

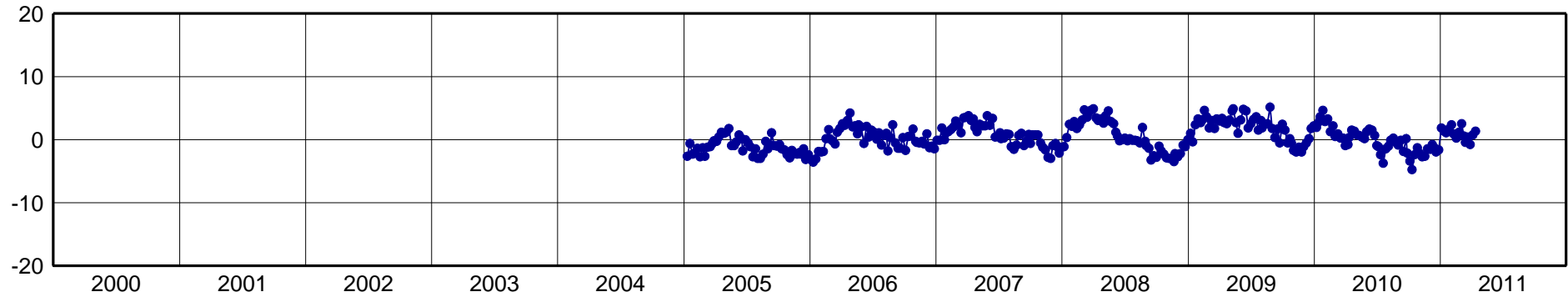


GYEC-Up Component [mm]

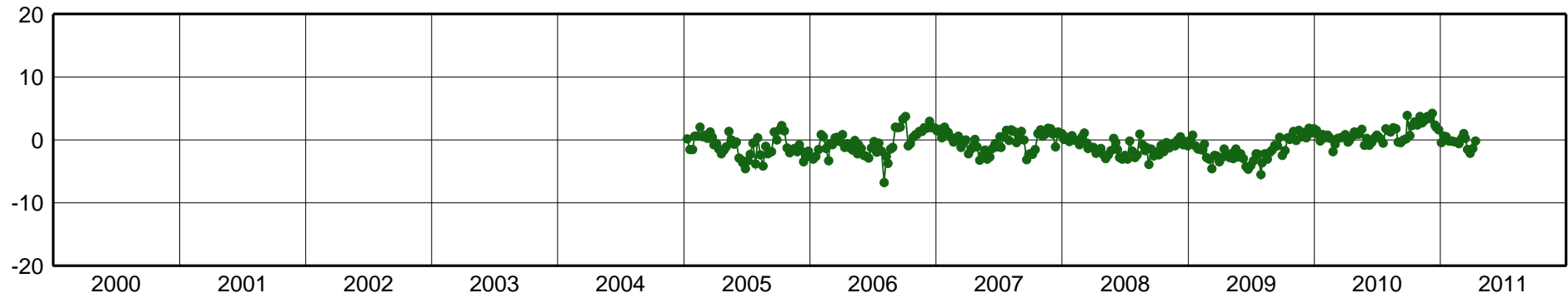


HER2-North Component [mm]

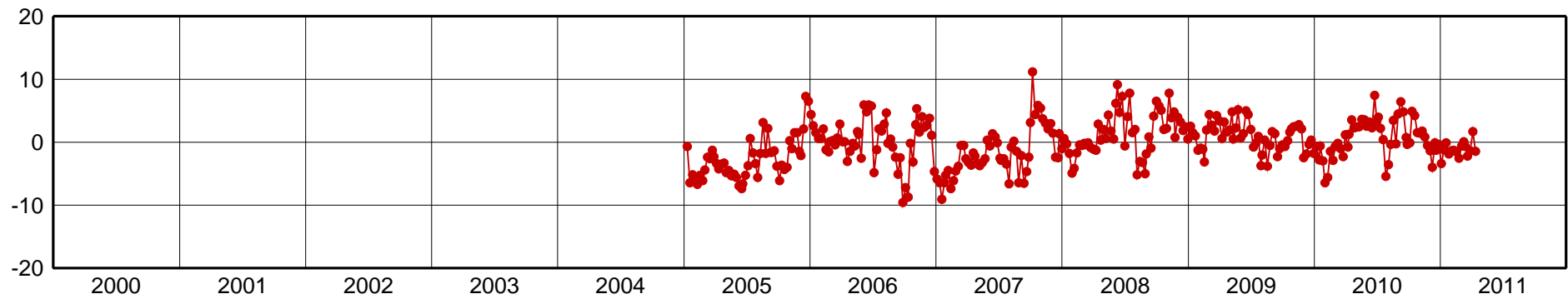
○ SIRGAS Analysis Centre at DGFI



HER2-East Component [mm]



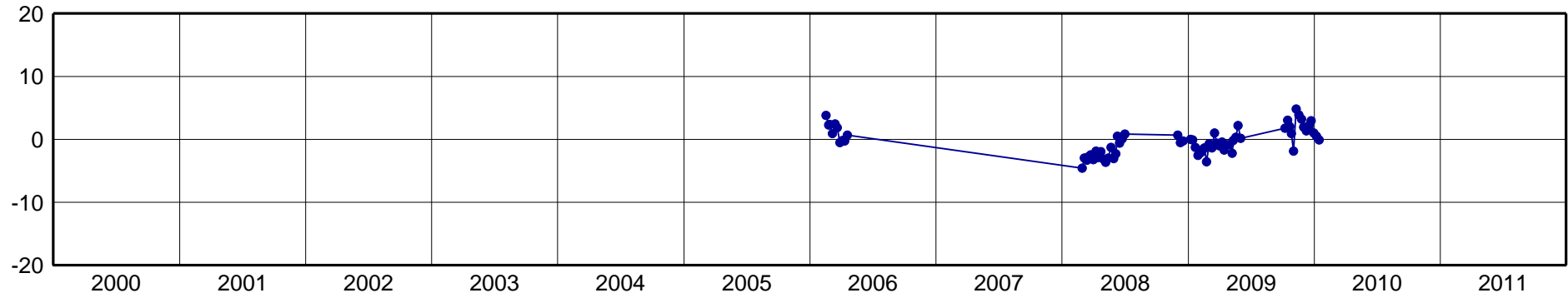
HER2-Up Component [mm]



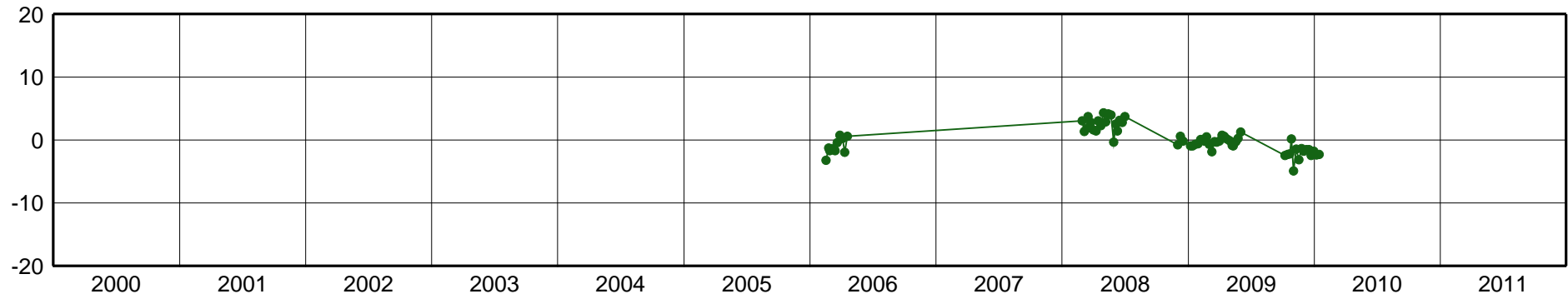


IBAG-North Component [mm]

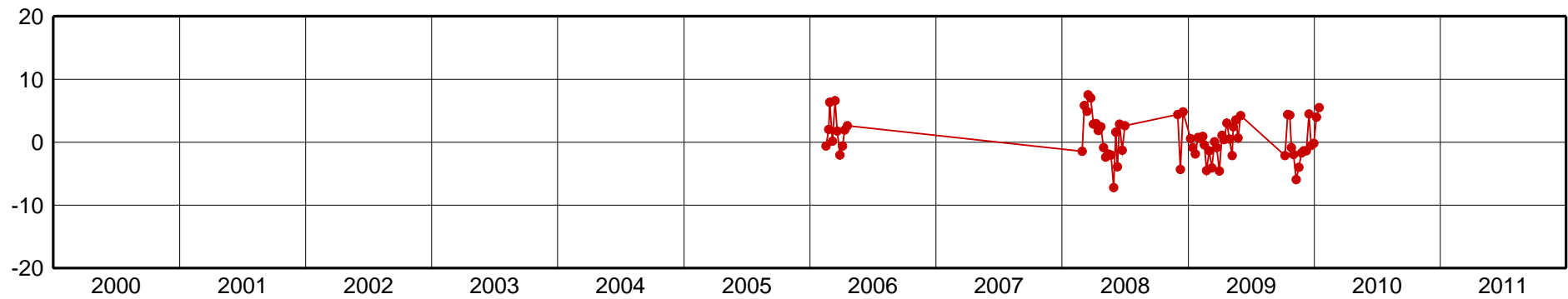
○ SIRGAS Analysis Centre at DGFI



IBAG-East Component [mm]

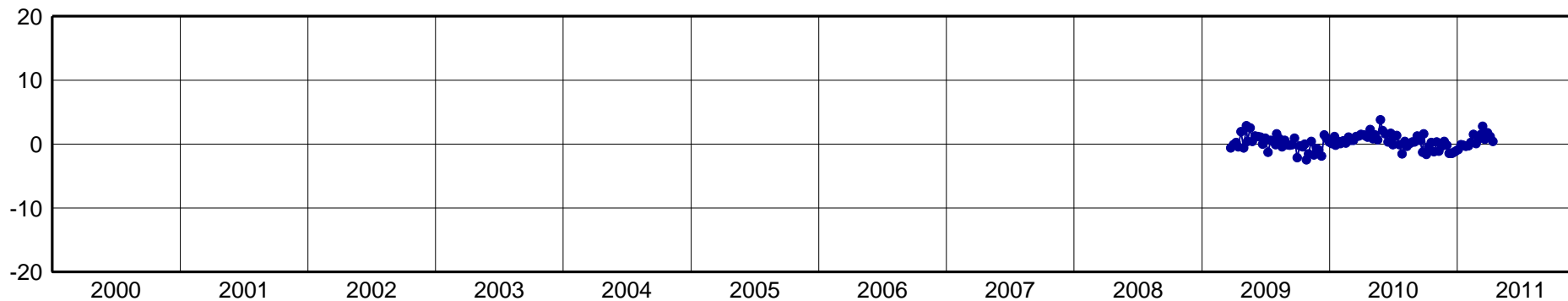


IBAG-Up Component [mm]

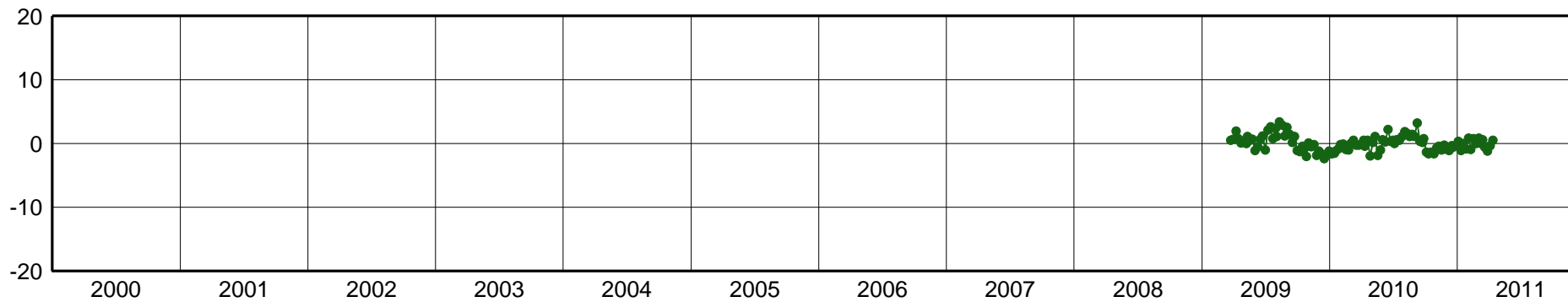


ICAM-North Component [mm]

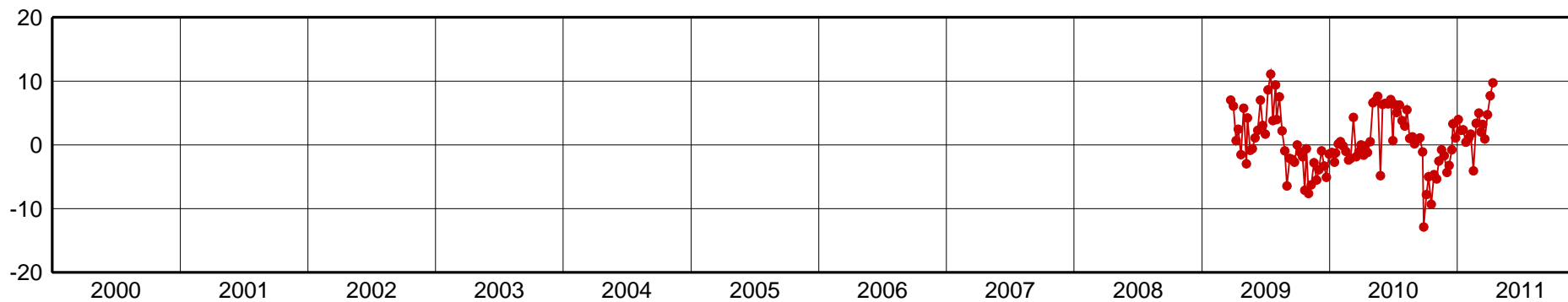
○ SIRGAS Analysis Centre at DGFI



ICAM-East Component [mm]

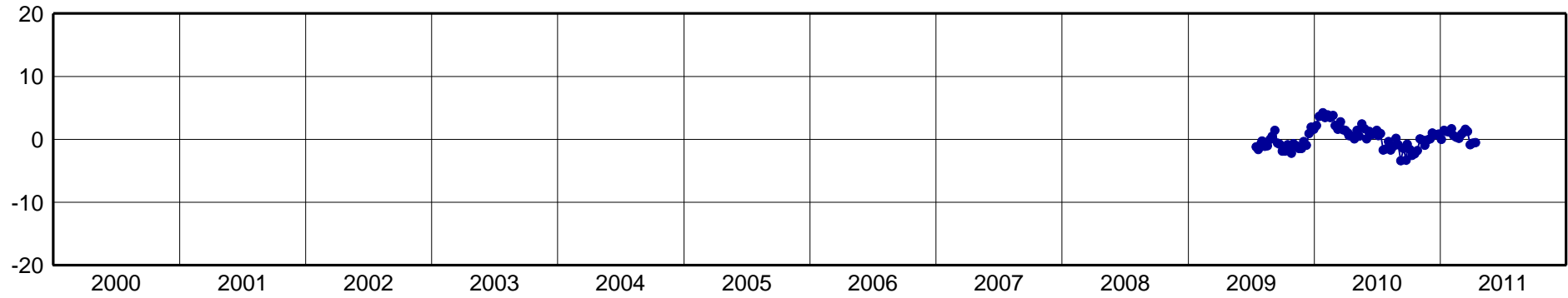


ICAM-Up Component [mm]

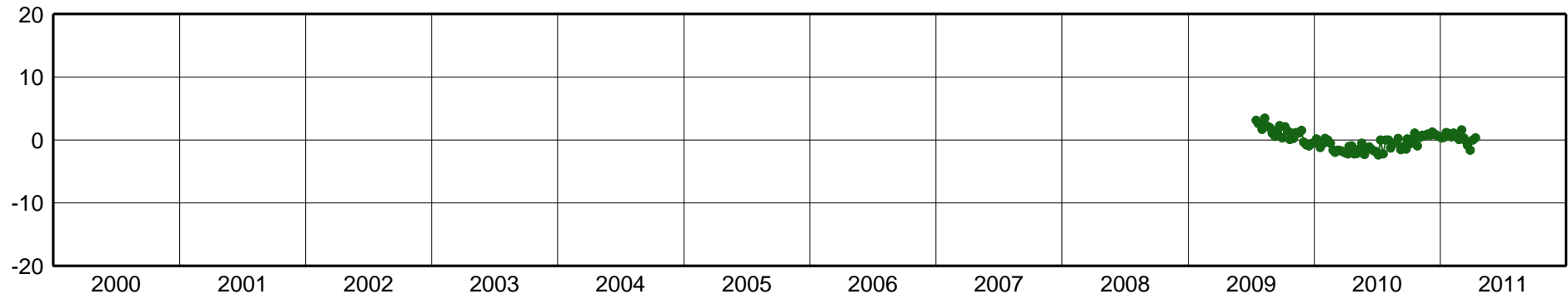


ICEP-North Component [mm]

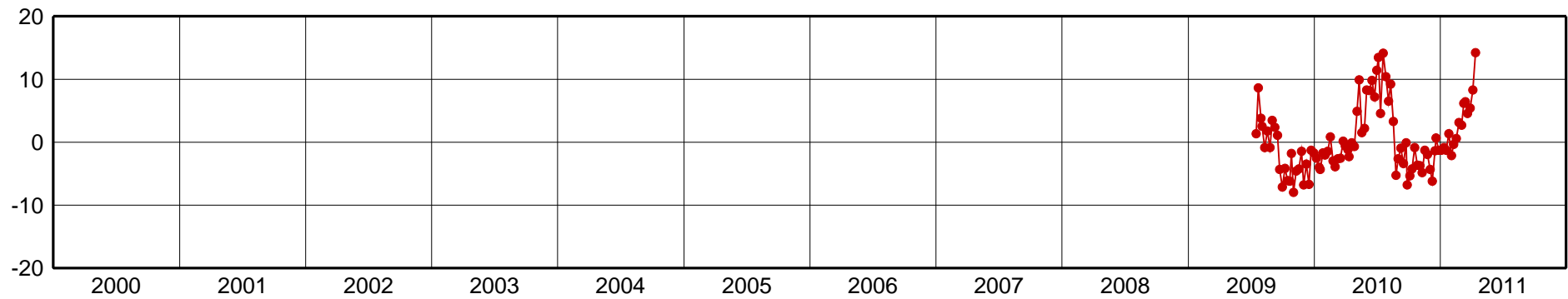
○ SIRGAS Analysis Centre at DGFI



ICEP-East Component [mm]

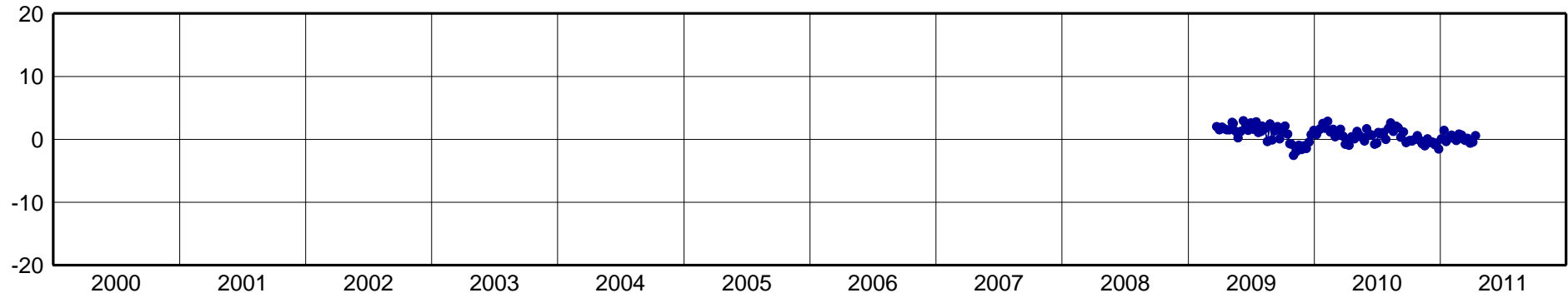


ICEP-Up Component [mm]

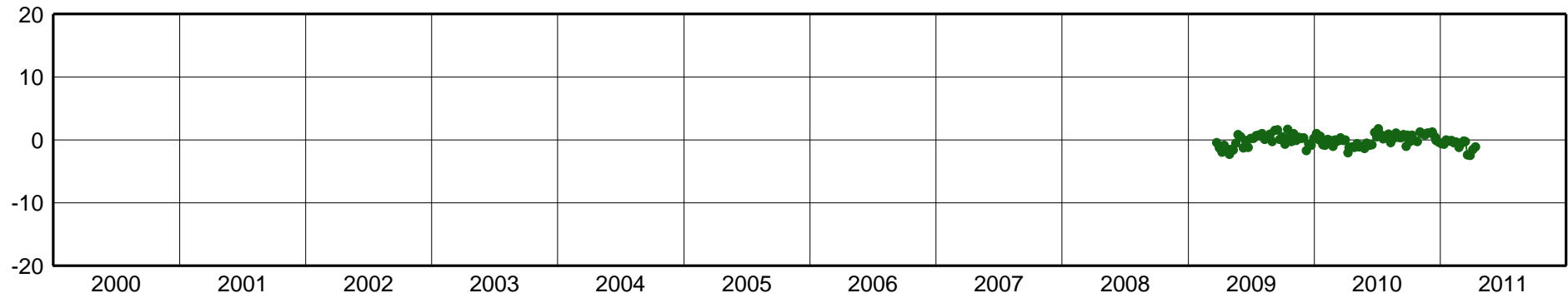


IDGO-North Component [mm]

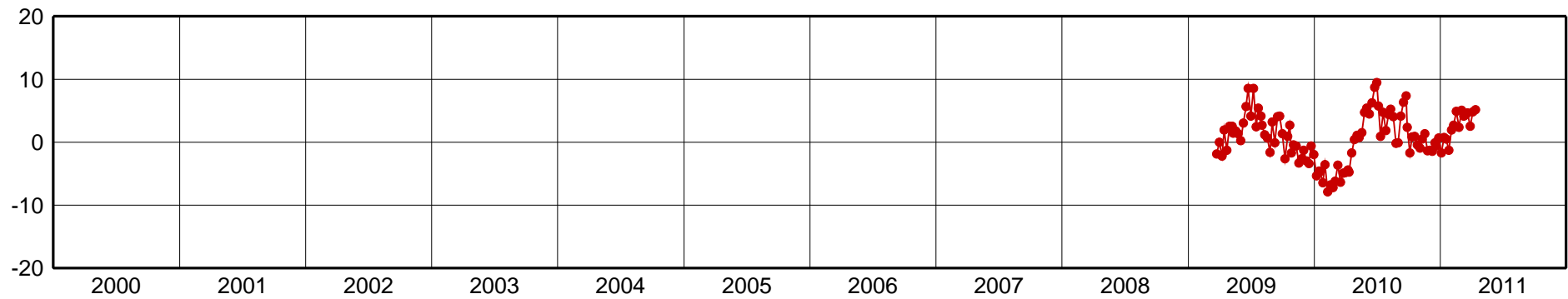
○ SIRGAS Analysis Centre at DGFI



IDGO-East Component [mm]

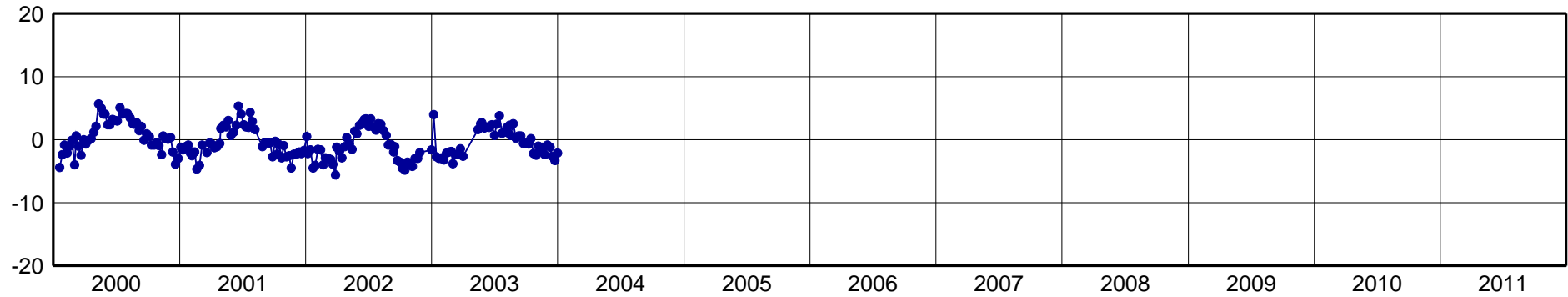


IDGO-Up Component [mm]

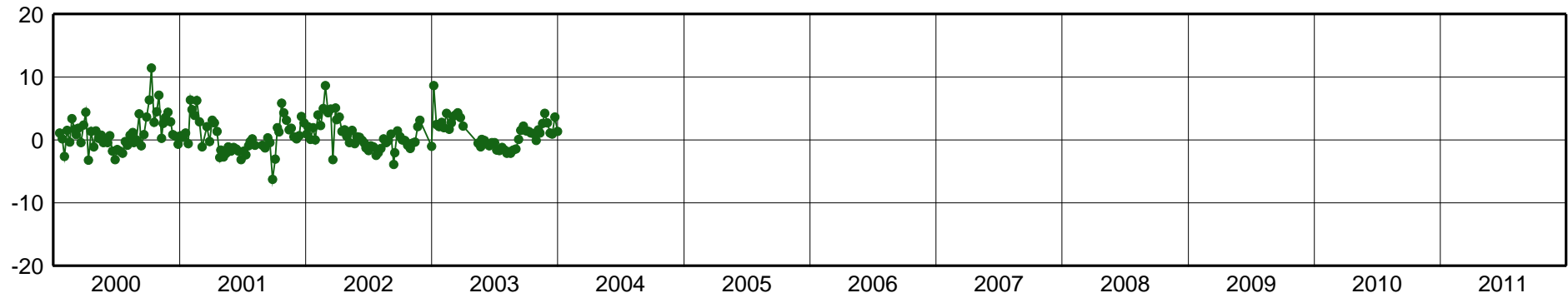


IGM0-North Component [mm]

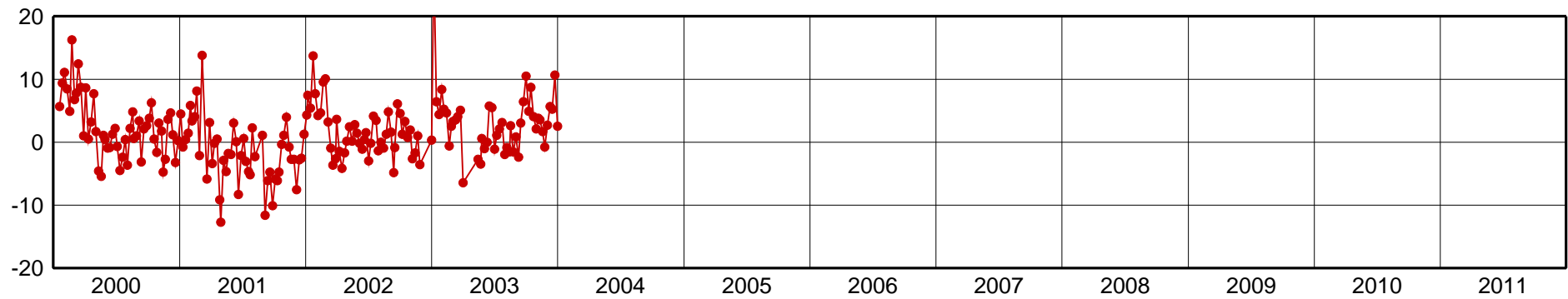
○ SIRGAS Analysis Centre at DGFI



IGM0-East Component [mm]

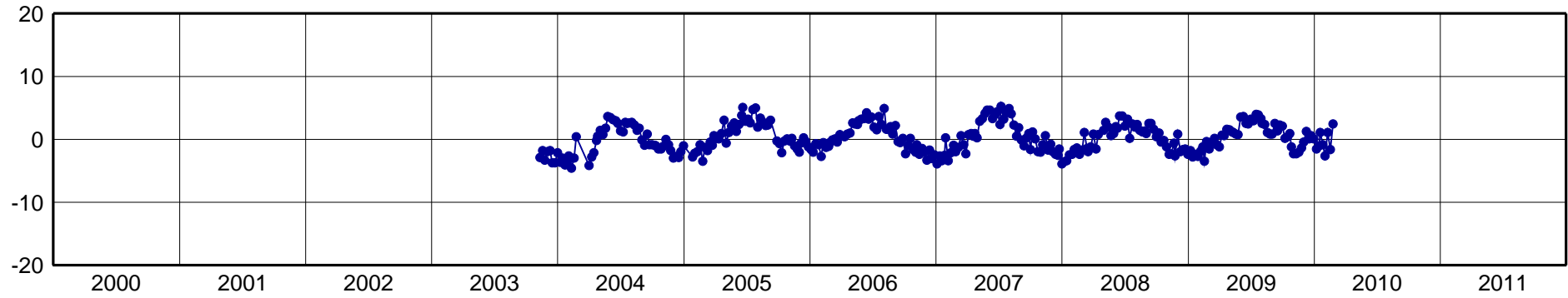


IGM0-Up Component [mm]

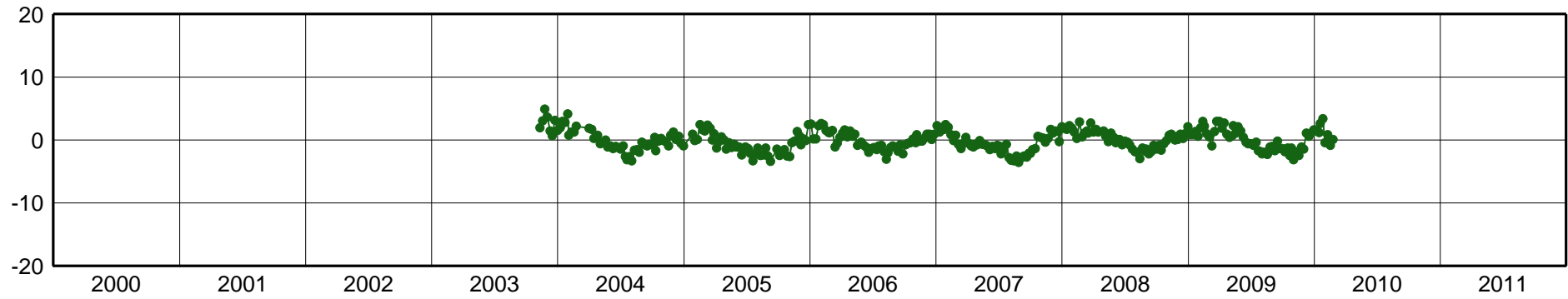


IGM1-North Component [mm]

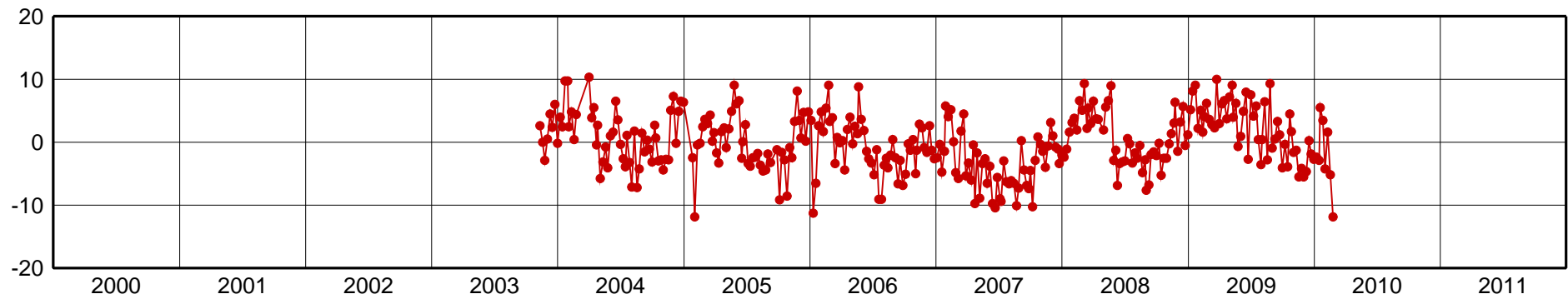
○ SIRGAS Analysis Centre at DGFI



IGM1-East Component [mm]

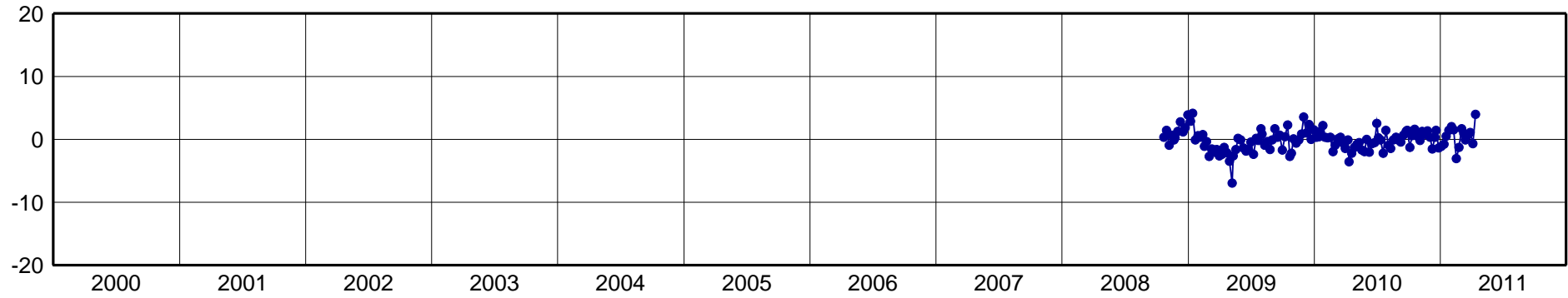


IGM1-Up Component [mm]

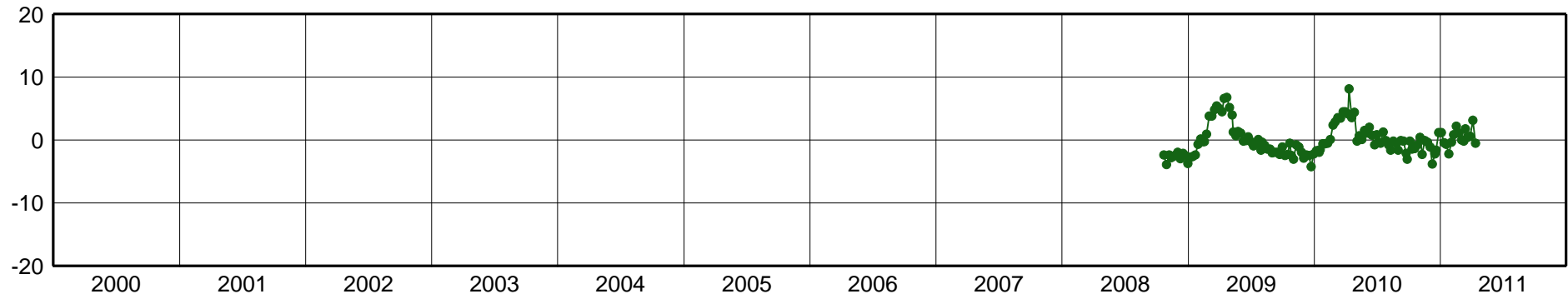


IGN1-North Component [mm]

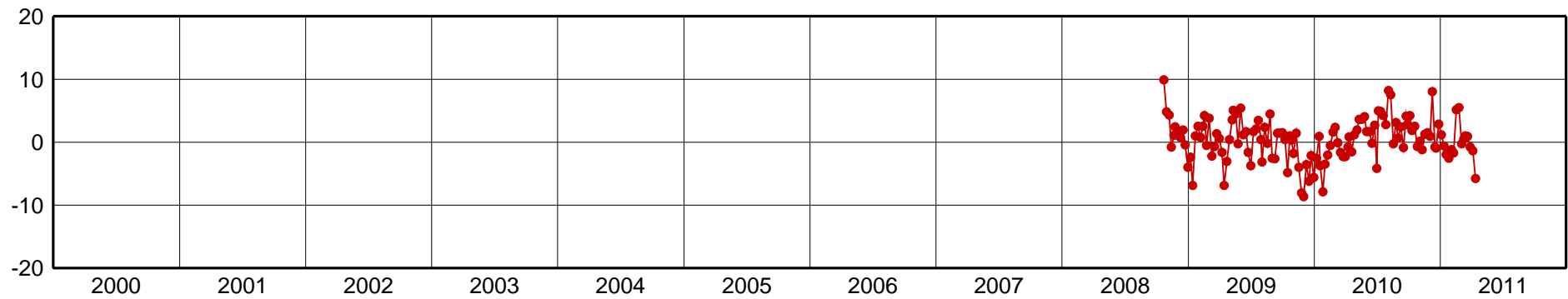
○ SIRGAS Analysis Centre at DGFI



IGN1-East Component [mm]

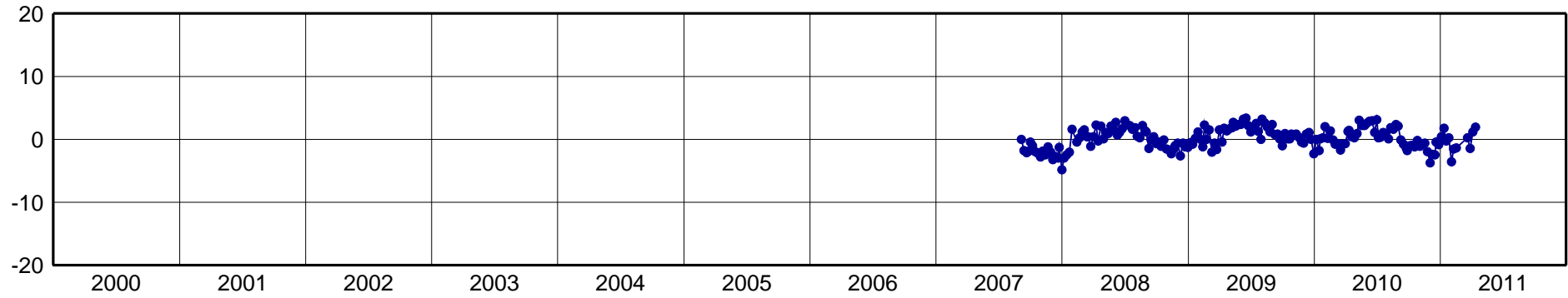


IGN1-Up Component [mm]

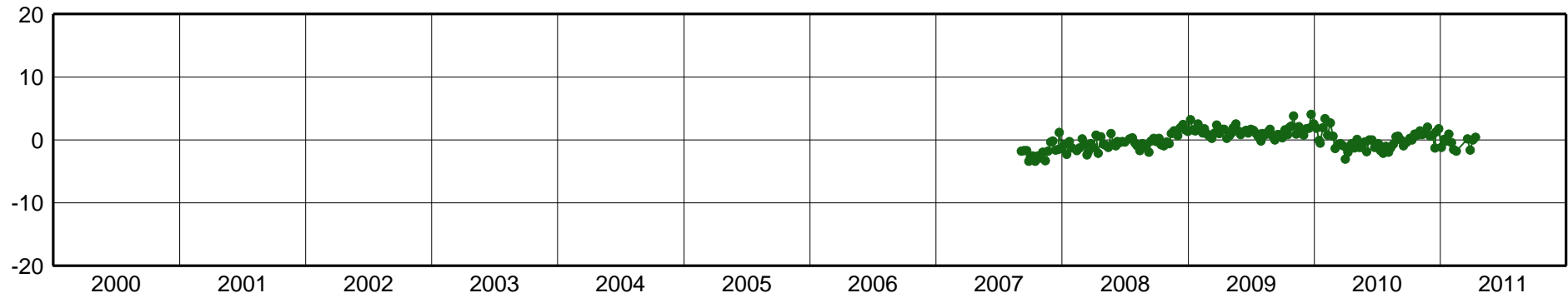


IMBT-North Component [mm]

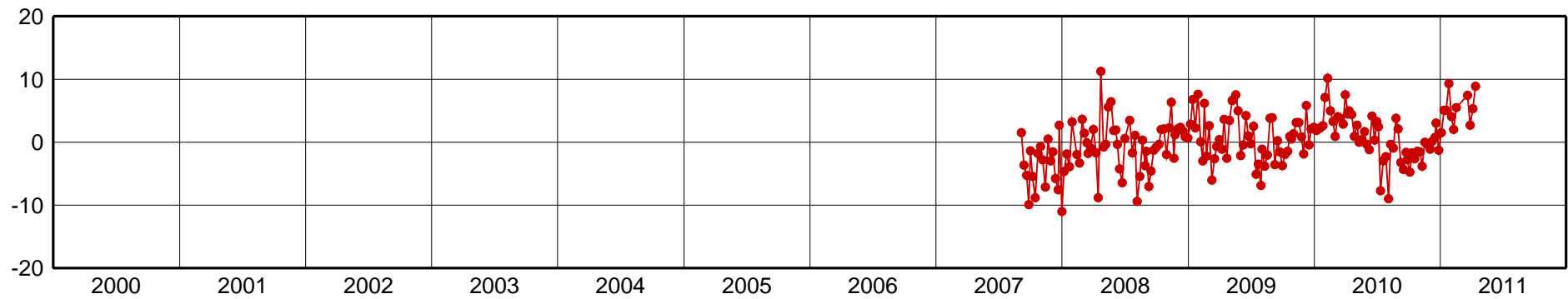
○ SIRGAS Analysis Centre at DGFI



IMBT-East Component [mm]



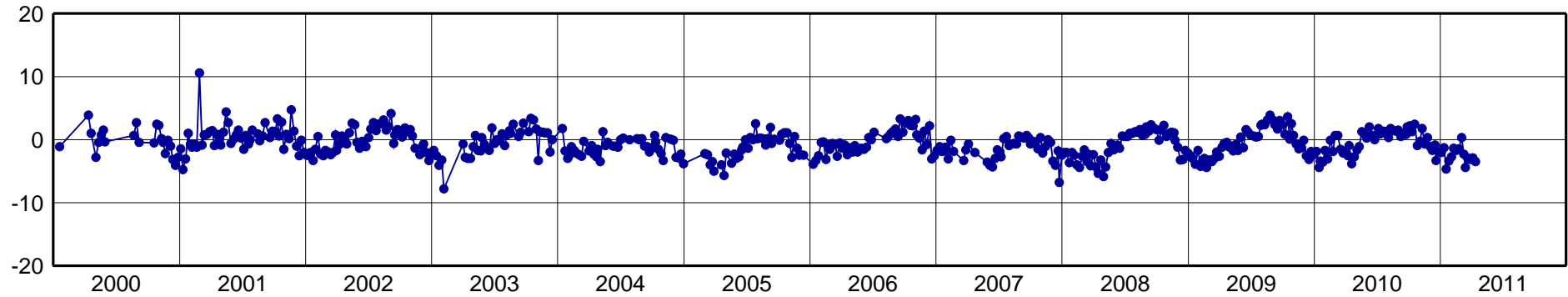
IMBT-Up Component [mm]



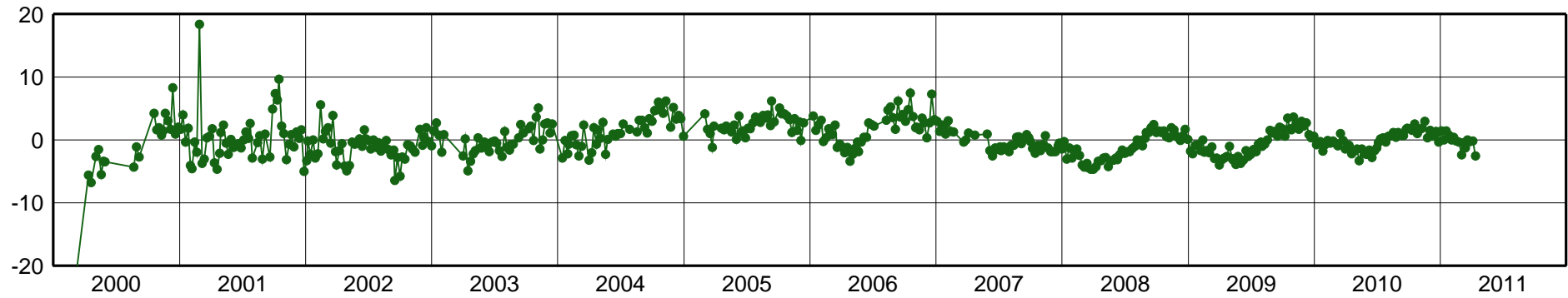


IMPZ-North Component [mm]

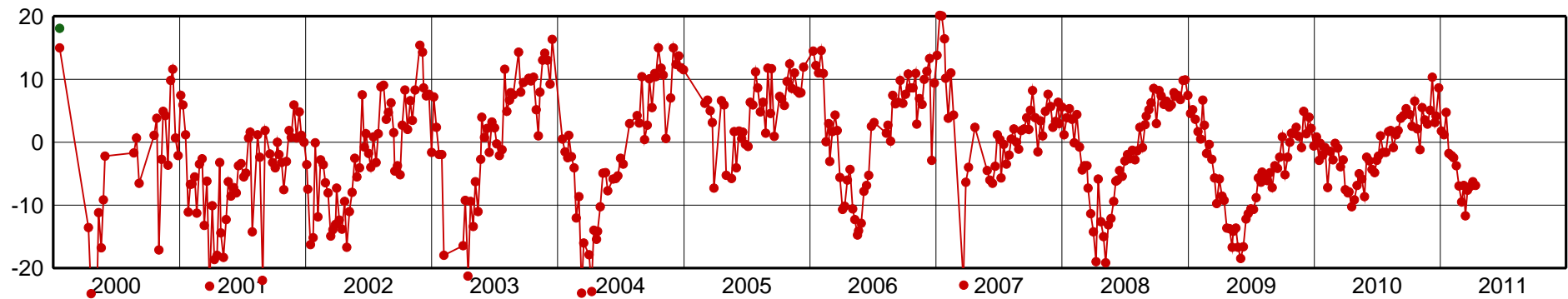
○ SIRGAS Analysis Centre at DGFI



IMPZ-East Component [mm]

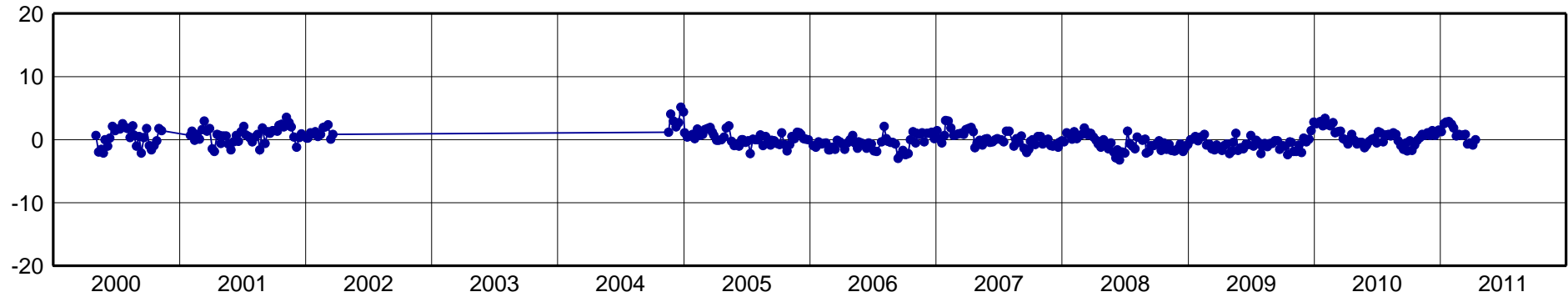


IMPZ-Up Component [mm]

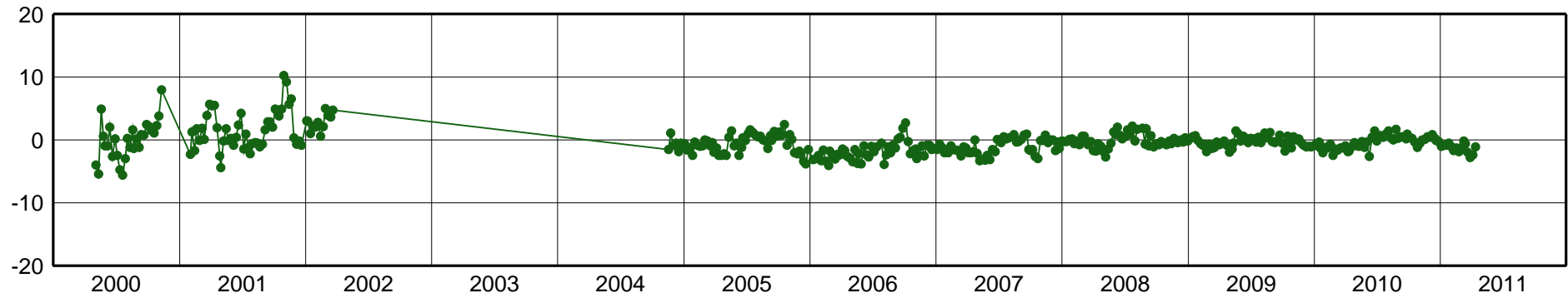


INEG-North Component [mm]

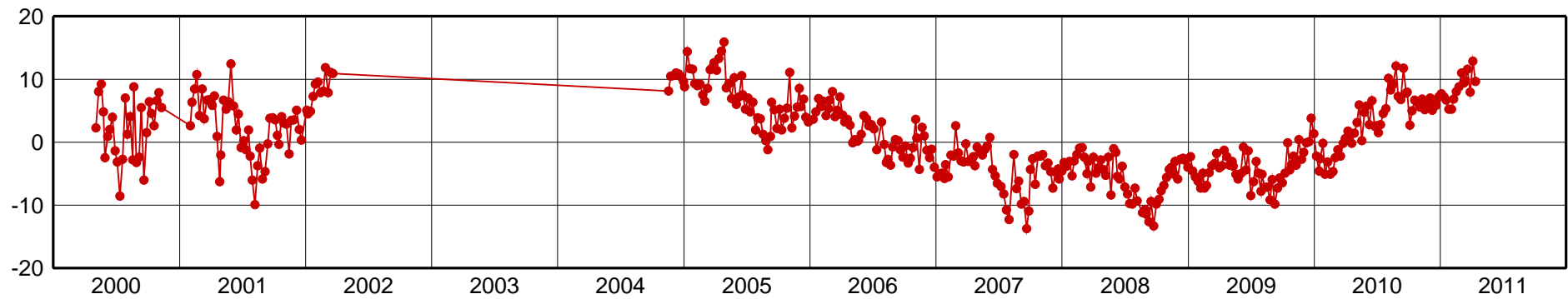
○ SIRGAS Analysis Centre at DGFI



INEG-East Component [mm]

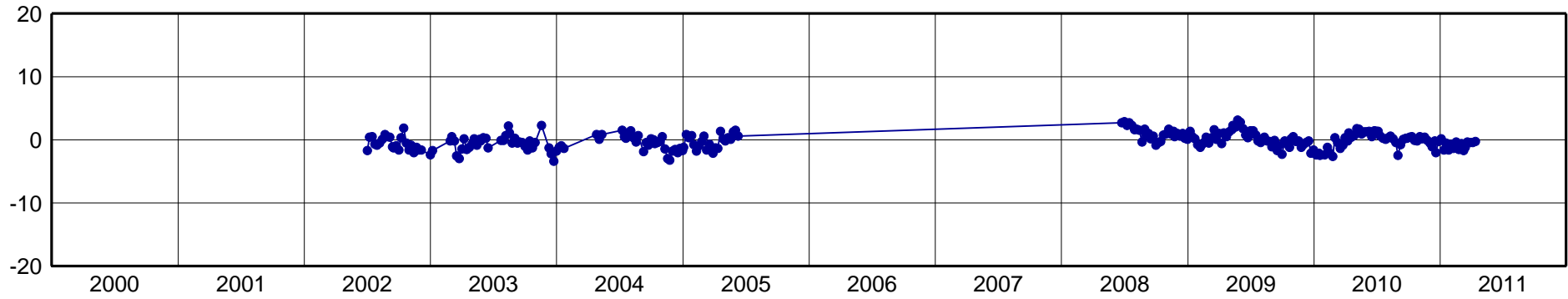


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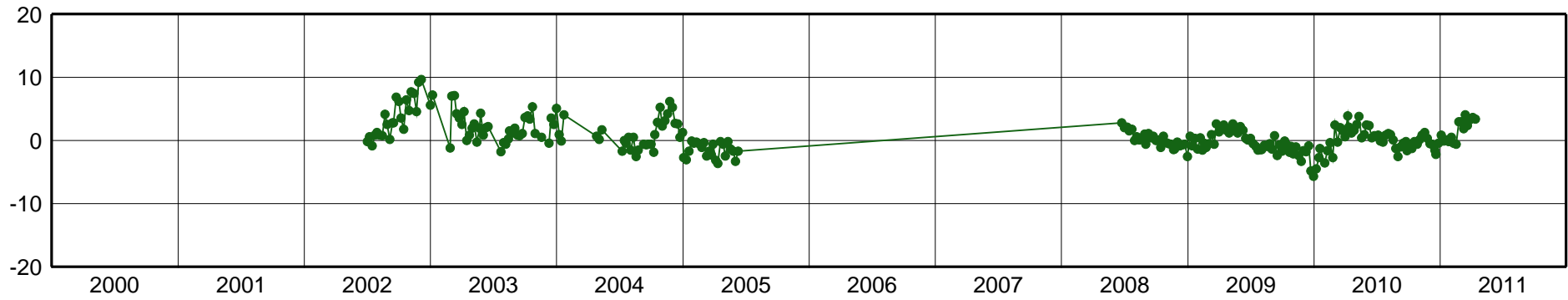


IQQE-North Component [mm]

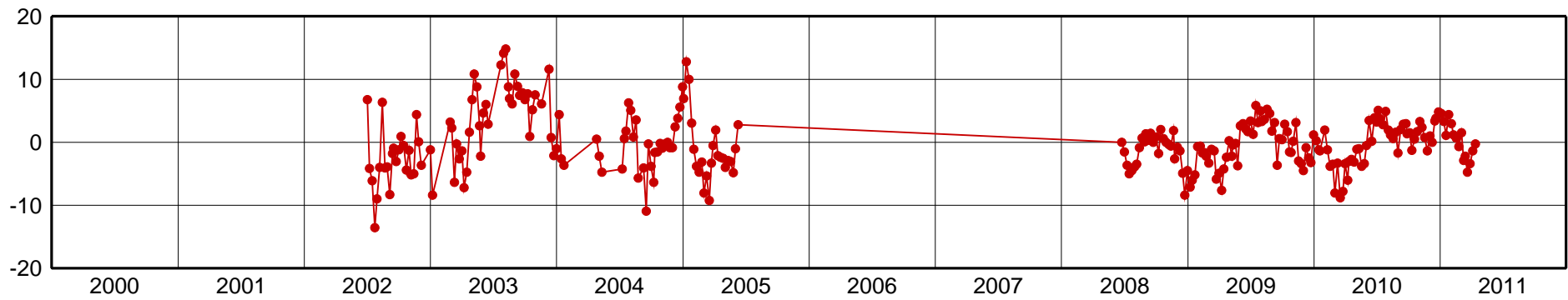
○ SIRGAS Analysis Centre at DGFI



IQQE-East Component [mm]

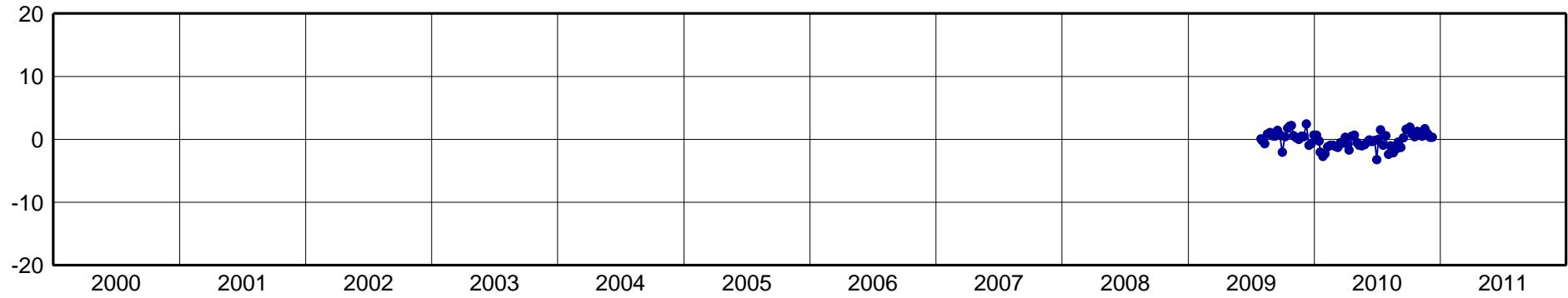


IQQE-Up Component [mm]

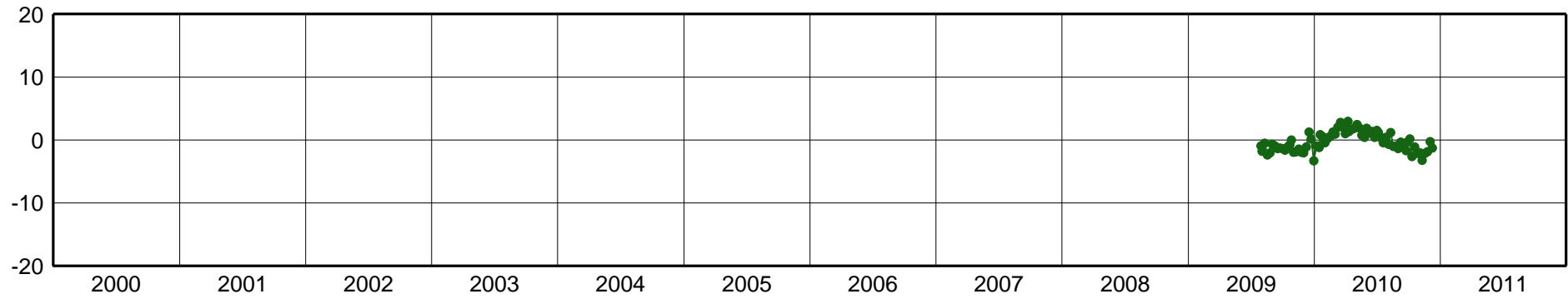


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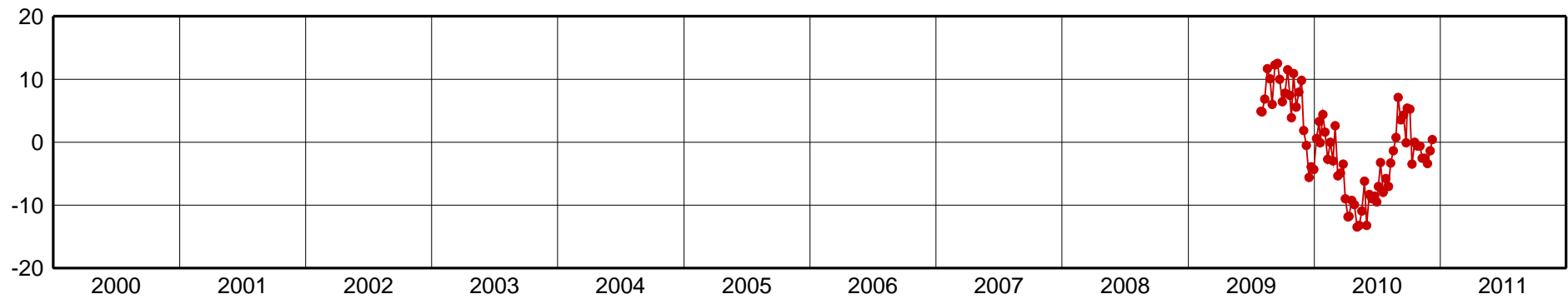
○ SIRGAS Analysis Centre at DGFI



IQUI-East Component [mm]

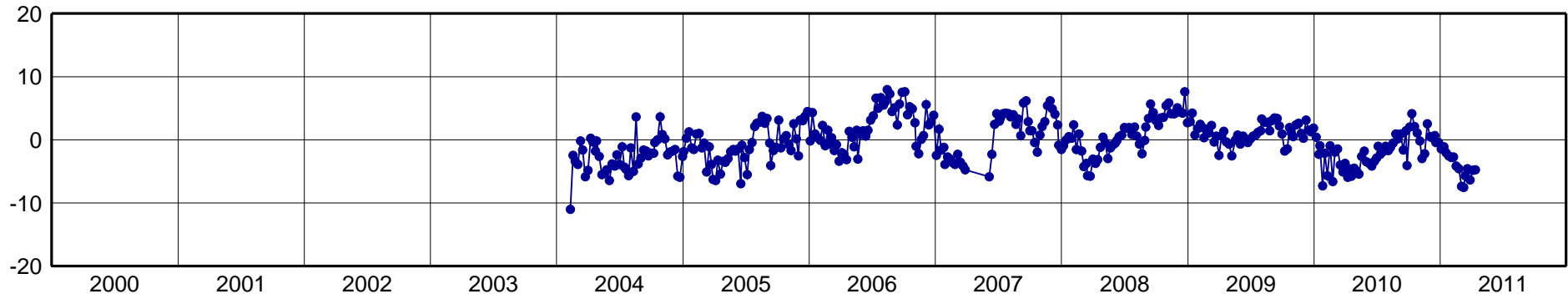


IQUI-Up Component [mm]

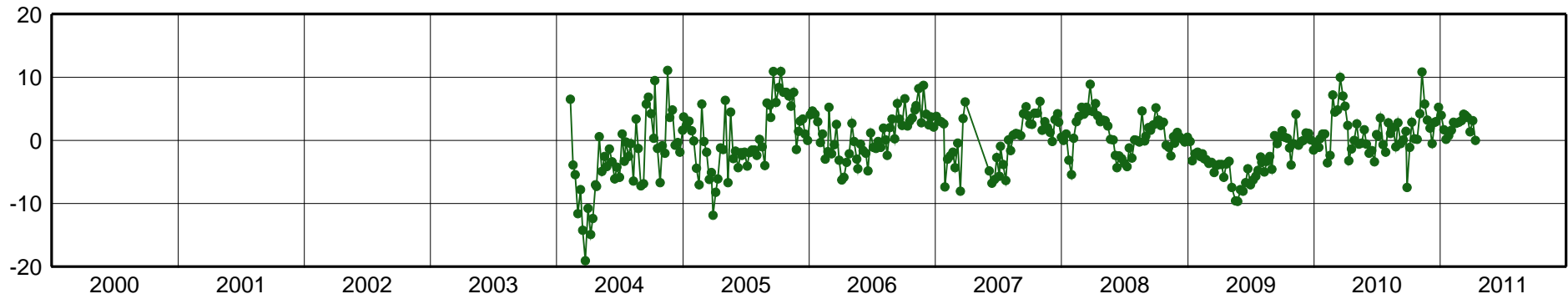


ISPA-North Component [mm]

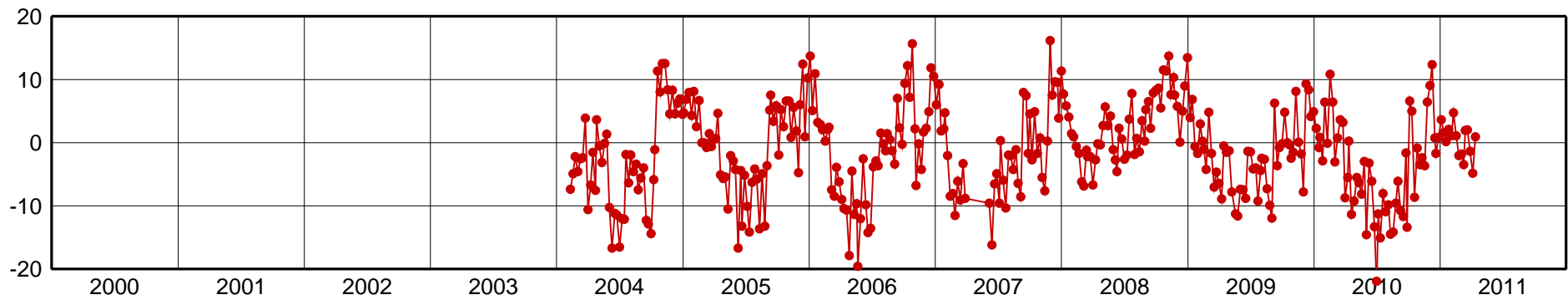
○ SIRGAS Analysis Centre at DGFI



ISPA-East Component [mm]

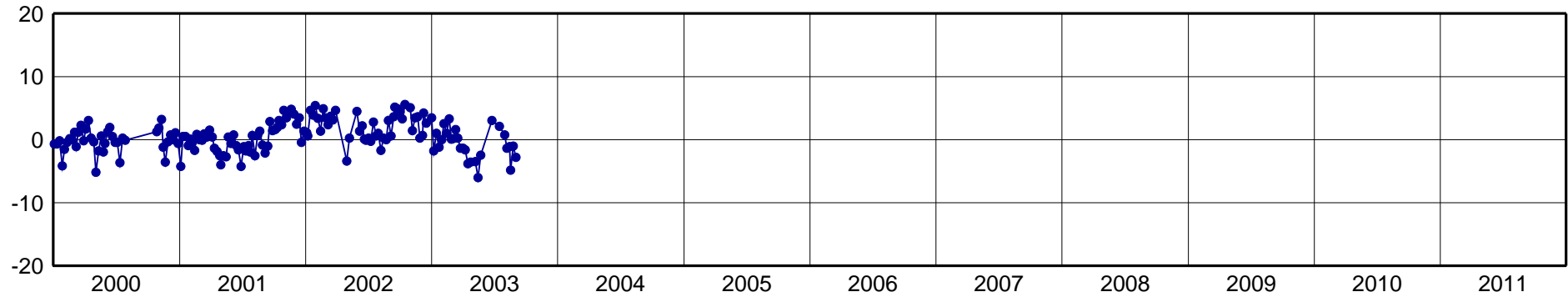


ISPA-Up Component [mm]

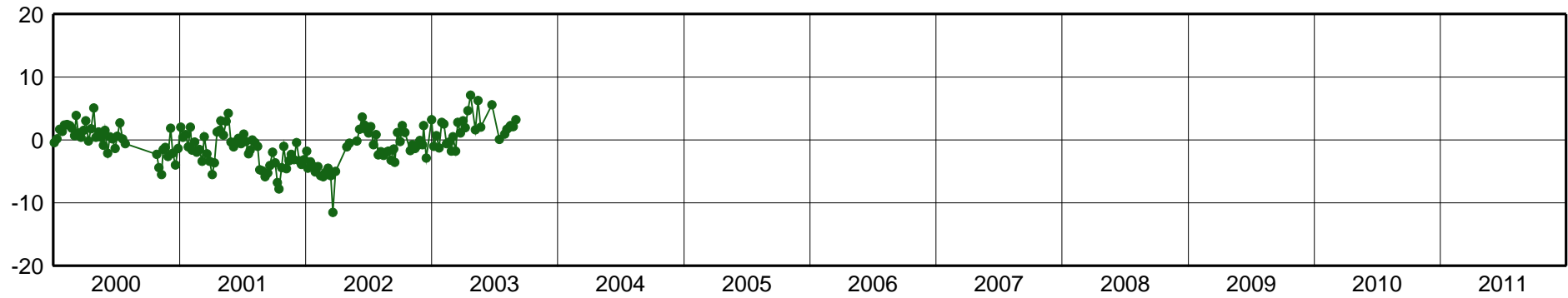


JAMA-North Component [mm]

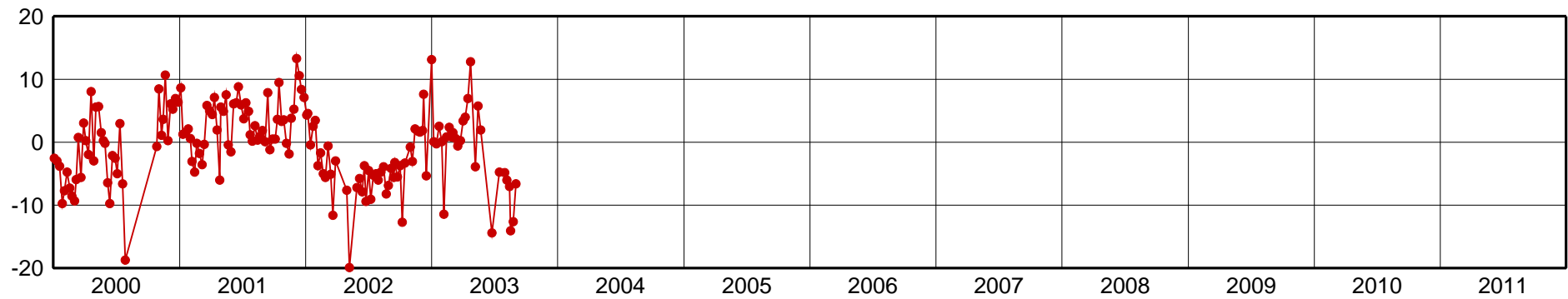
○ SIRGAS Analysis Centre at DGFI



JAMA-East Component [mm]

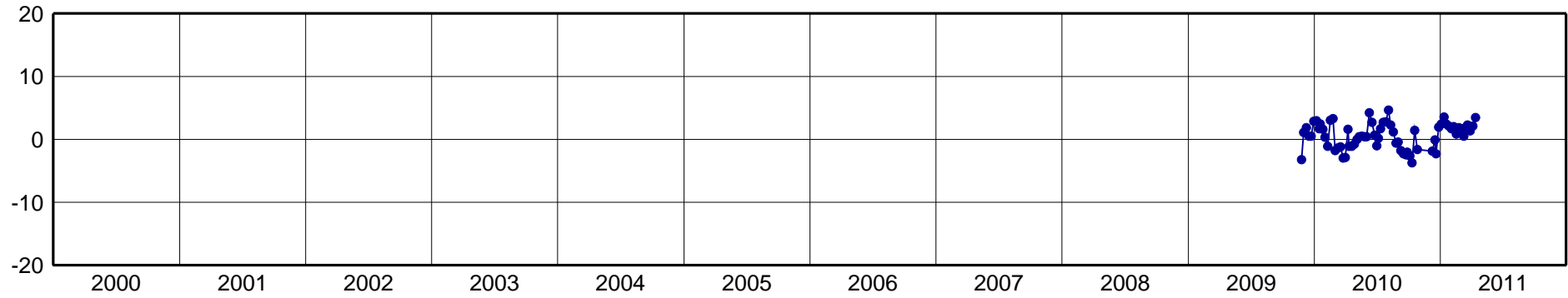


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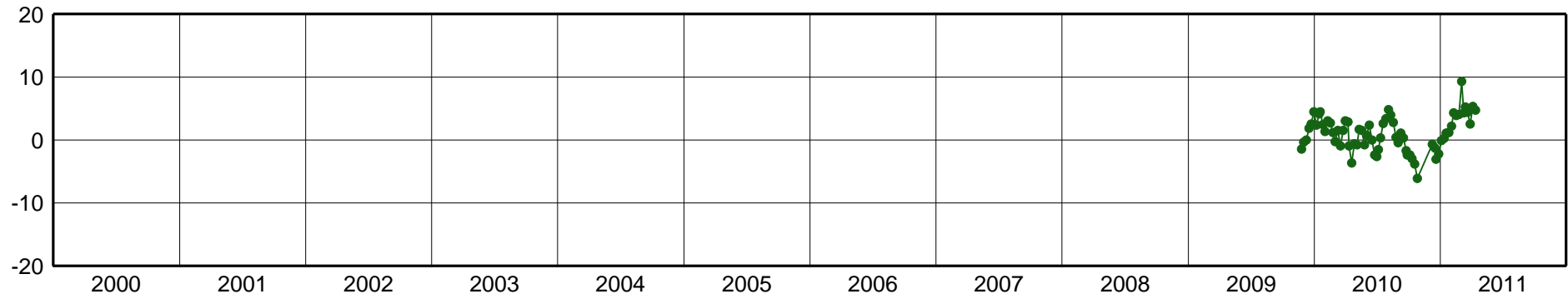


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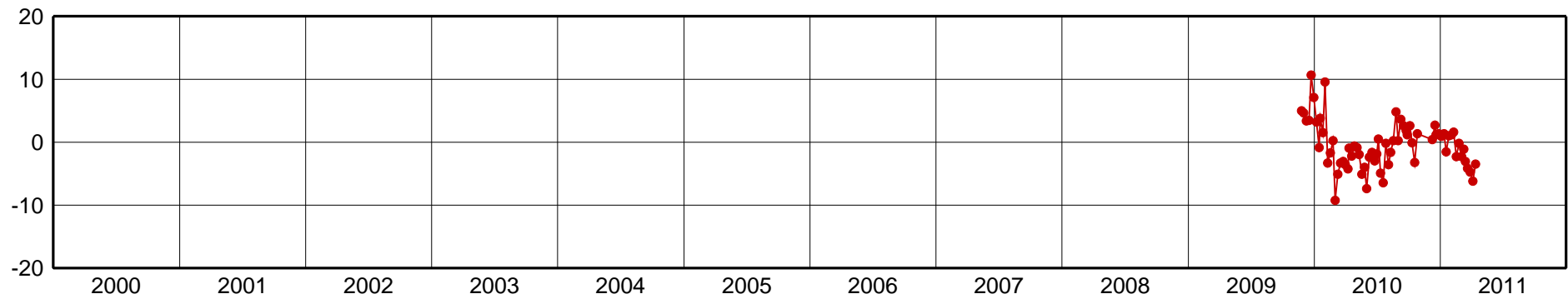
○ SIRGAS Analysis Centre at DGFI



JBAL-East Component [mm]

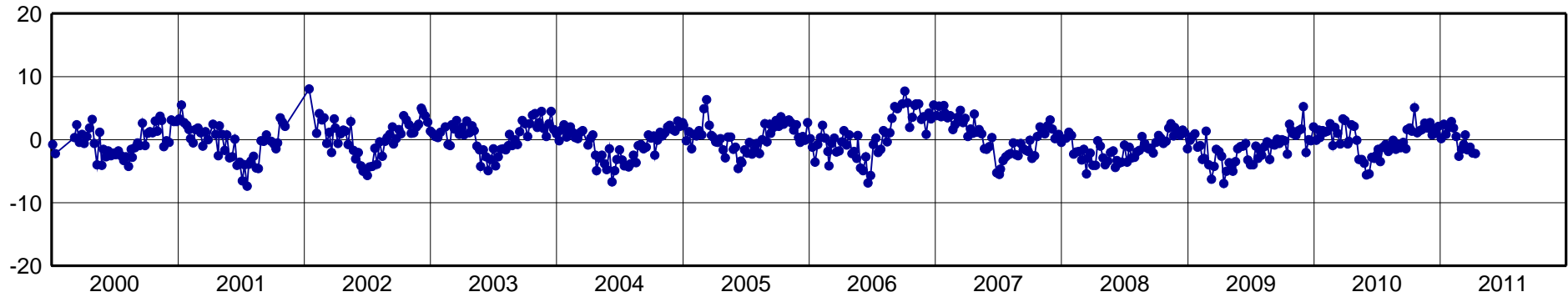


JBAL-Up Component [mm]

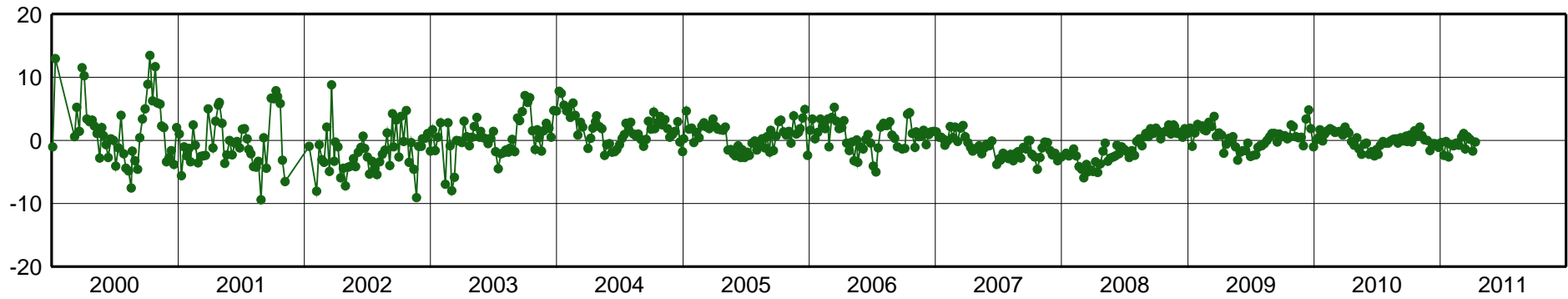


KOUR-North Component [mm]

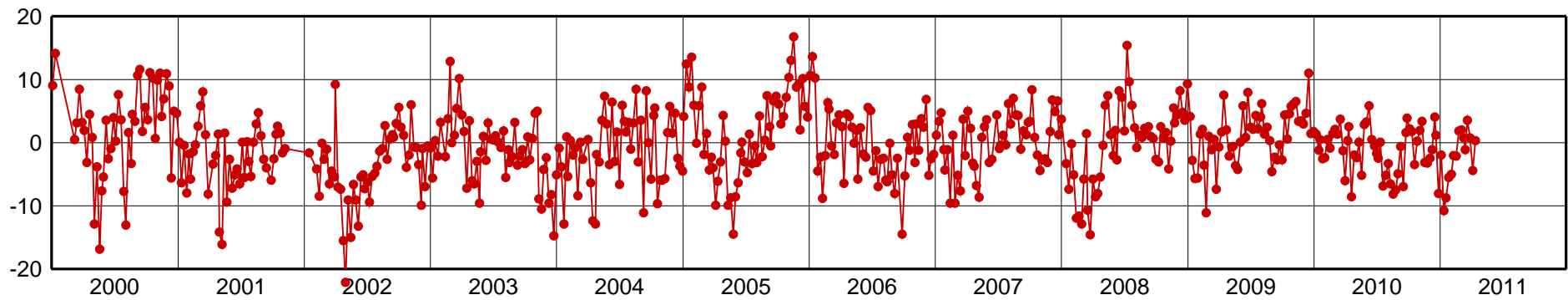
○ SIRGAS Analysis Centre at DGFI



KOUR-East Component [mm]



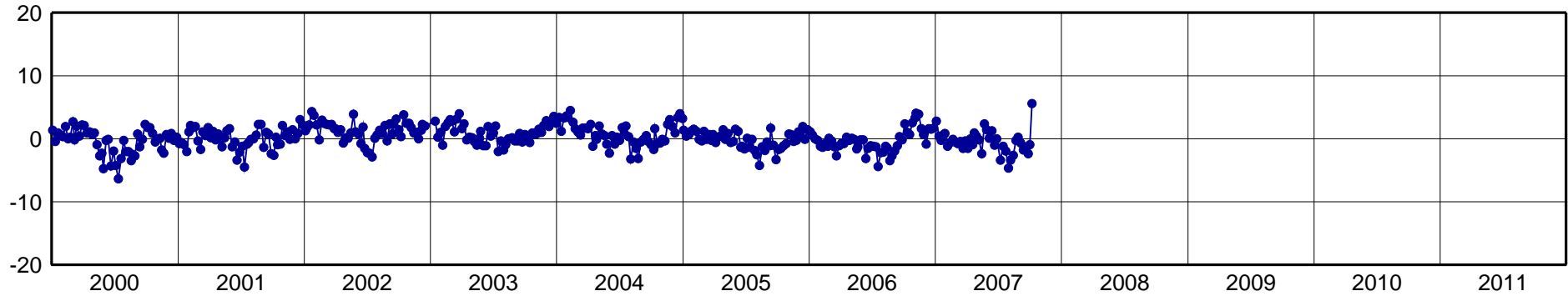
KOUR-Up Component [mm]



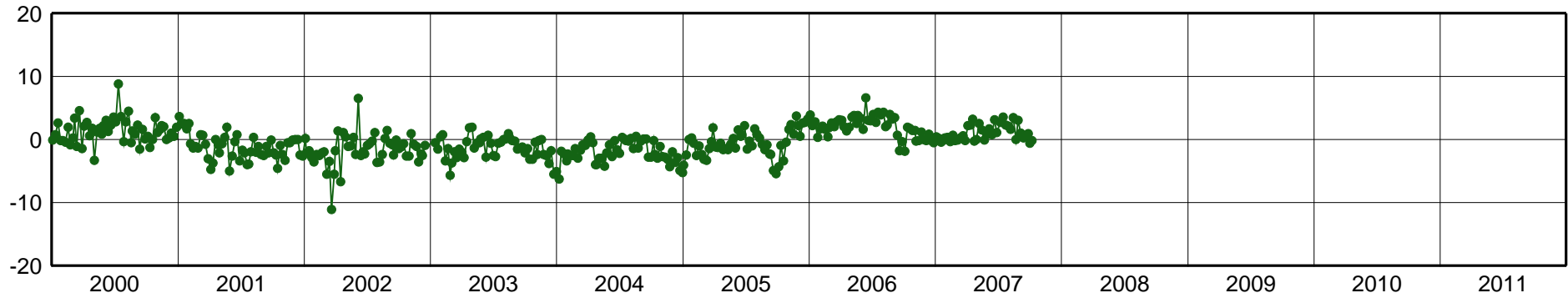


KYW1-North Component [mm]

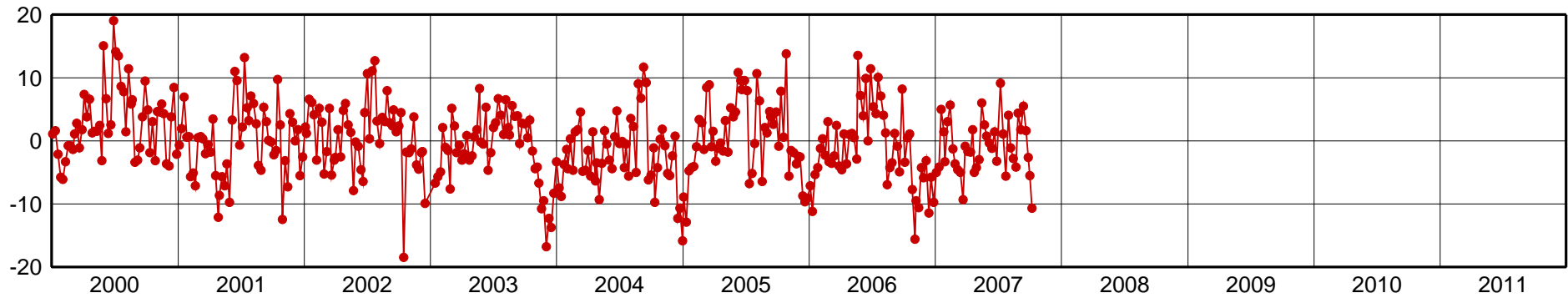
○ SIRGAS Analysis Centre at DGFI



KYW1-East Component [mm]

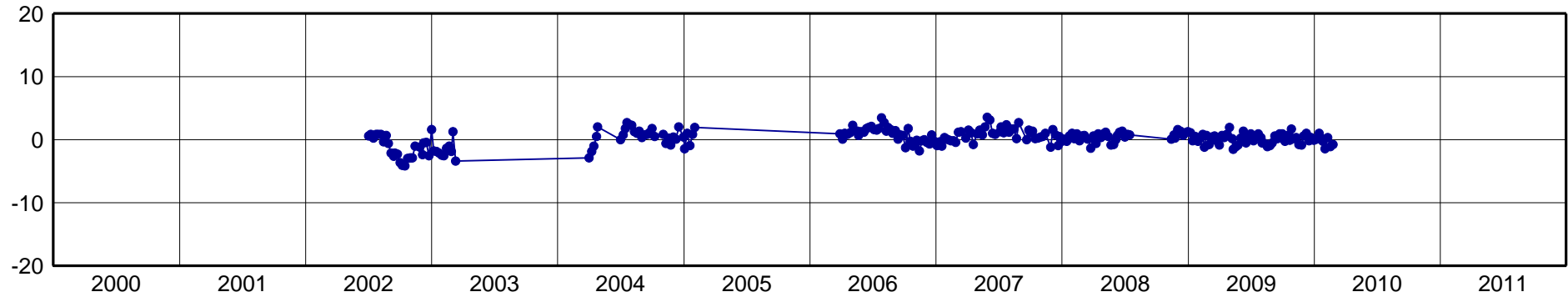


KYW1-Up Component [mm]

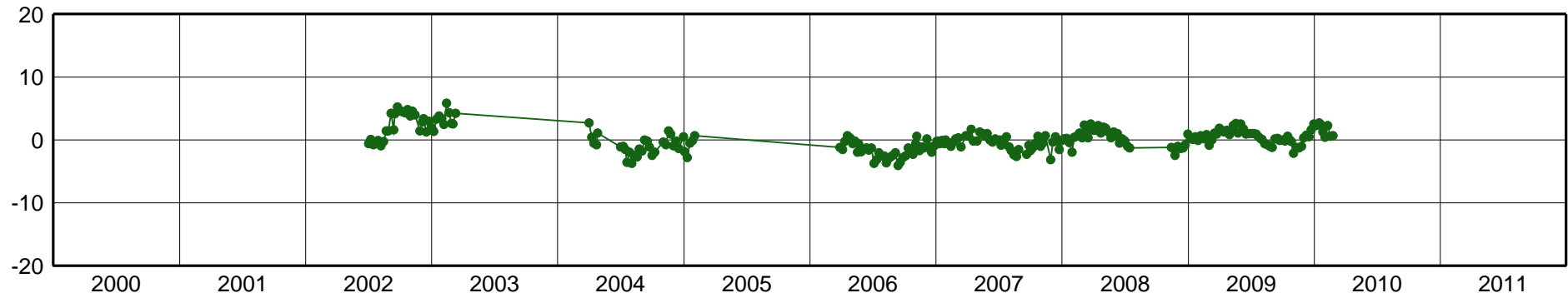


LHCL-North Component [mm]

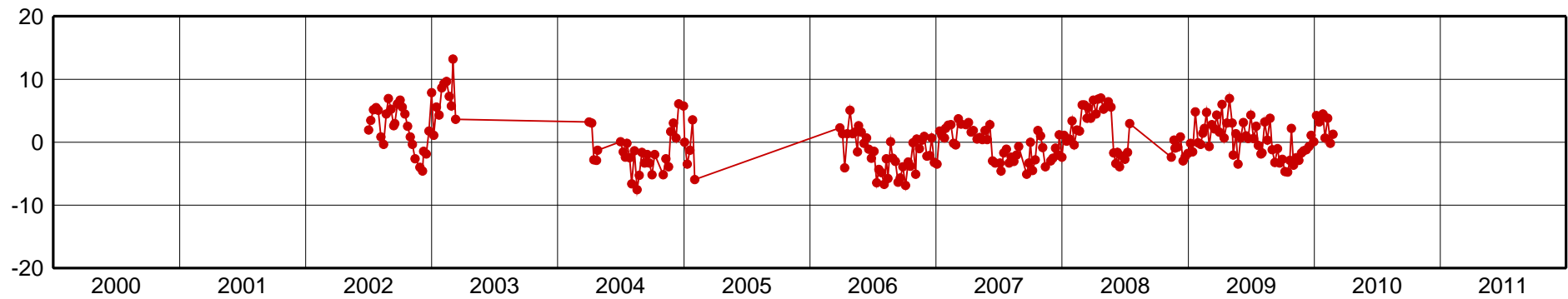
○ SIRGAS Analysis Centre at DGFI



LHCL-East Component [mm]

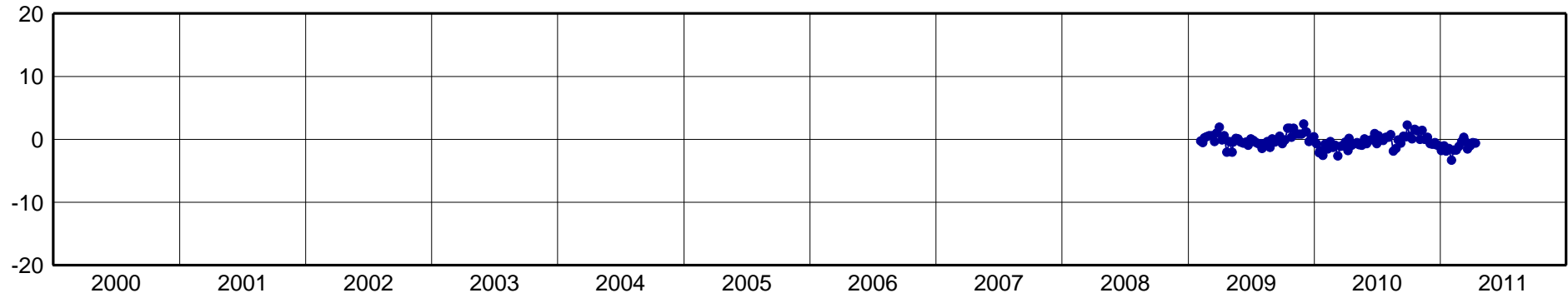


LHCL-Up Component [mm]

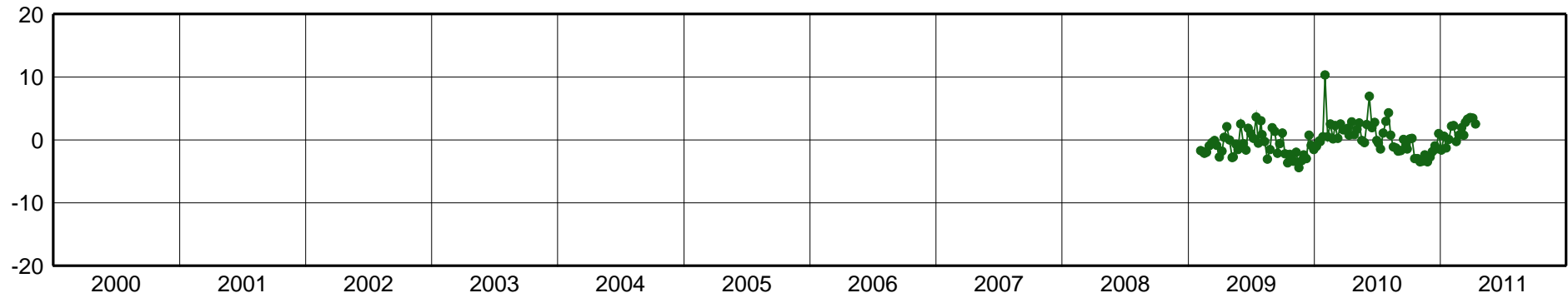


LJEC-North Component [mm]

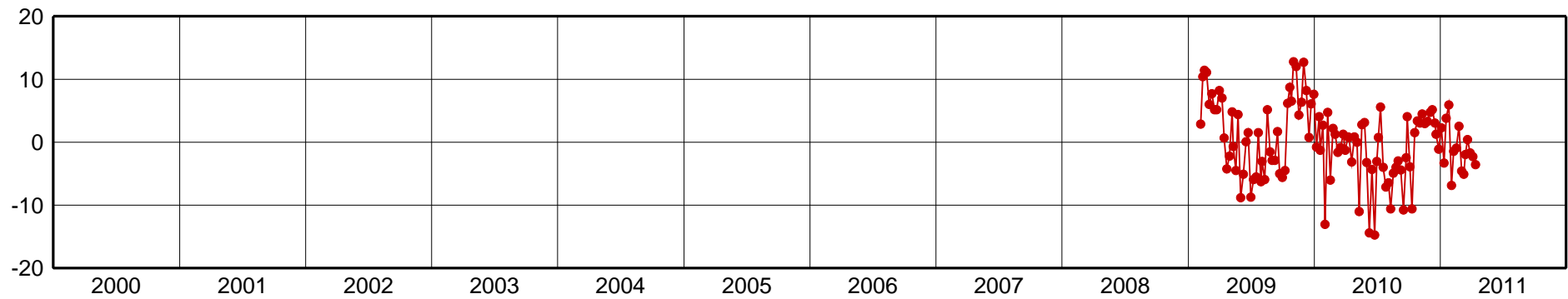
○ SIRGAS Analysis Centre at DGFI



LJEC-East Component [mm]

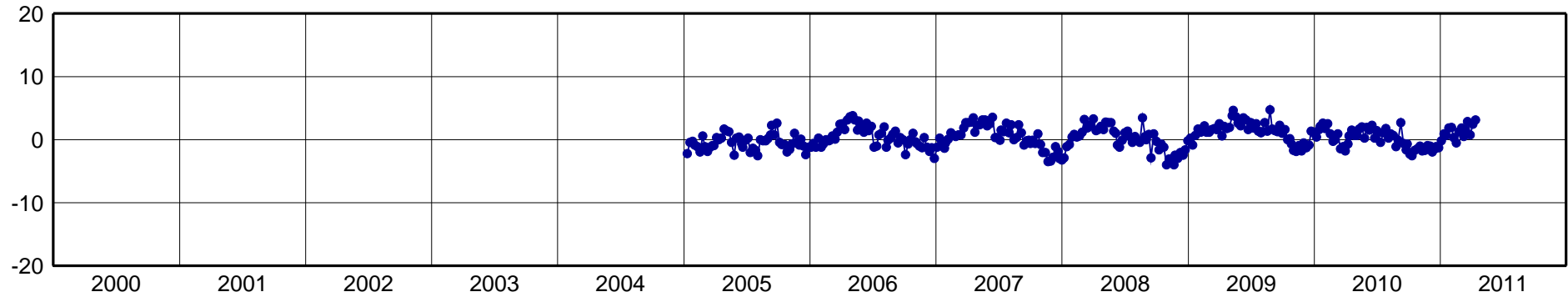


LJEC-Up Component [mm]

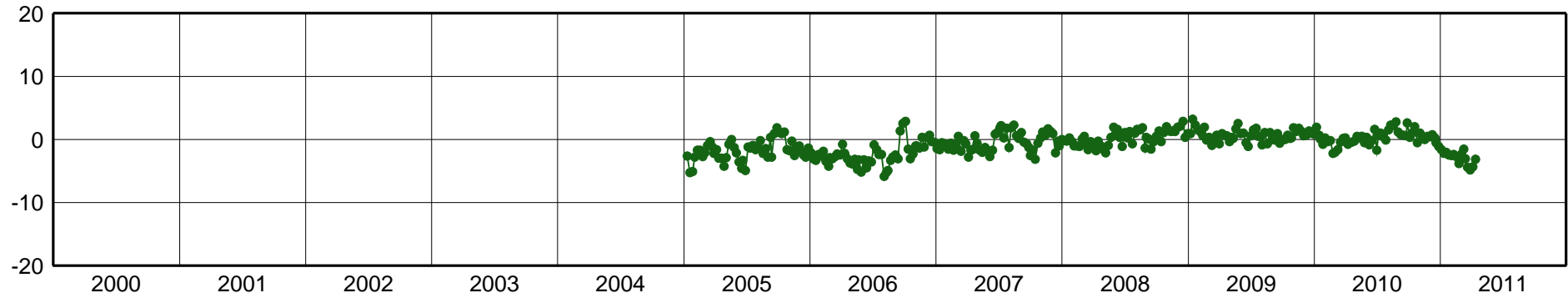


LPAZ-North Component [mm]

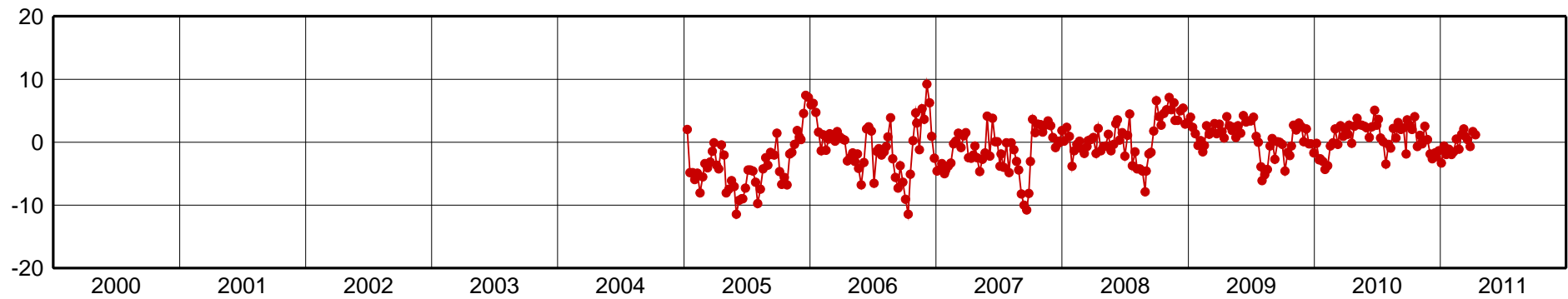
○ SIRGAS Analysis Centre at DGFI



LPAZ-East Component [mm]

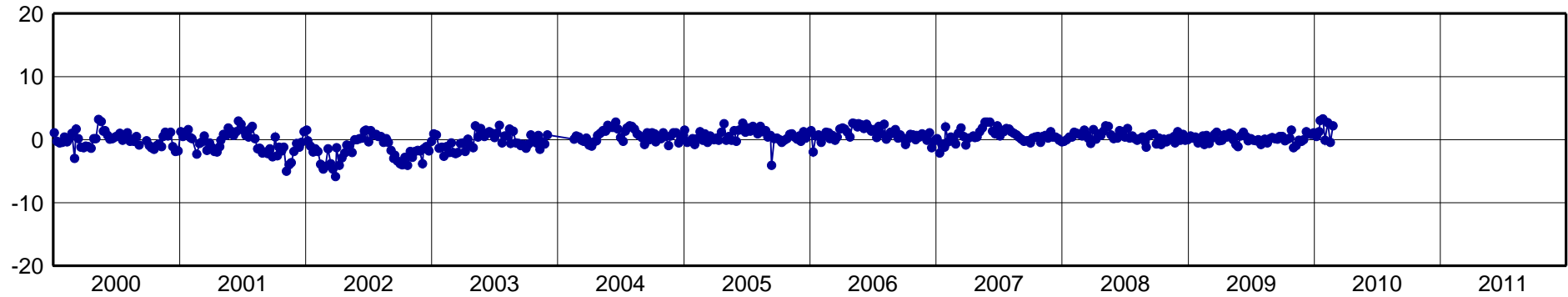


LPAZ-Up Component [mm]

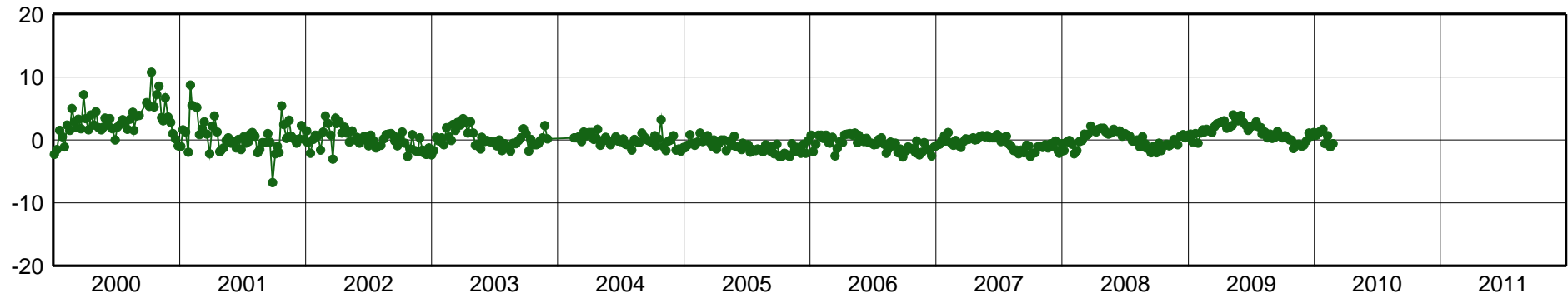


LPGS-North Component [mm]

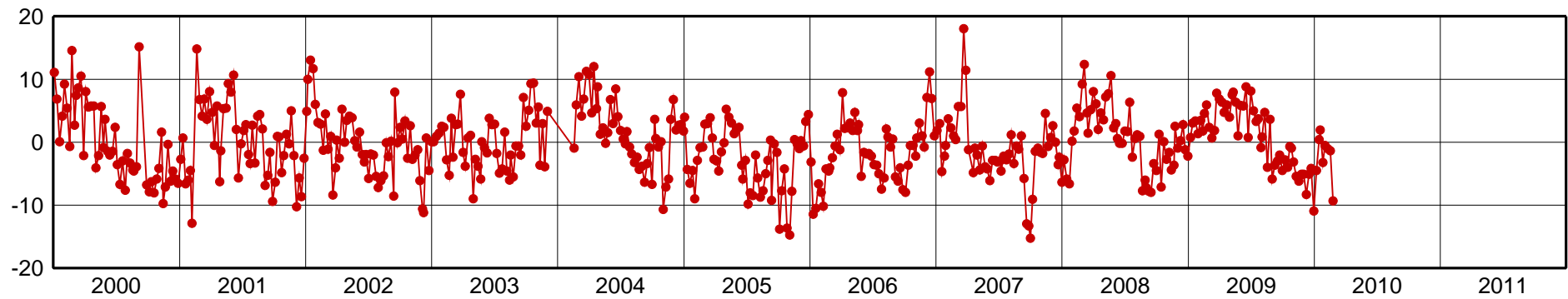
○ SIRGAS Analysis Centre at DGFI



LPGS-East Component [mm]

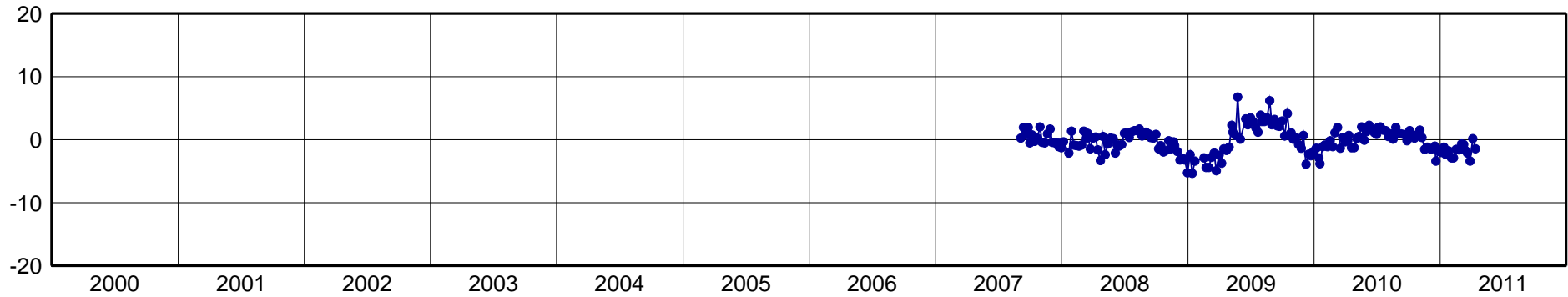


LPGS-Up Component [mm]

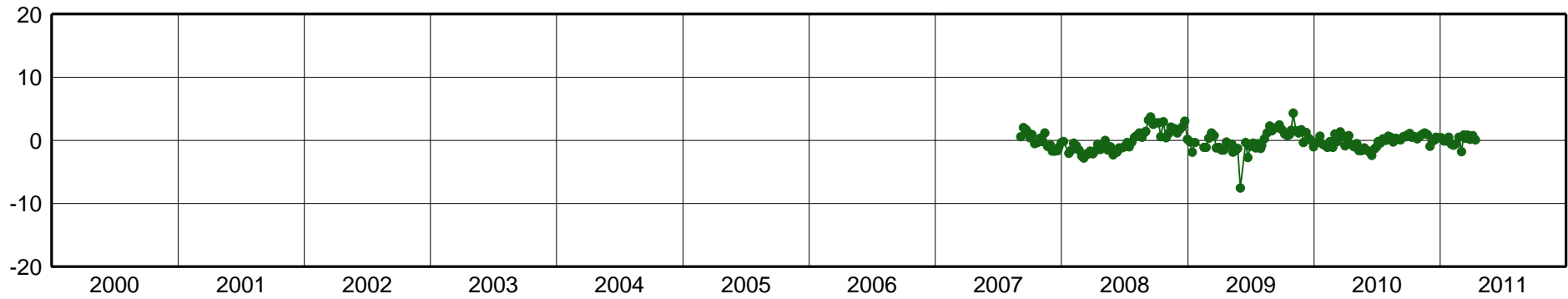


MABA-North Component [mm]

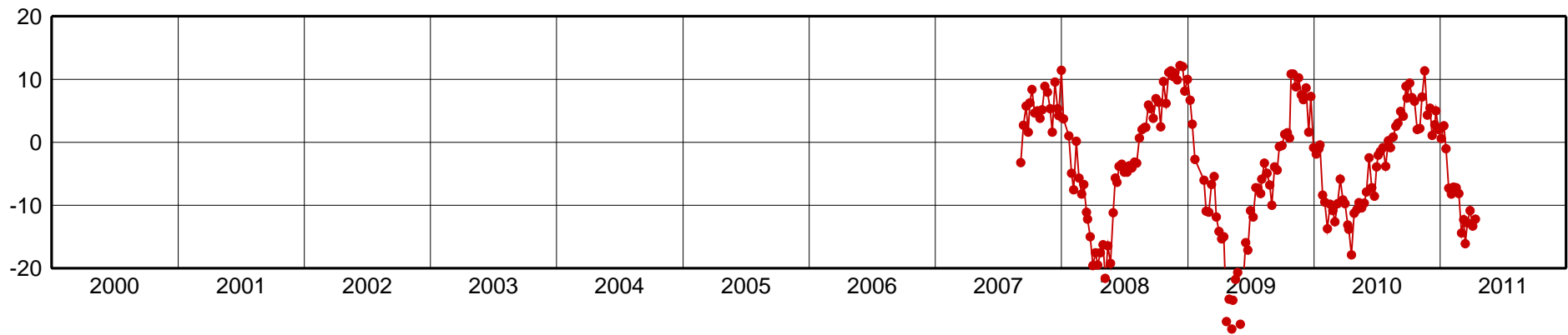
○ SIRGAS Analysis Centre at DGFI



MABA-East Component [mm]

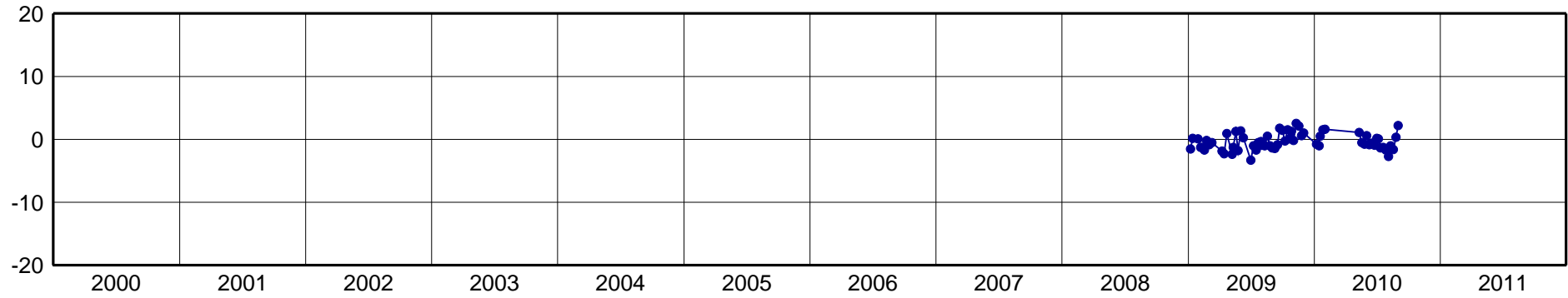


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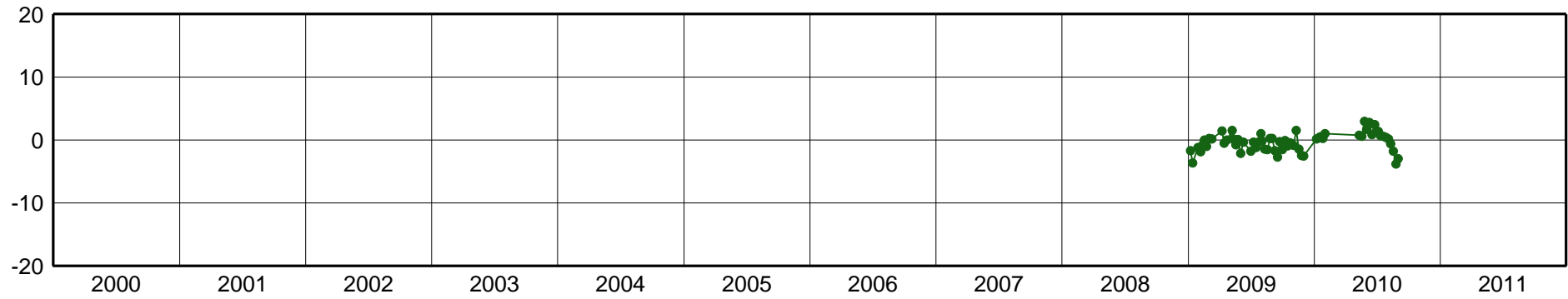


MAGA-North Component [mm]

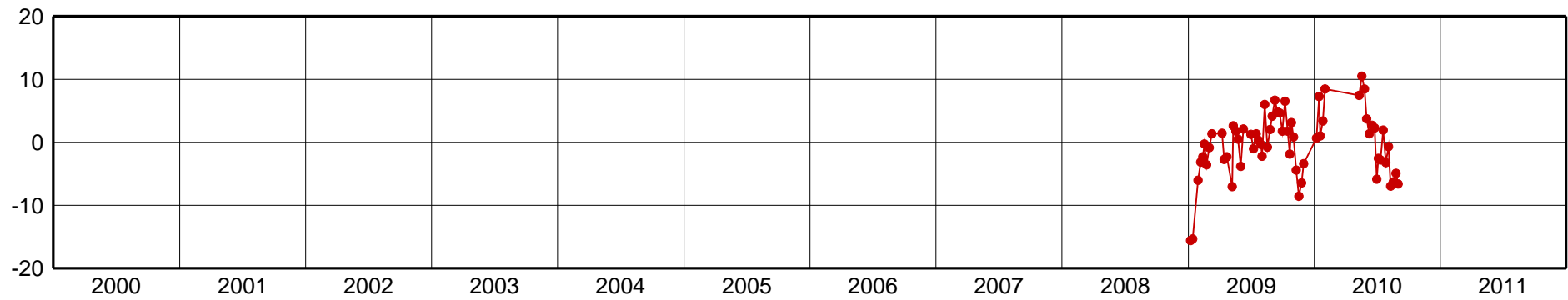
○ SIRGAS Analysis Centre at DGFI



MAGA-East Component [mm]

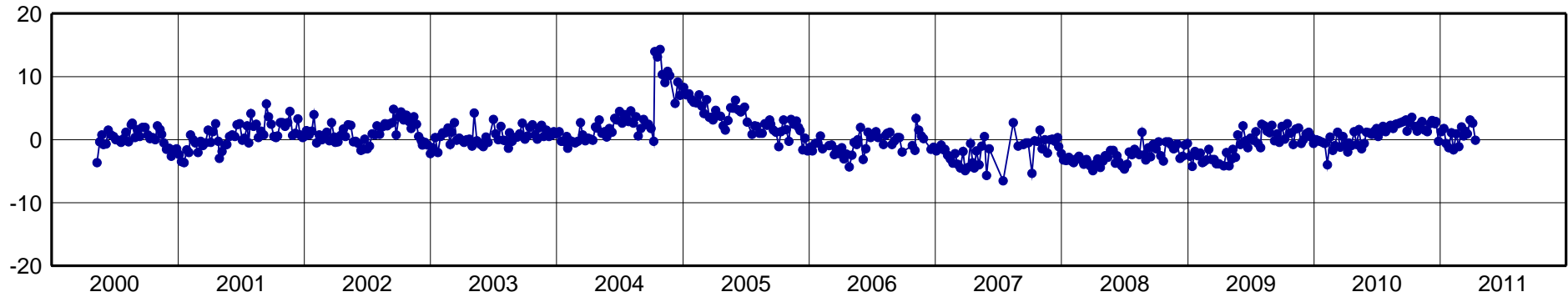


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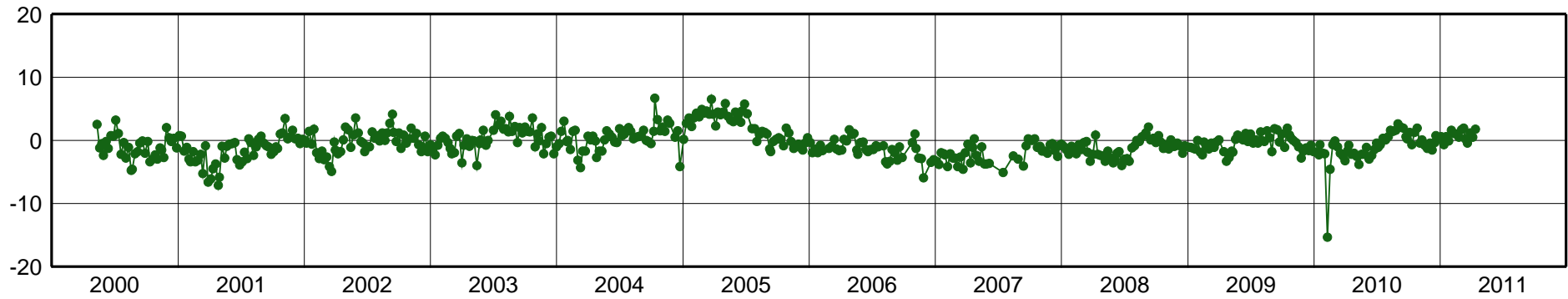


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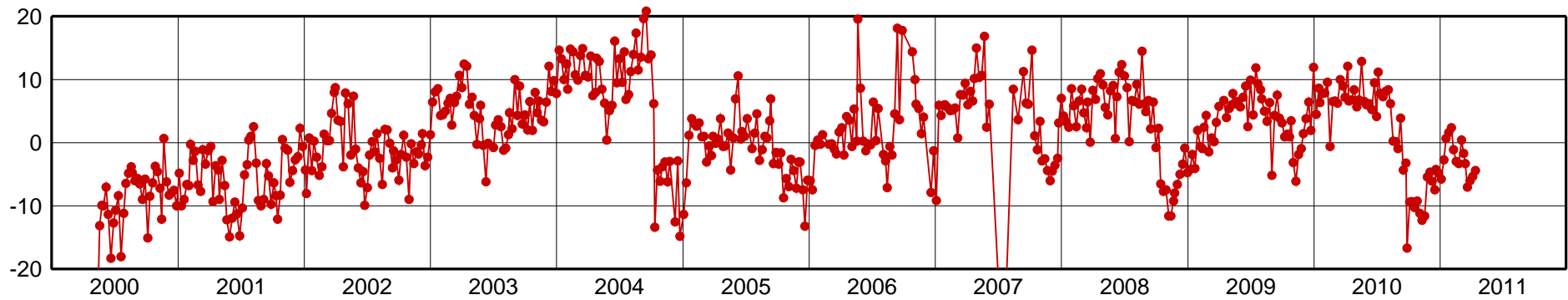
○ SIRGAS Analysis Centre at DGFI



MANA-East Component [mm]



MANA-Up Component [mm]



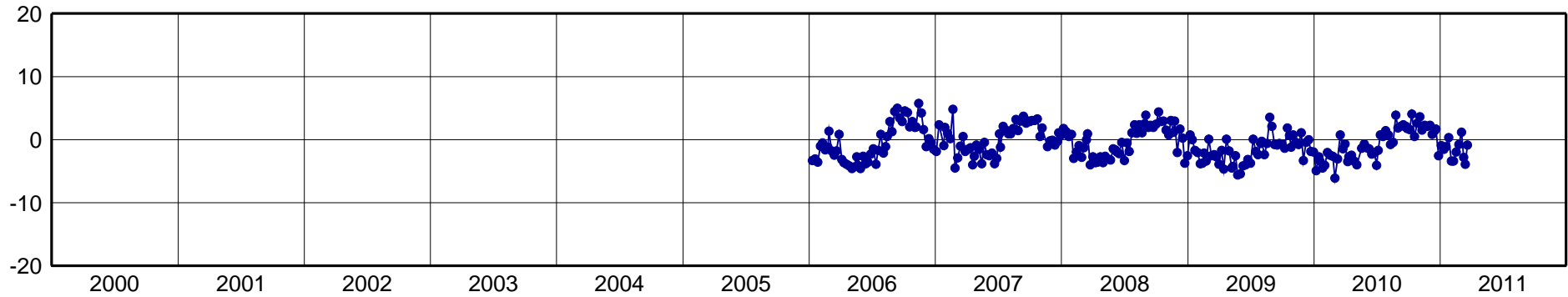
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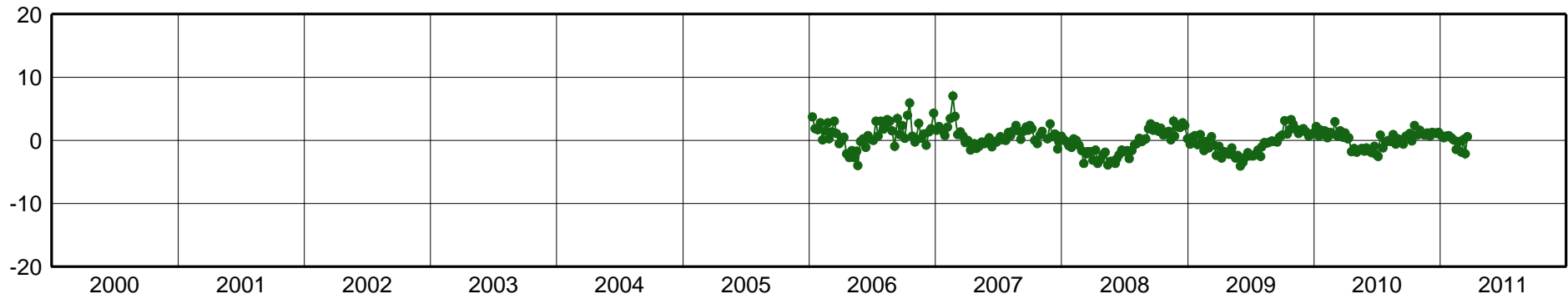


MAPA-North Component [mm]

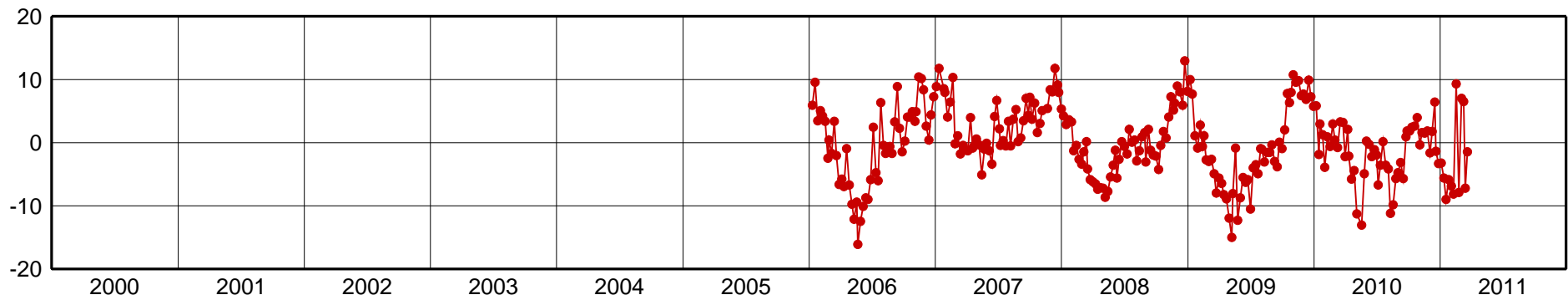
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MAPA-East Component [mm]

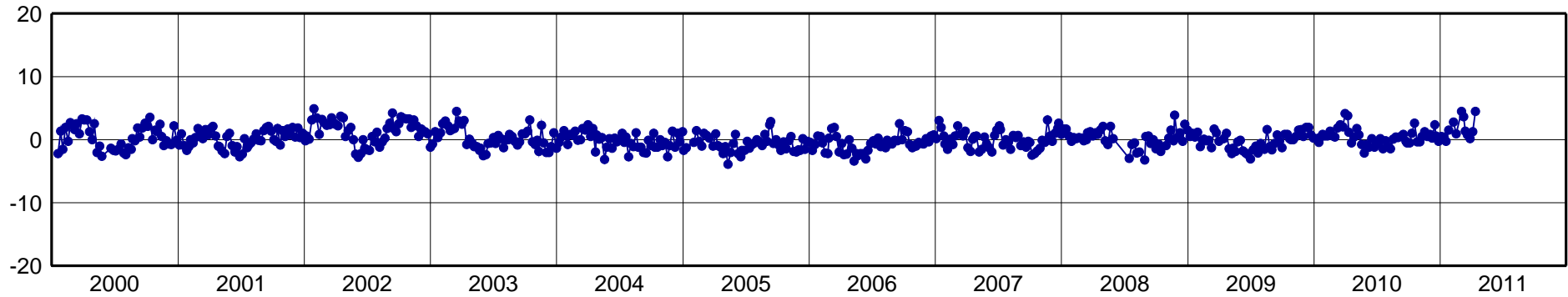


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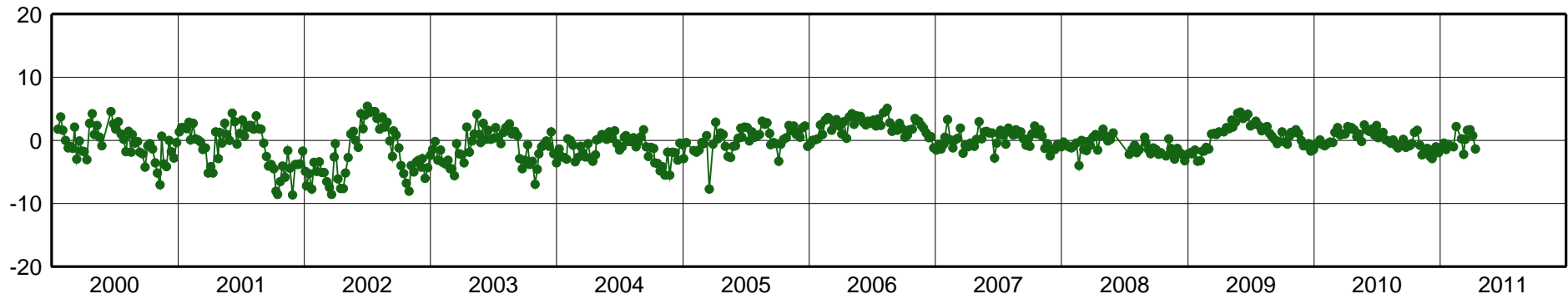


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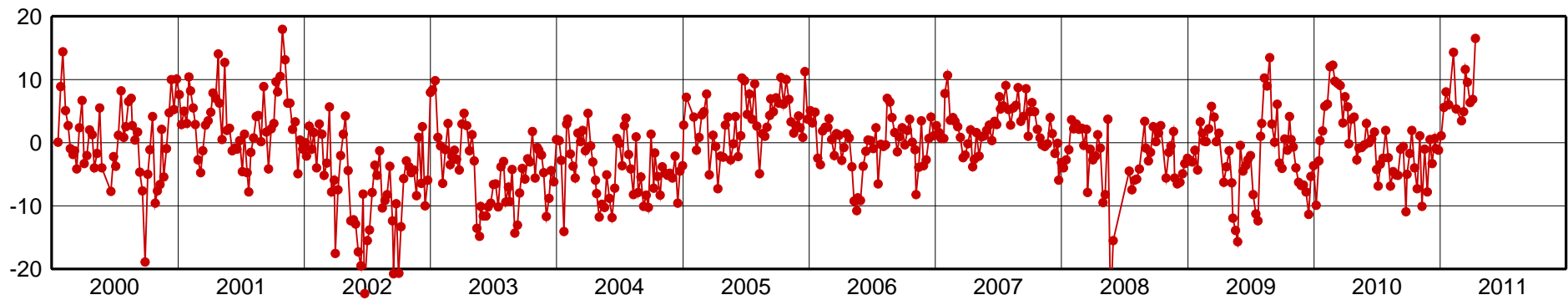
○ SIRGAS Analysis Centre at DGFI



MARA-East Component [mm]

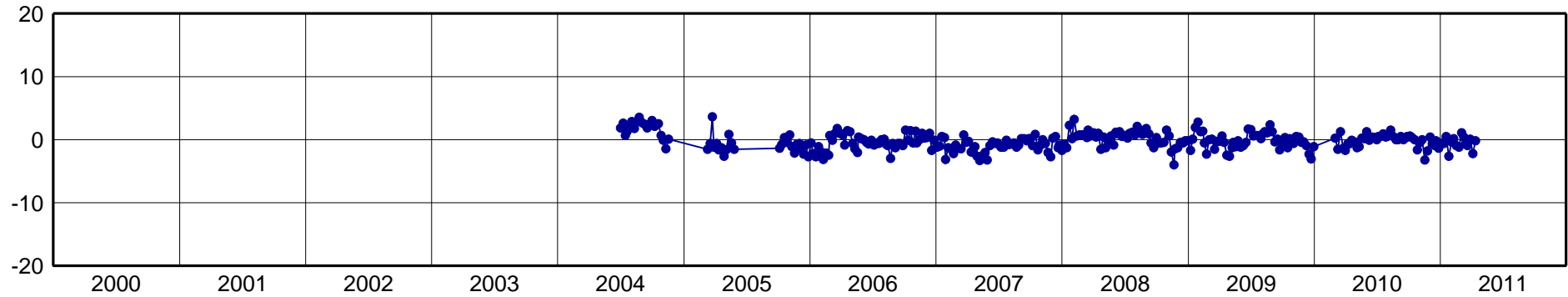


MARA-Up Component [mm]

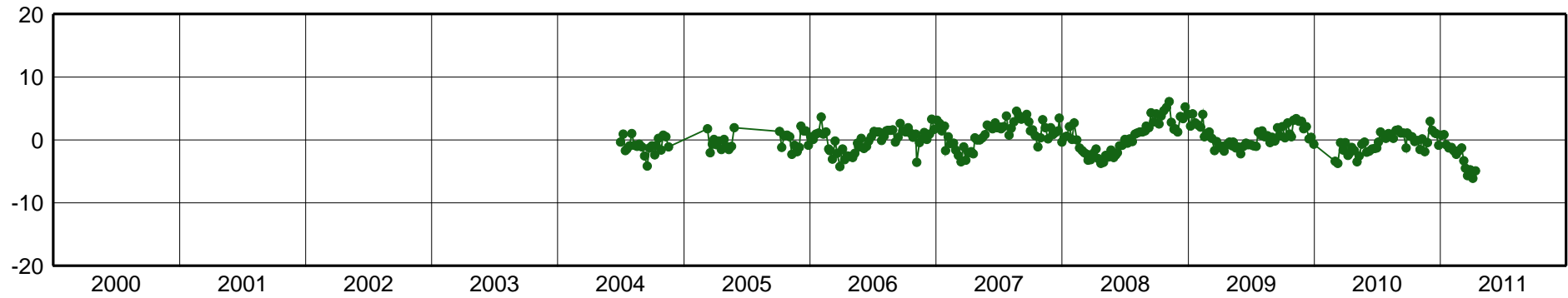


MCLA-North Component [mm]

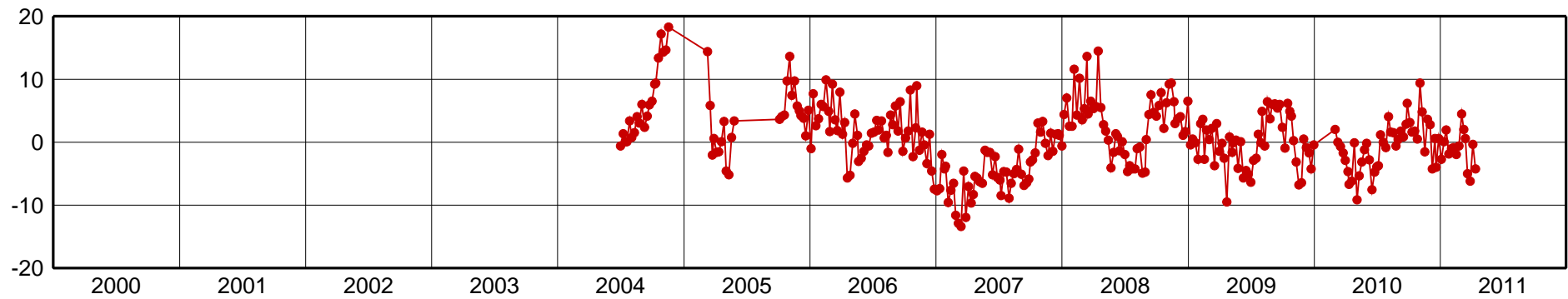
○ SIRGAS Analysis Centre at DGFI



MCLA-East Component [mm]

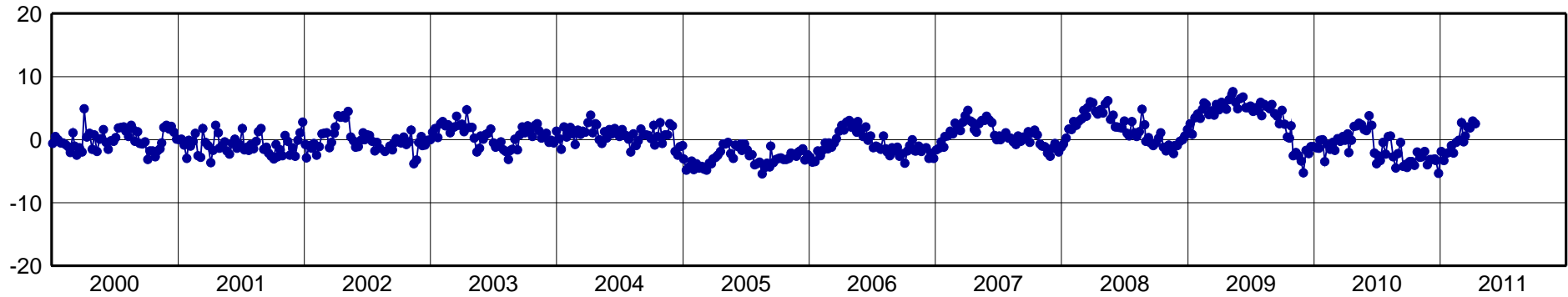


MCLA-Up Component [mm]

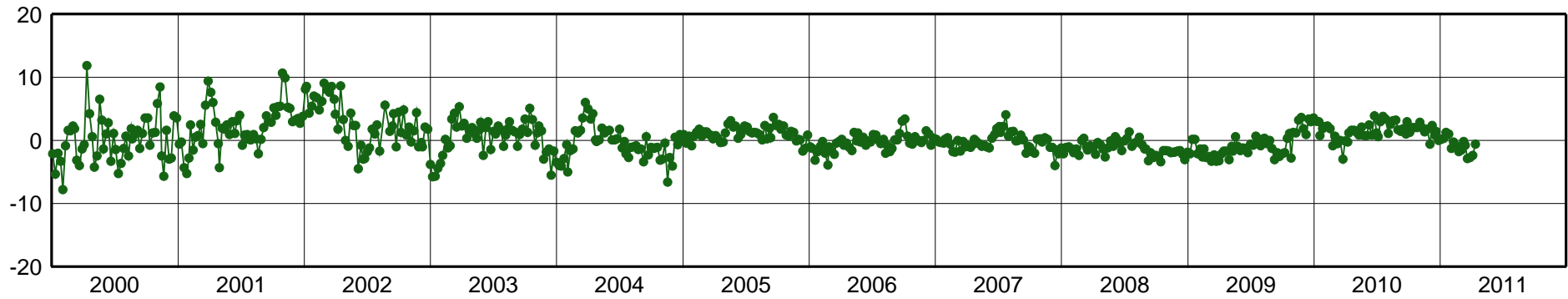


MDO1-North Component [mm]

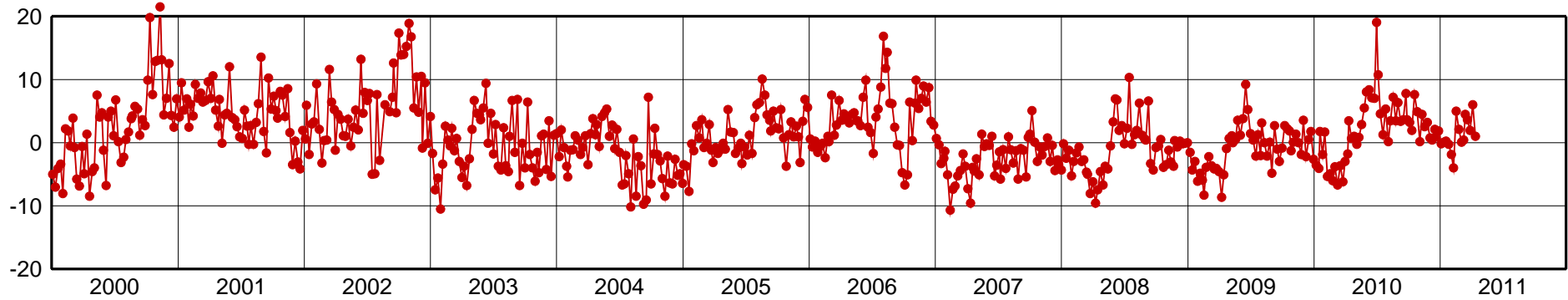
○ SIRGAS Analysis Centre at DGFI



MDO1-East Component [mm]

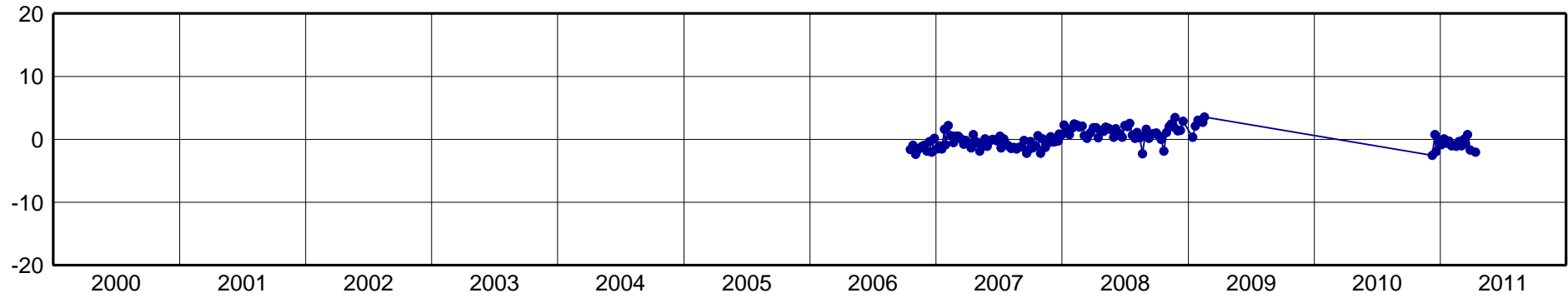


MDO1-Up Component [mm]

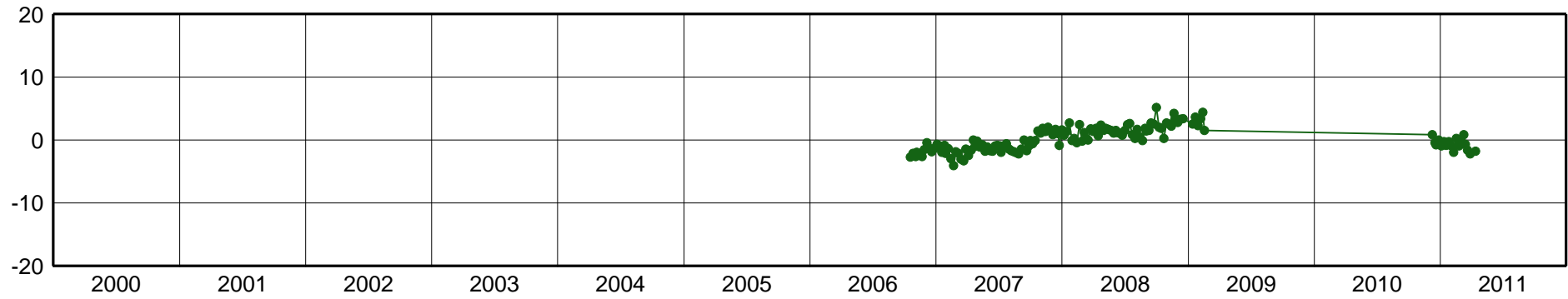


MECO-North Component [mm]

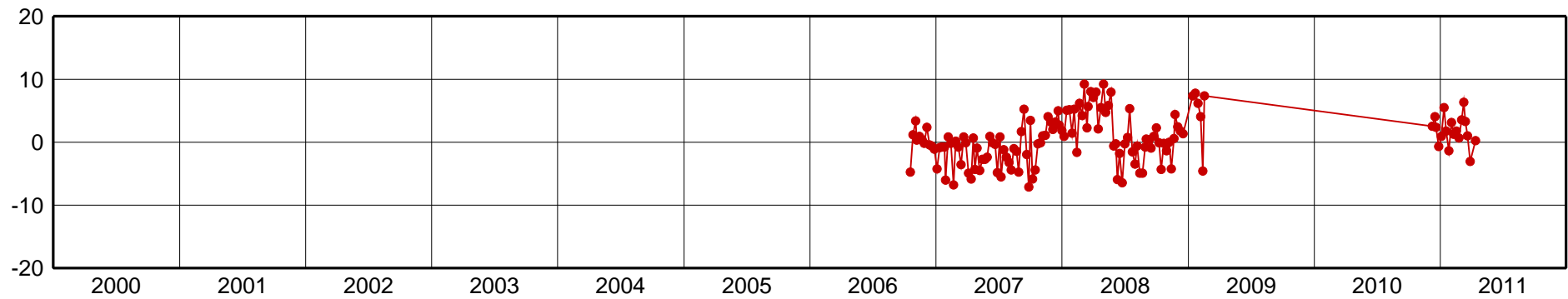
○ SIRGAS Analysis Centre at DGFI



MECO-East Component [mm]

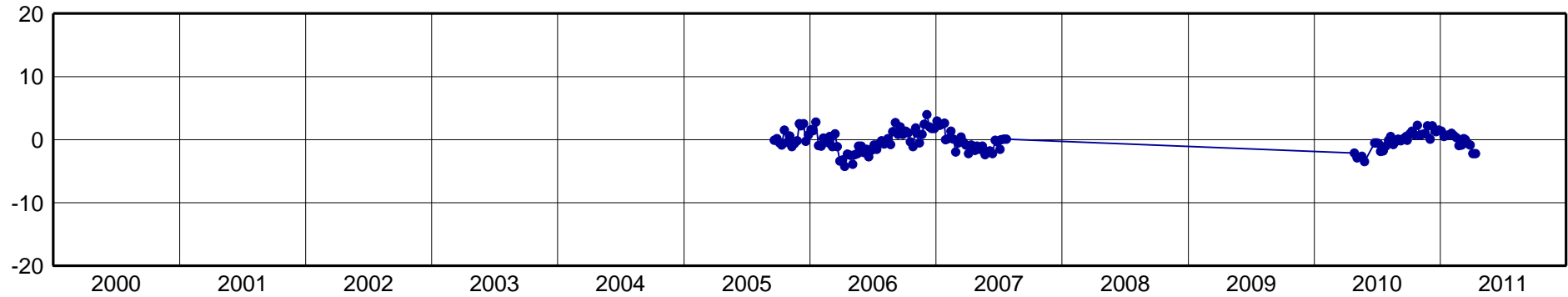


MECO-Up Component [mm]

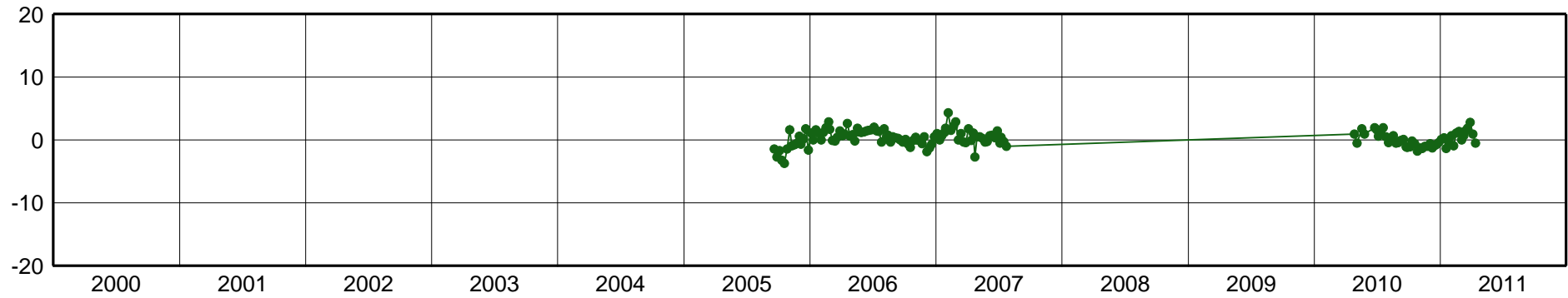


MEDE-North Component [mm]

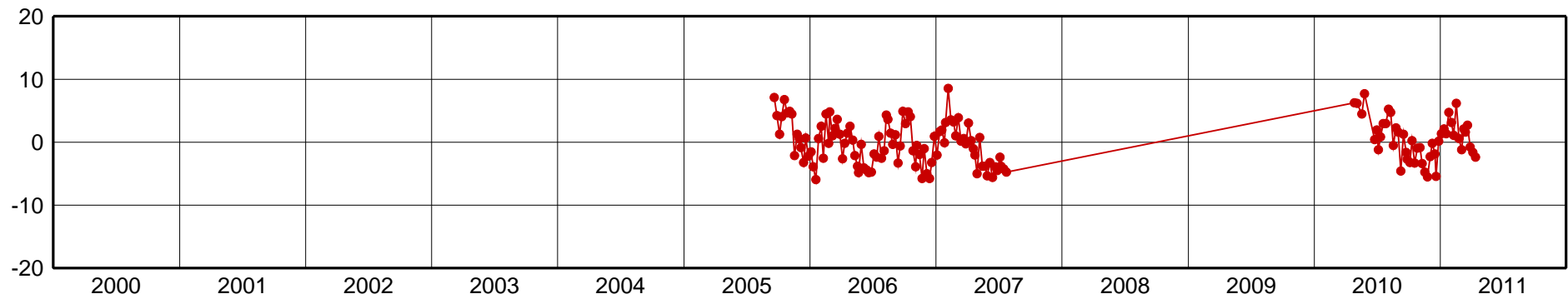
○ SIRGAS Analysis Centre at DGFI



MEDE-East Component [mm]

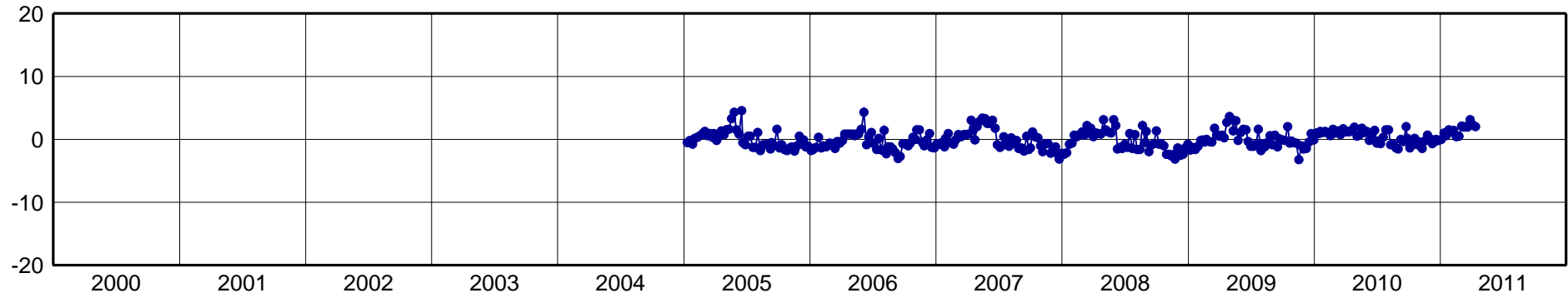


MEDE-Up Component [mm]

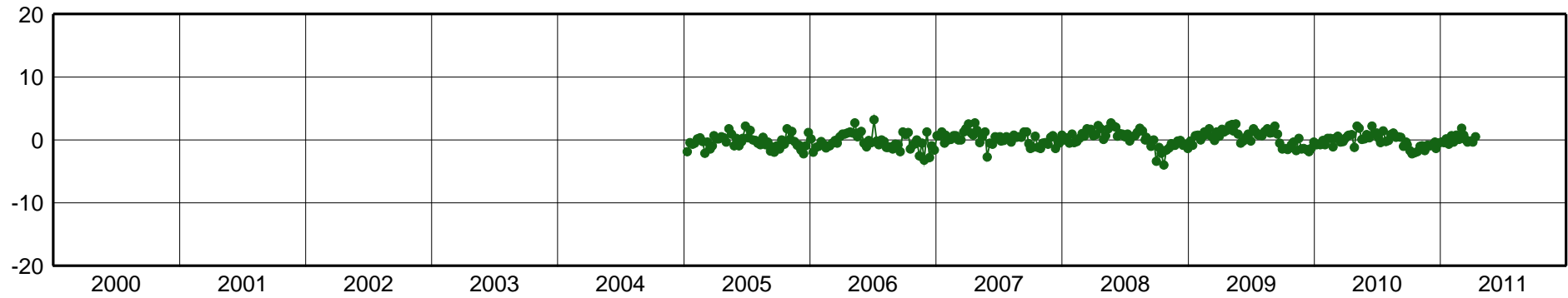


MERI-North Component [mm]

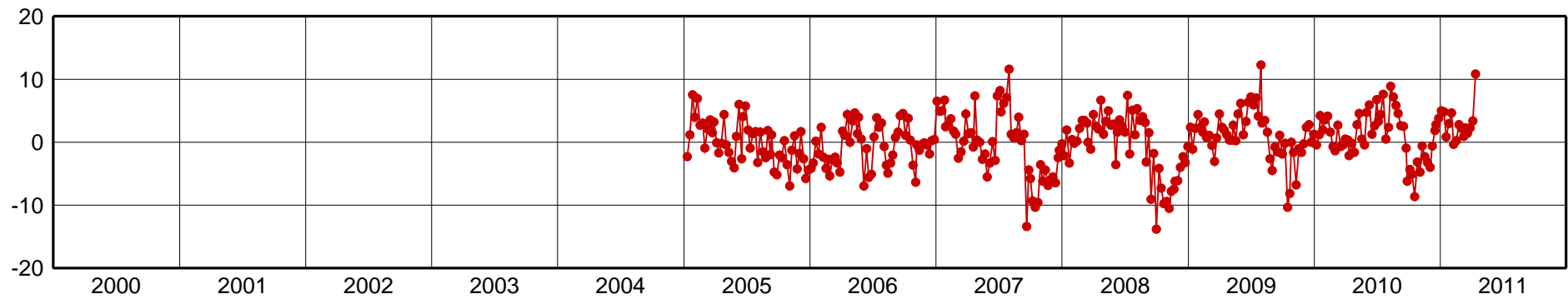
○ SIRGAS Analysis Centre at DGFI



MERI-East Component [mm]

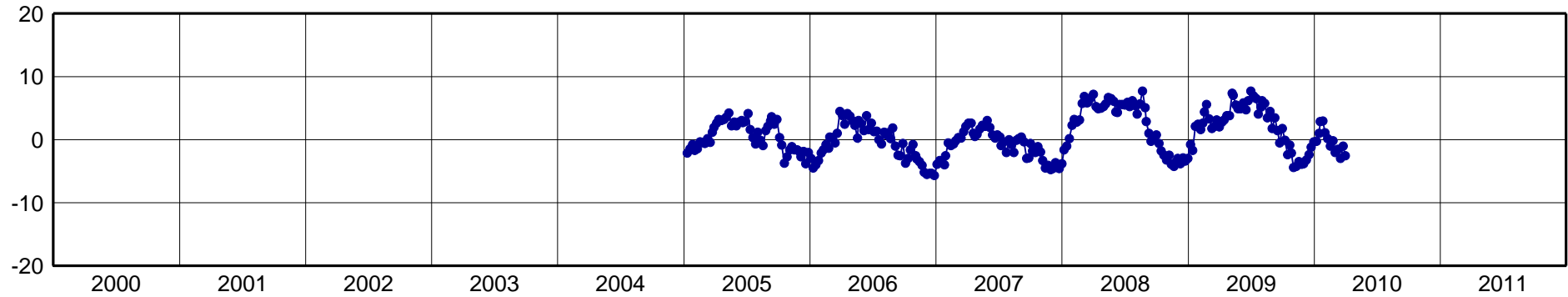


MERI-Up Component [mm]

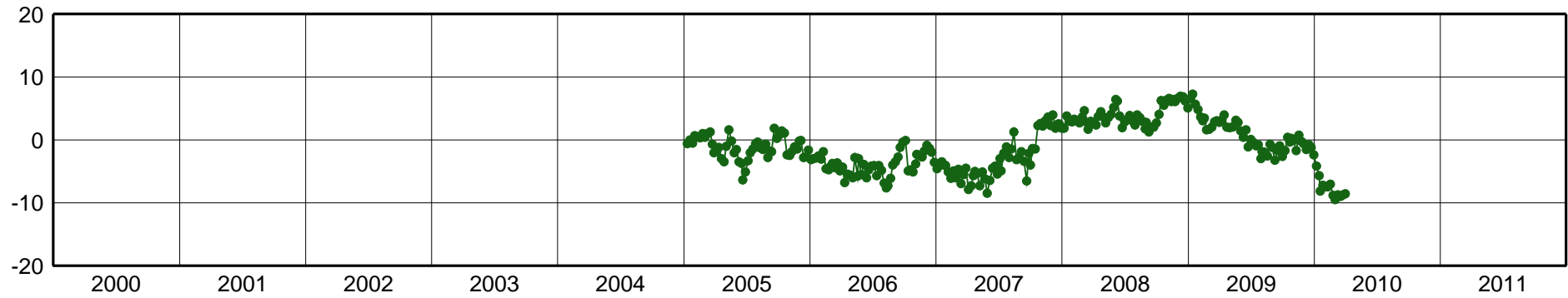


MEXI-North Component [mm]

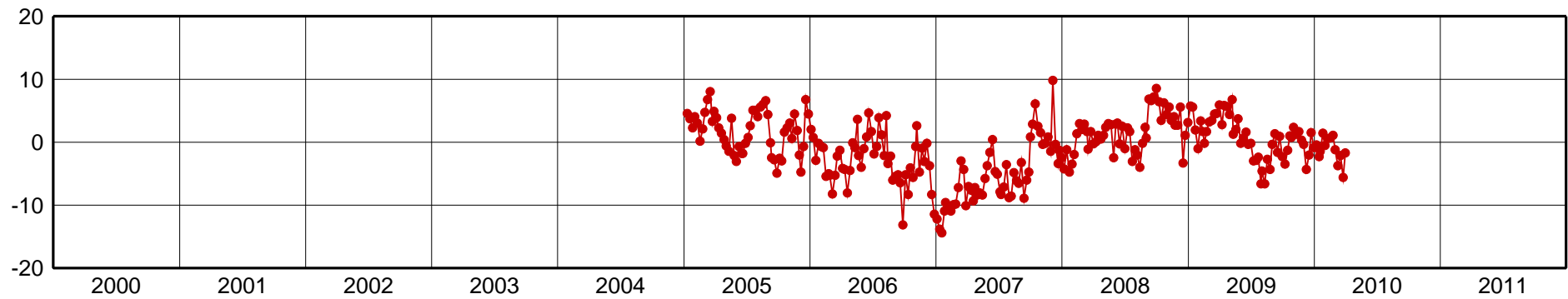
○ SIRGAS Analysis Centre at DGFI



MEXI-East Component [mm]



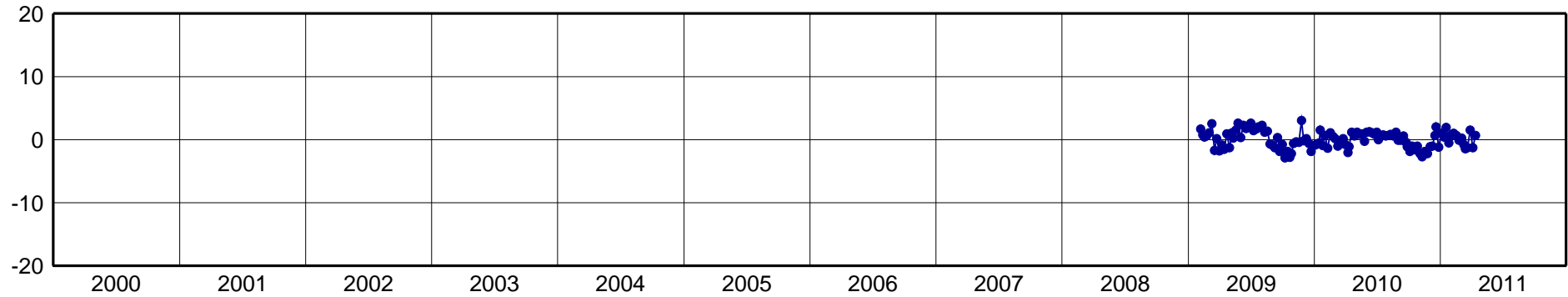
MEXI-Up Component [mm]



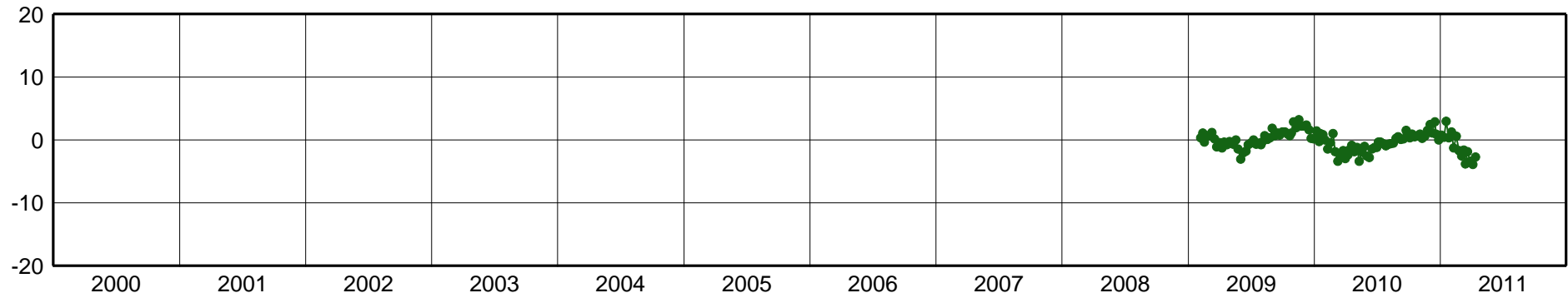


MGBH-North Component [mm]

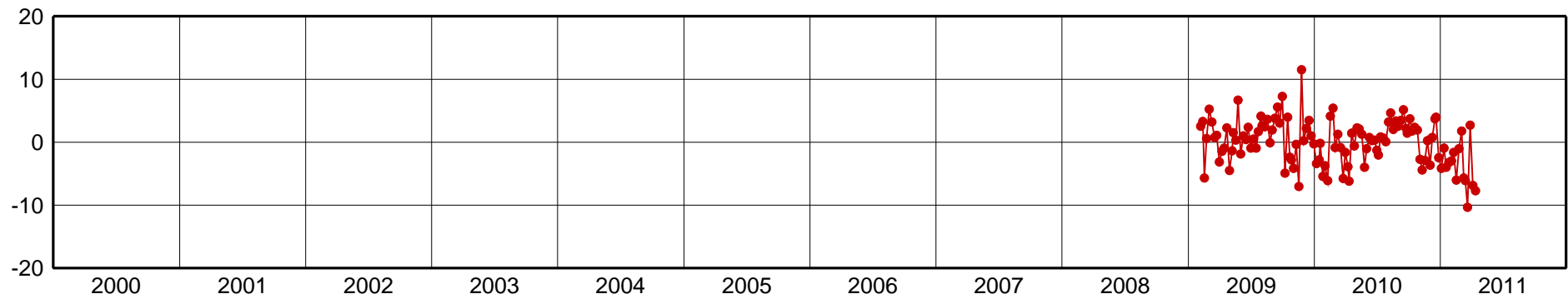
○ SIRGAS Analysis Centre at DGFI



MGBH-East Component [mm]

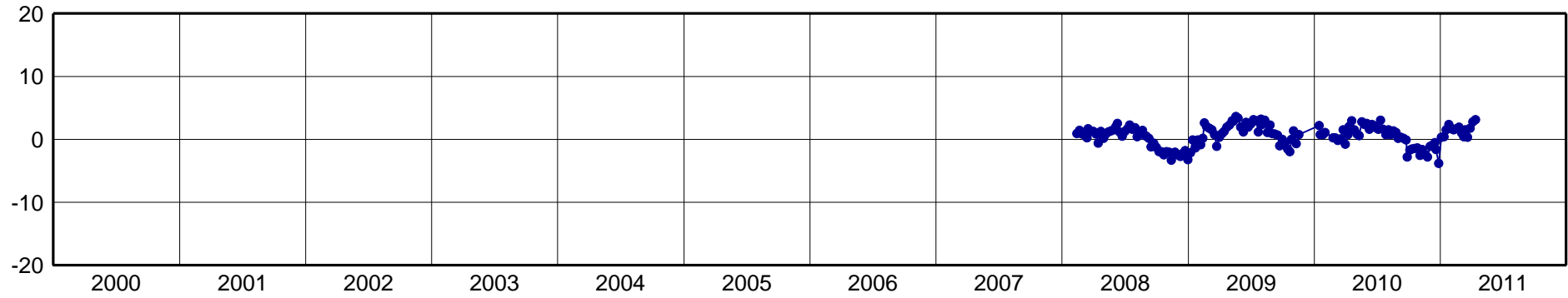


MGBH-Up Component [mm]

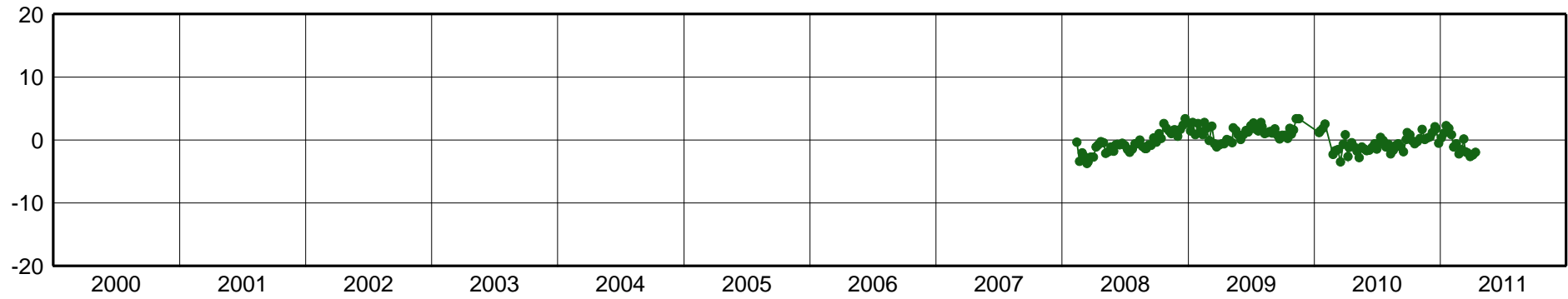


MGIN-North Component [mm]

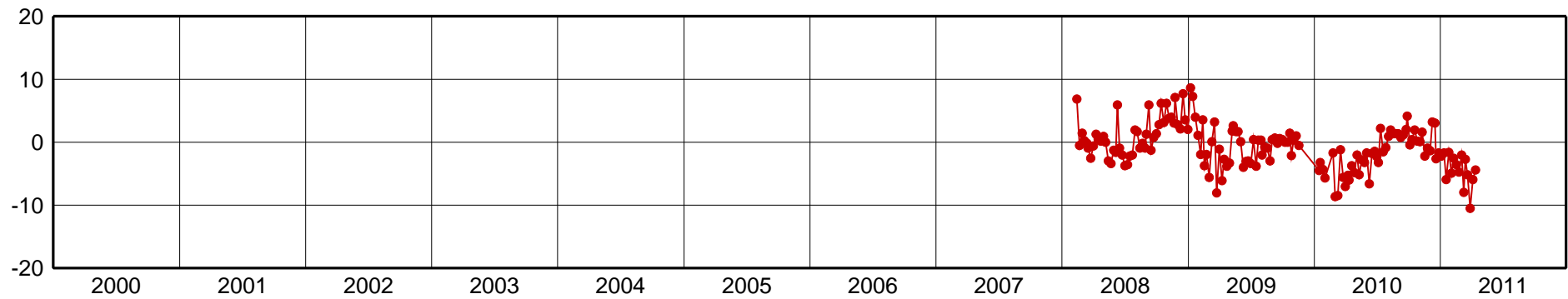
○ SIRGAS Analysis Centre at DGFI



MGIN-East Component [mm]

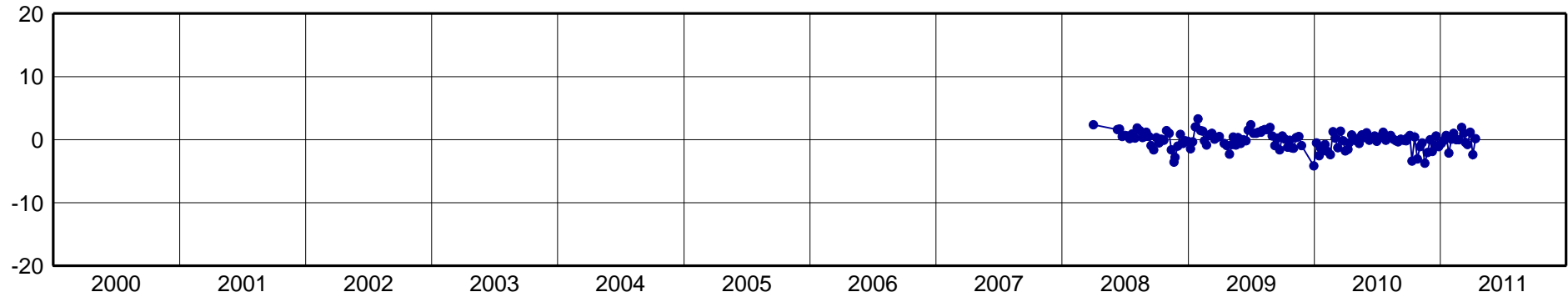


MGIN-Up Component [mm]

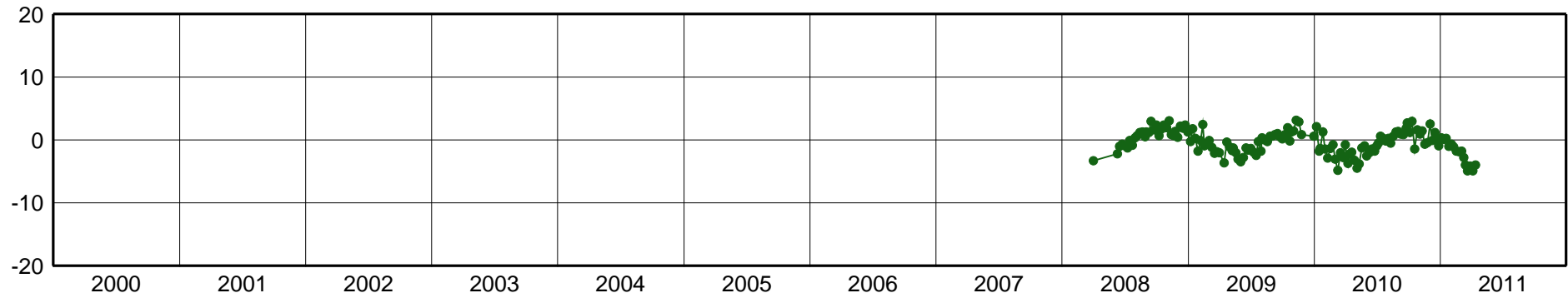


MGMC-North Component [mm]

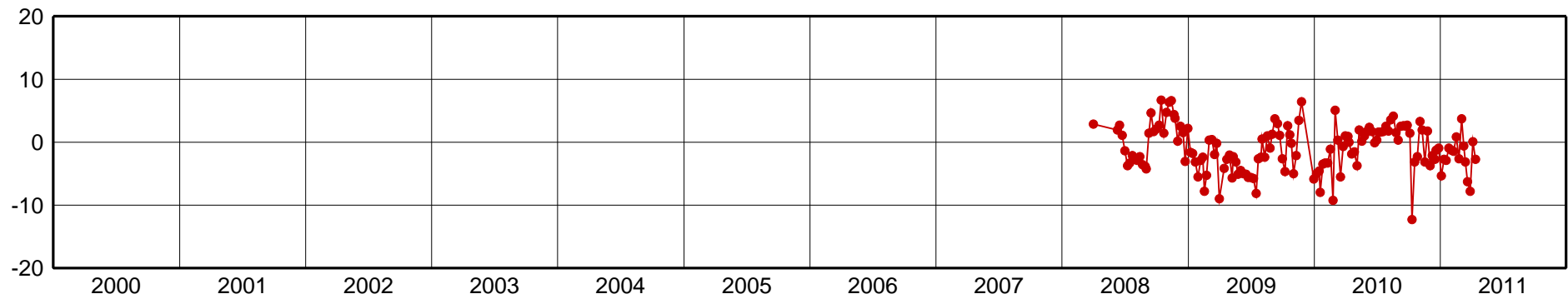
○ SIRGAS Analysis Centre at DGFI



MGMC-East Component [mm]

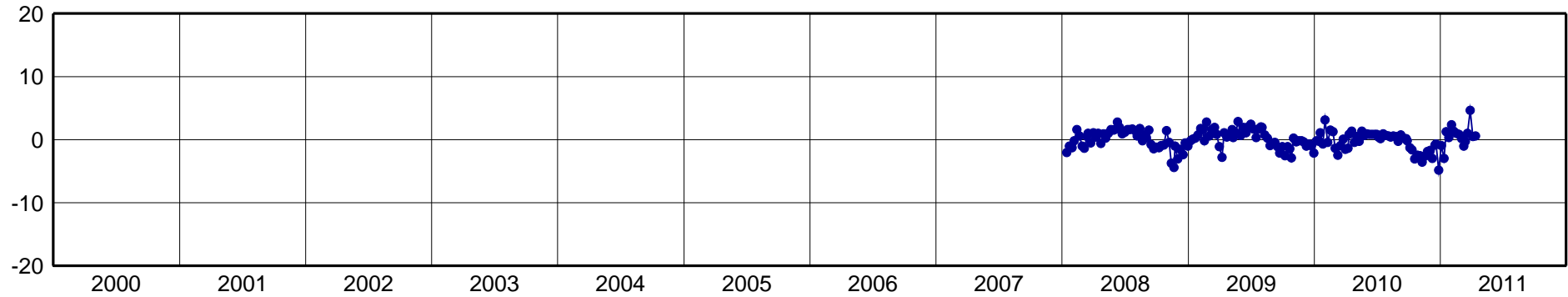


MGMC-Up Component [mm]

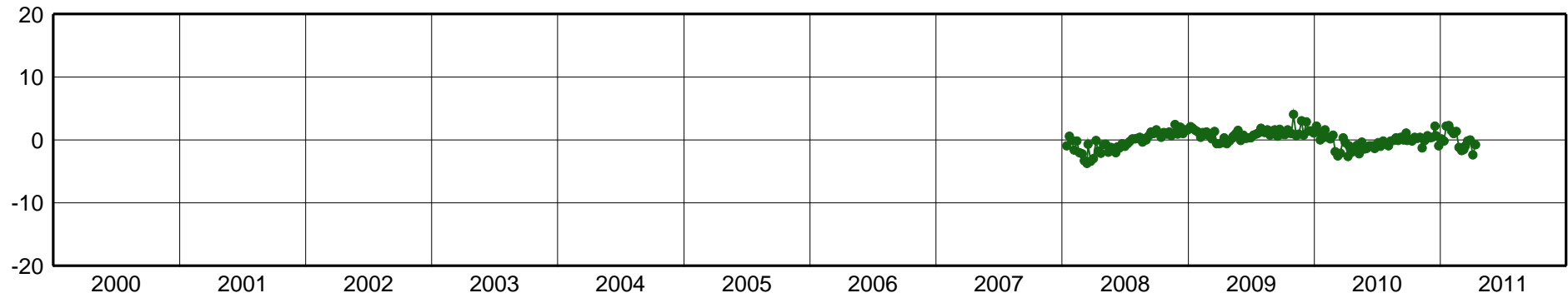


MGUB-North Component [mm]

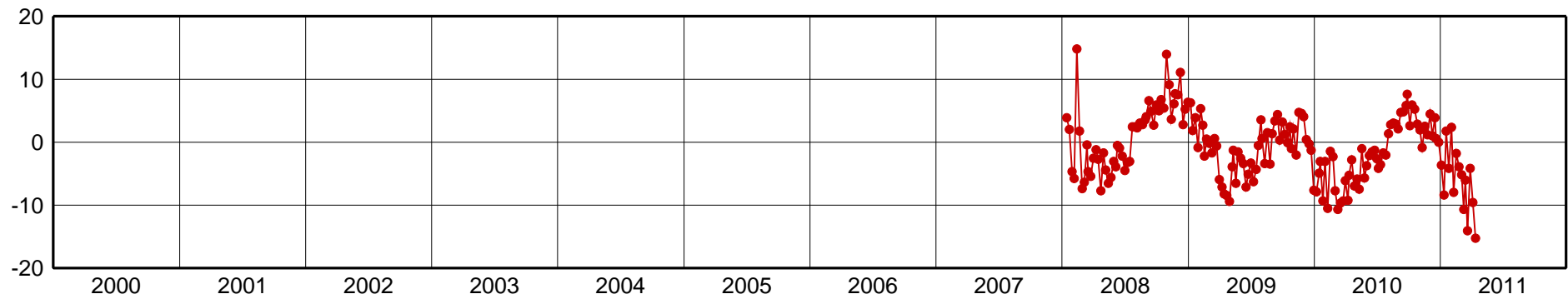
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MGUB-East Component [mm]

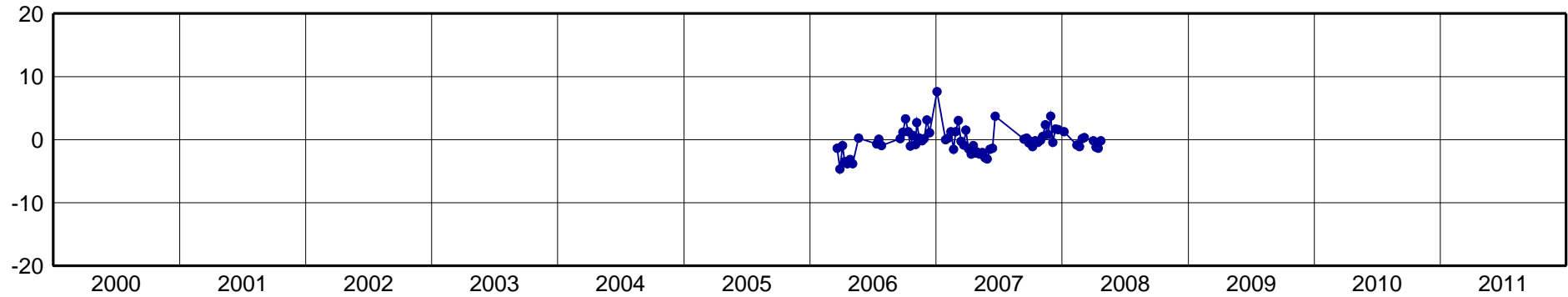


MGUB-Up Component [mm]

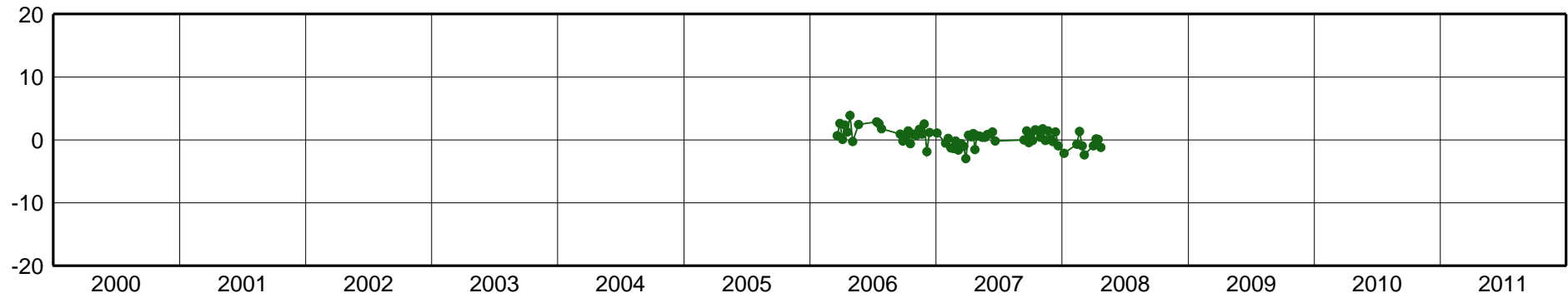


MOTE-North Component [mm]

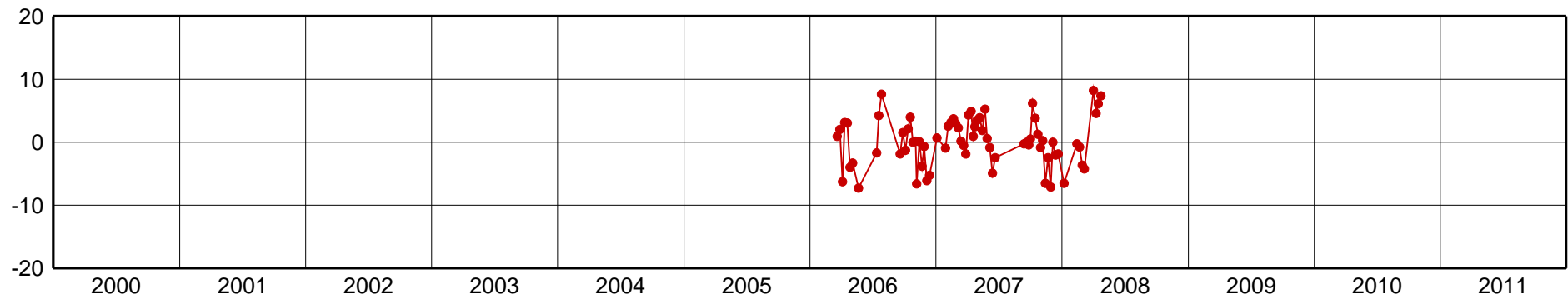
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MOTE-East Component [mm]

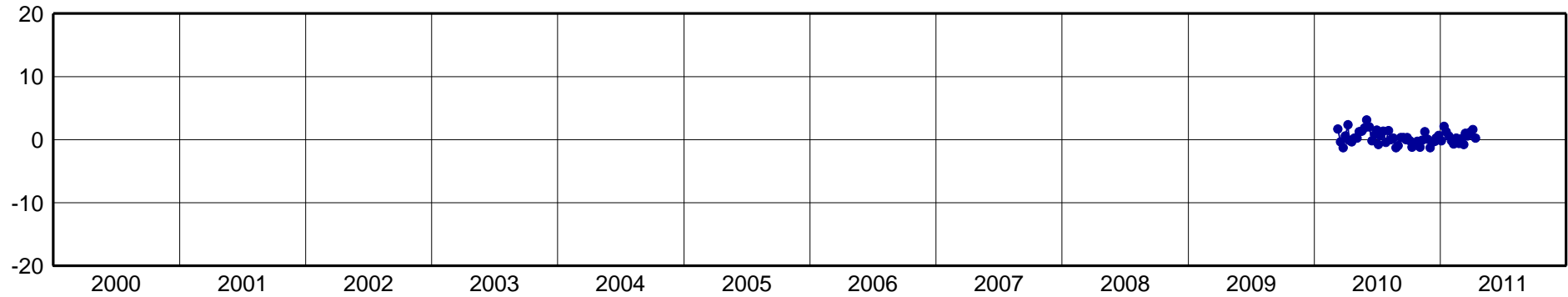


MOTE-Up Component [mm]

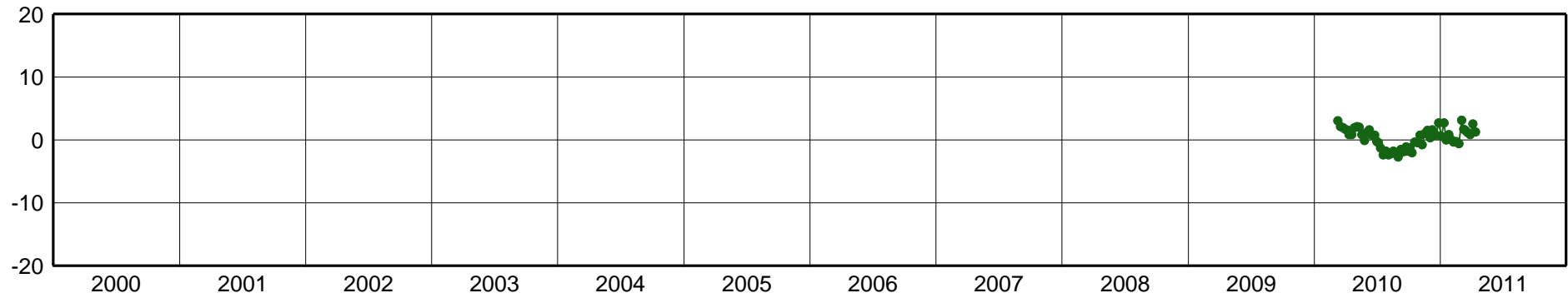


MPL2-North Component [mm]

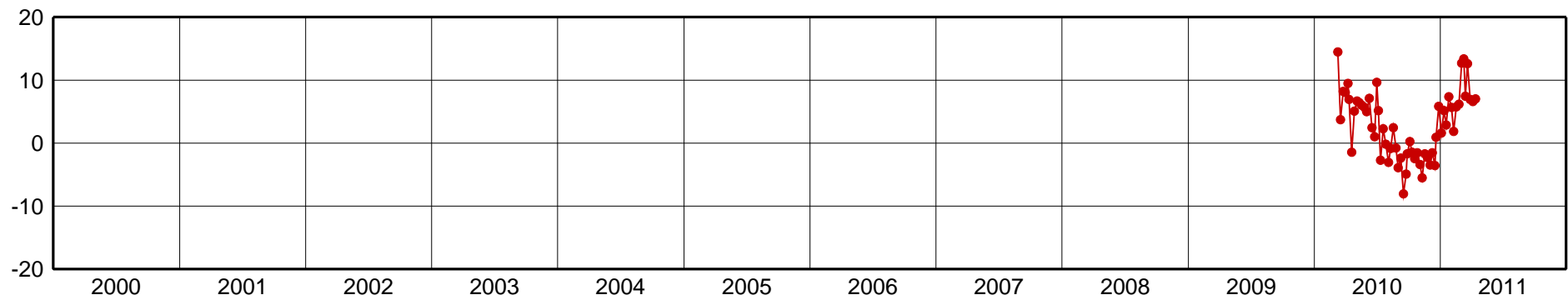
○ SIRGAS Analysis Centre at DGFI



MPL2-East Component [mm]

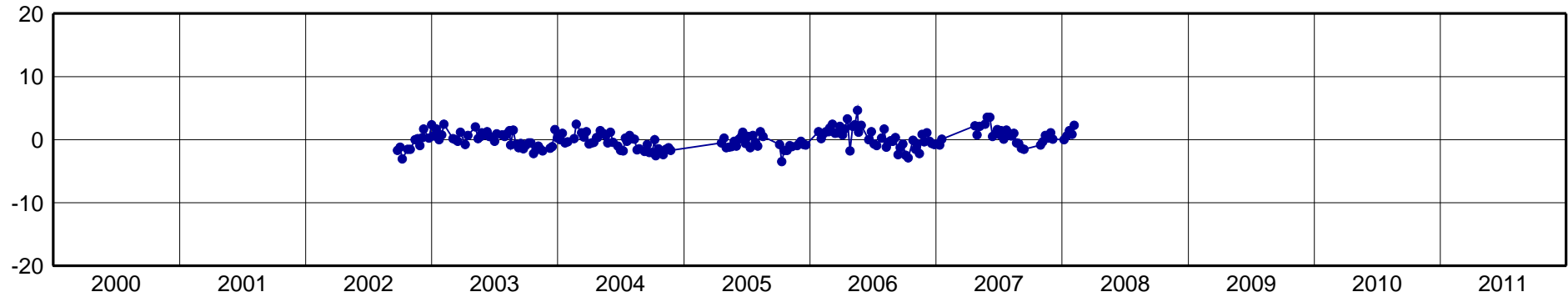


MPL2-Up Component [mm]

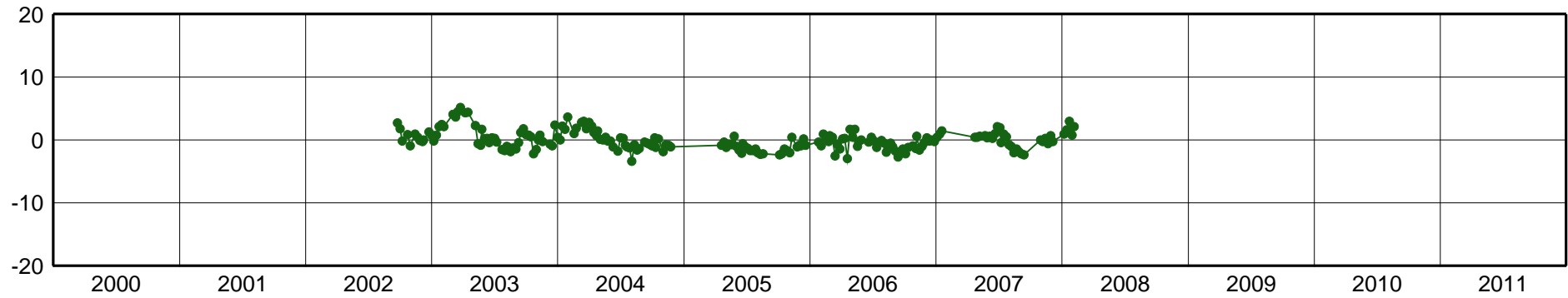


MPLA-North Component [mm]

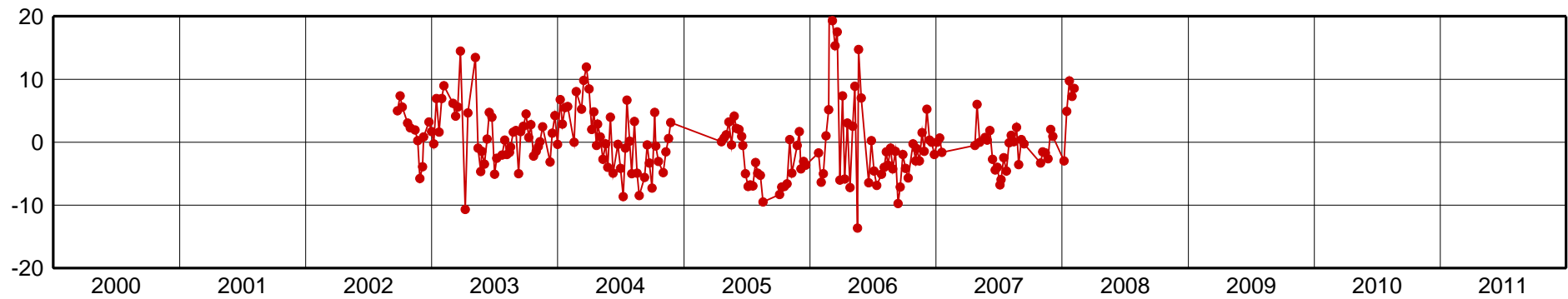
○ SIRGAS Analysis Centre at DGFI



MPLA-East Component [mm]

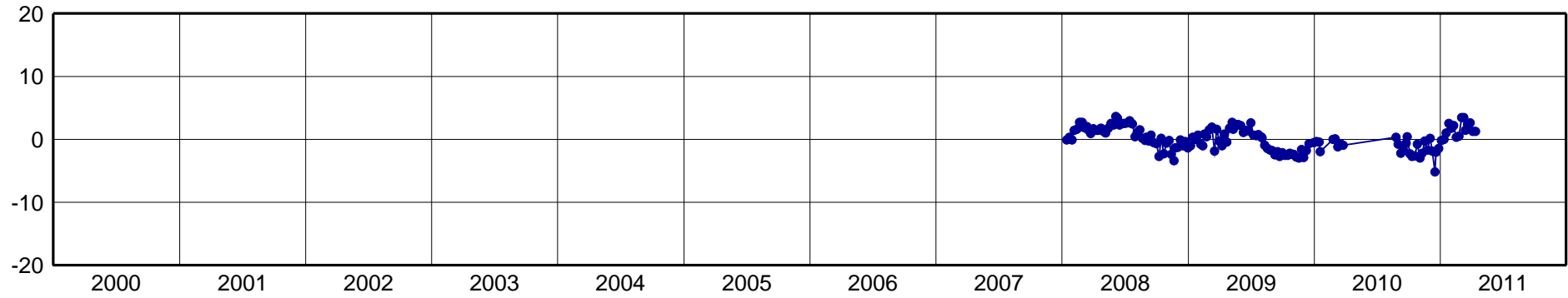


MPLA-Up Component [mm]

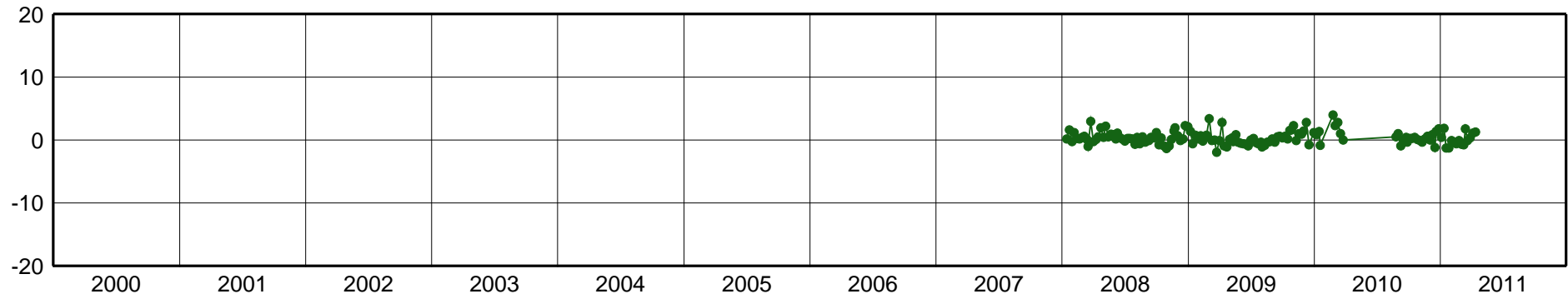


MSCG-North Component [mm]

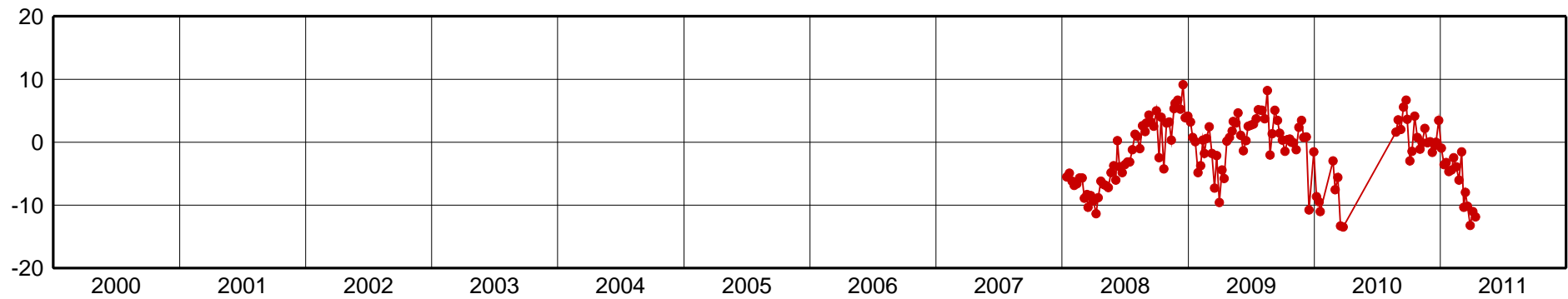
○ SIRGAS Analysis Centre at DGFI



MSCG-East Component [mm]



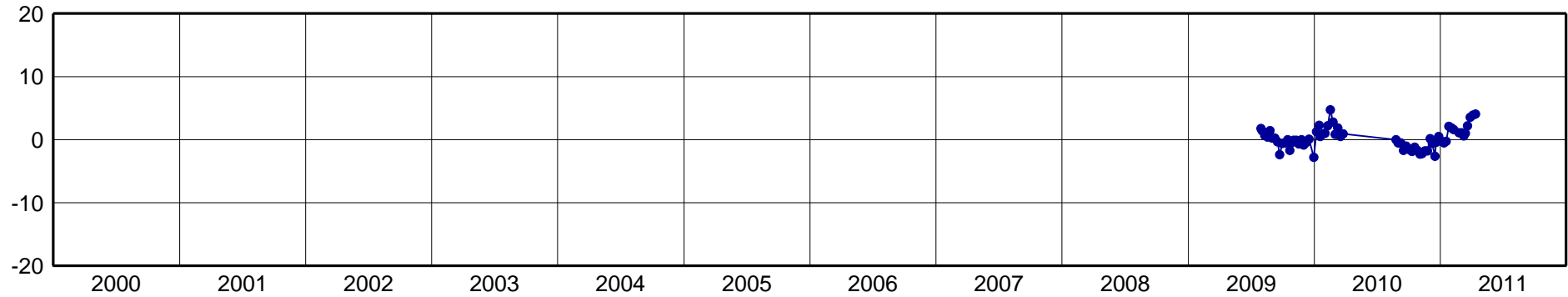
MSCG-Up Component [mm]



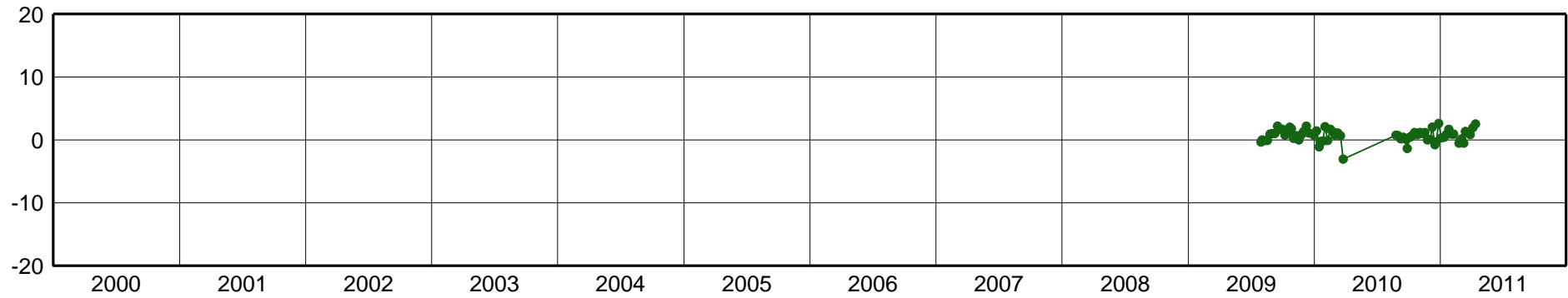


MSDO-North Component [mm]

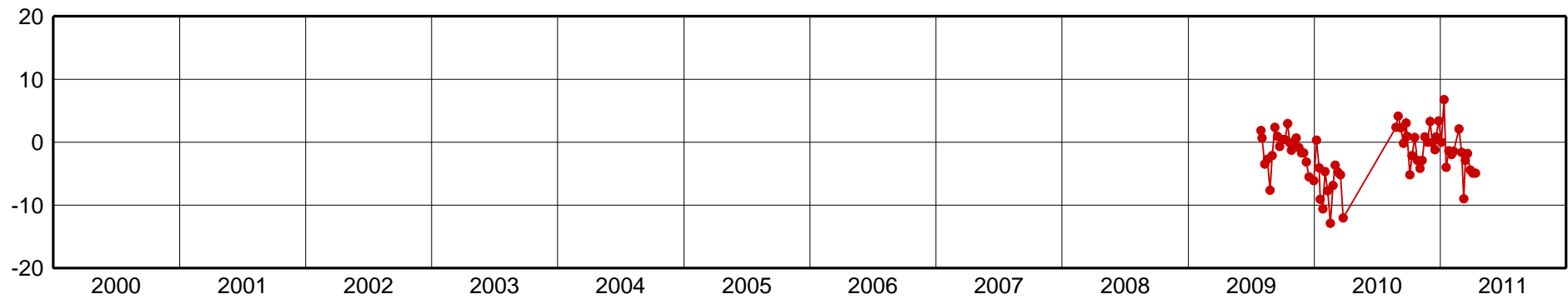
○ SIRGAS Analysis Centre at DGFI



MSDO-East Component [mm]

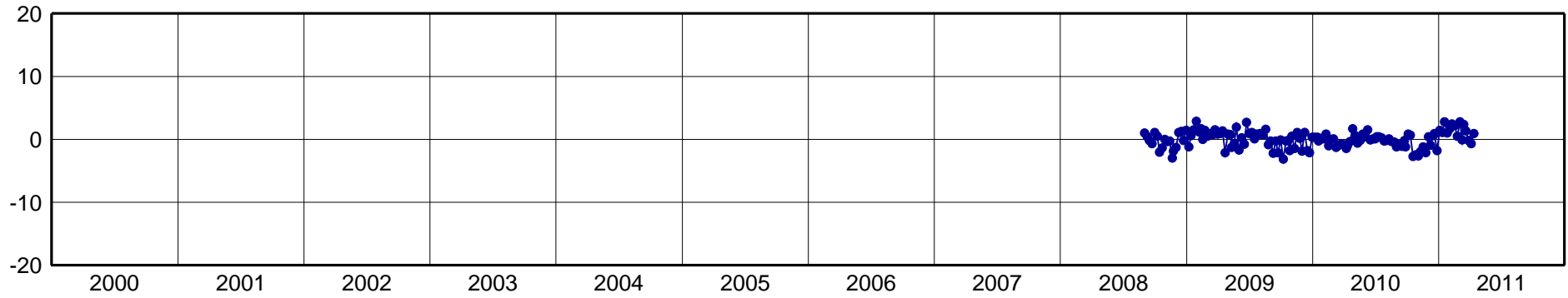


MSDO-Up Component [mm]

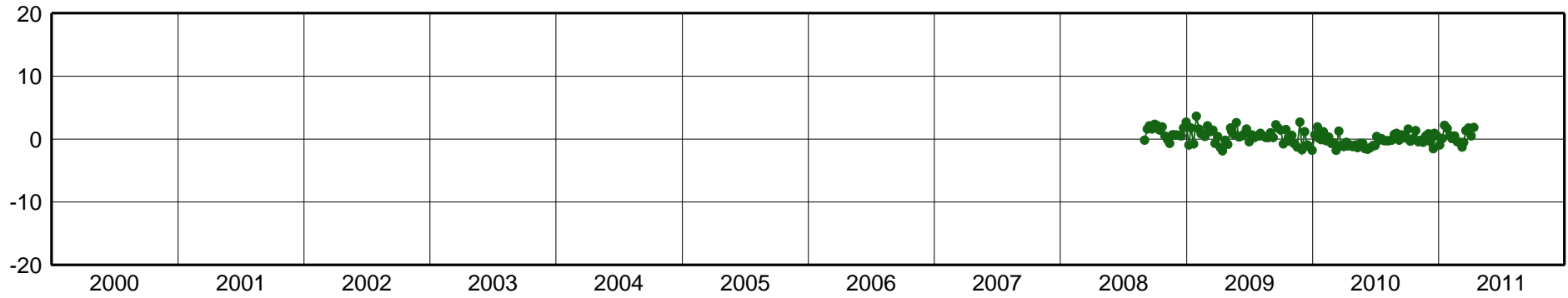


MTBA-North Component [mm]

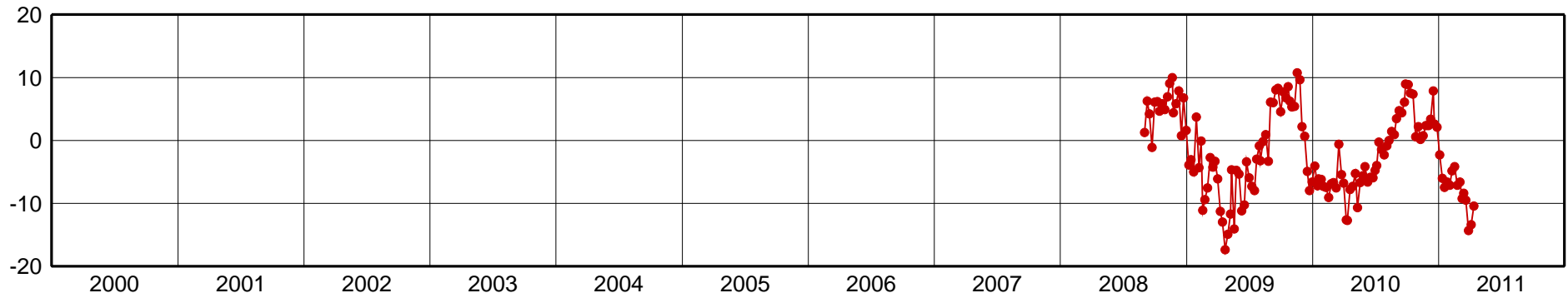
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MTBA-East Component [mm]



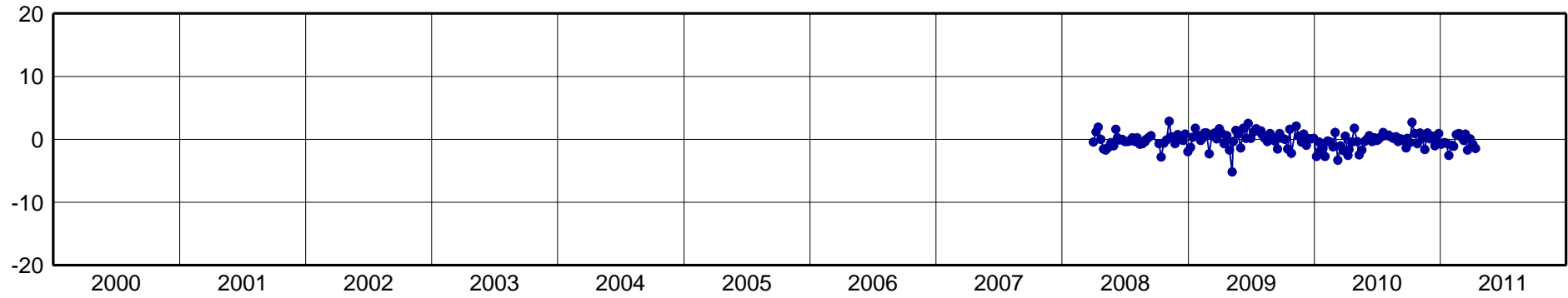
MTBA-Up Component [mm]



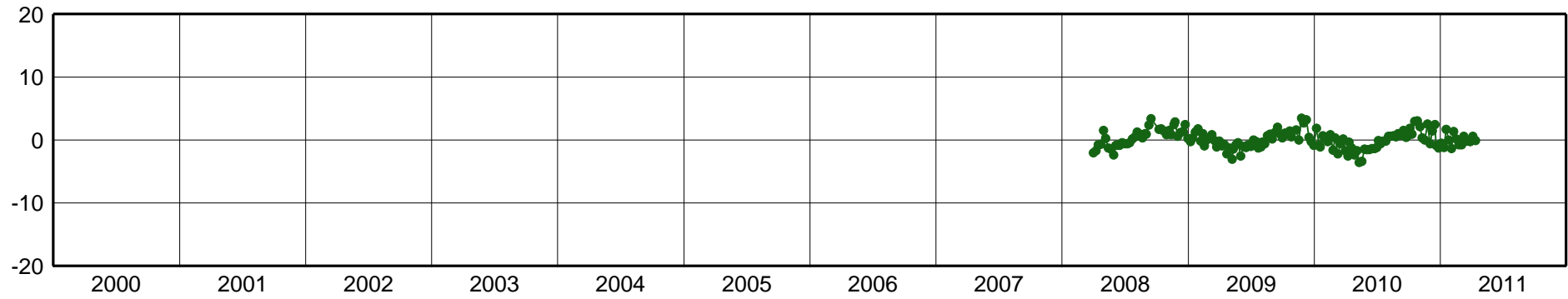


MTSF-North Component [mm]

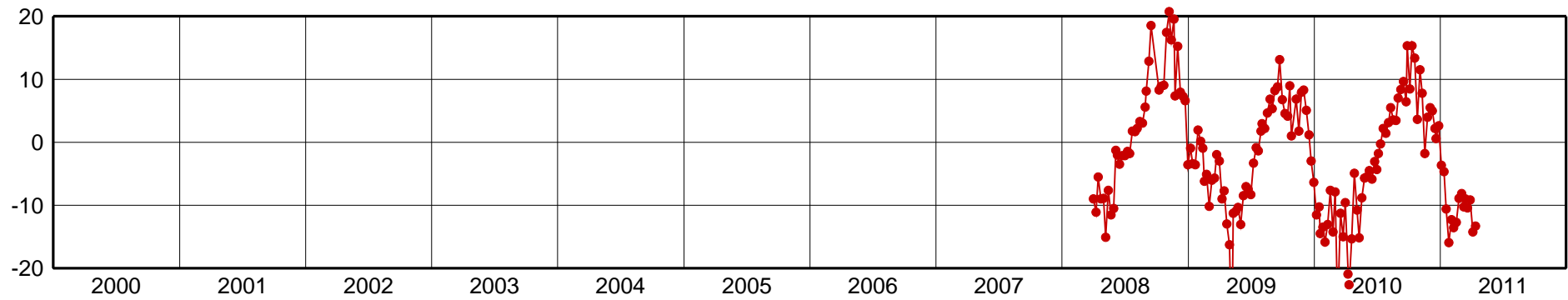
○ SIRGAS Analysis Centre at DGFI



MTSF-East Component [mm]

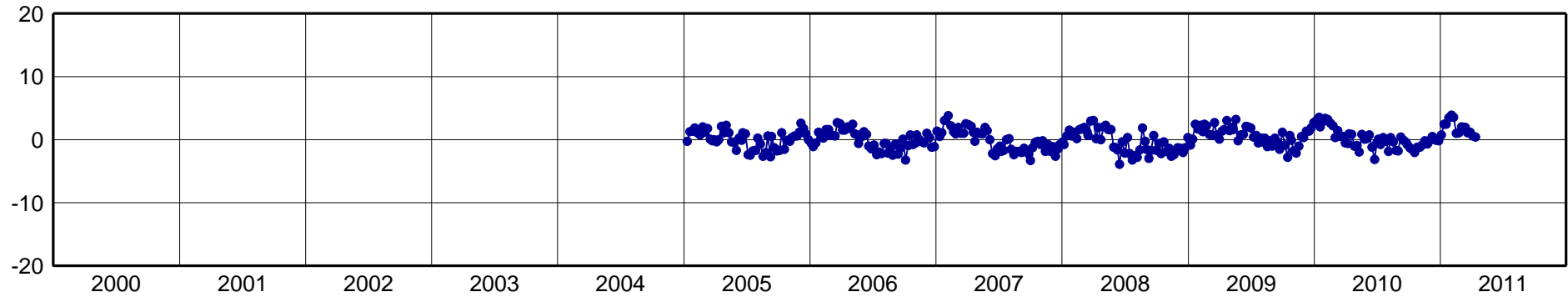


MTSF-Up Component [mm]

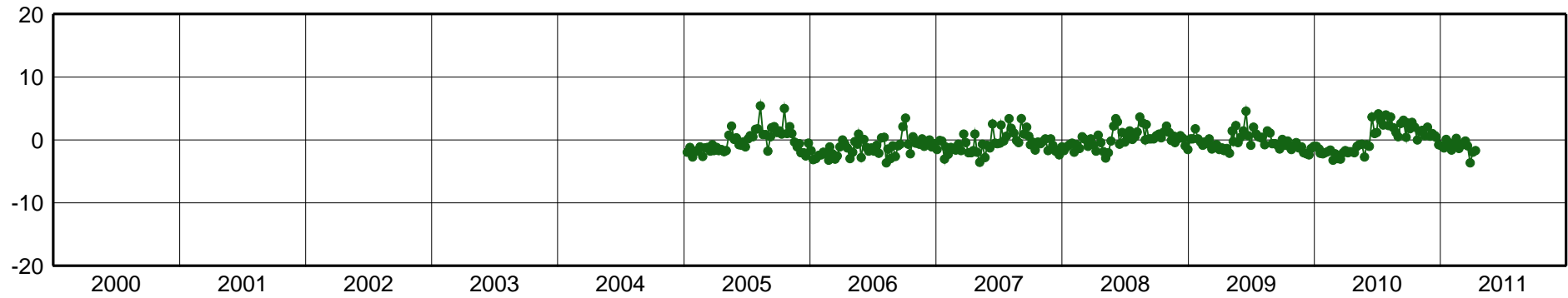


MTY2-North Component [mm]

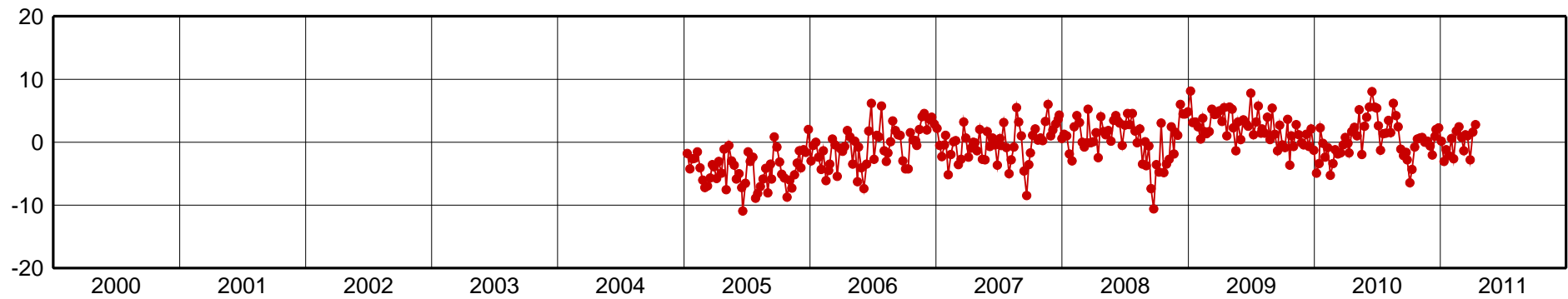
○ SIRGAS Analysis Centre at DGFI



MTY2-East Component [mm]

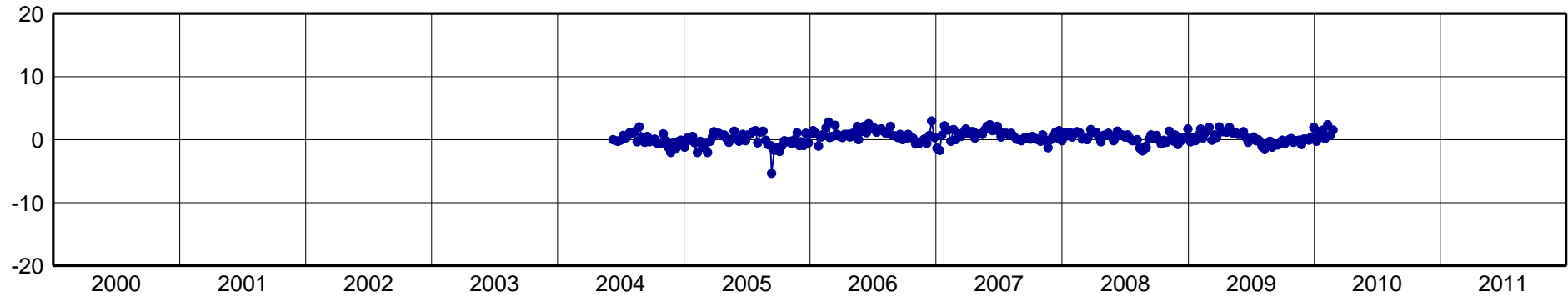


MTY2-Up Component [mm]

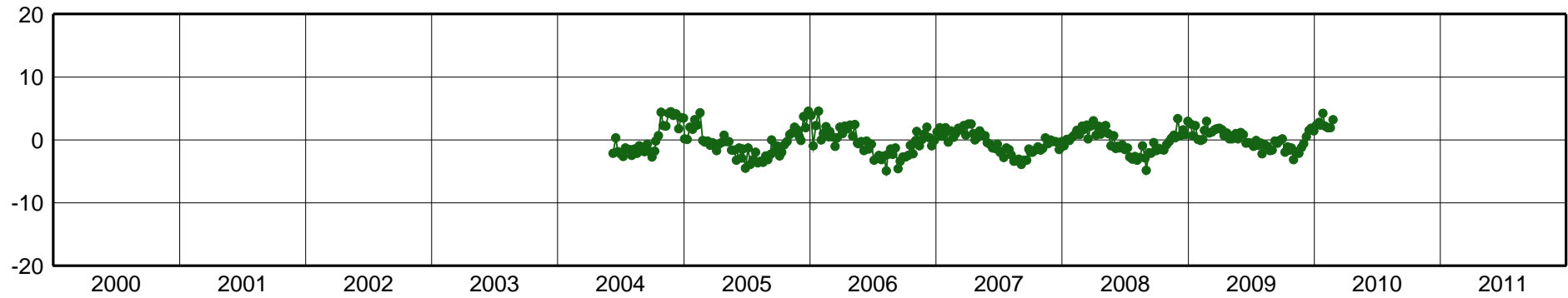


MZAC-North Component [mm]

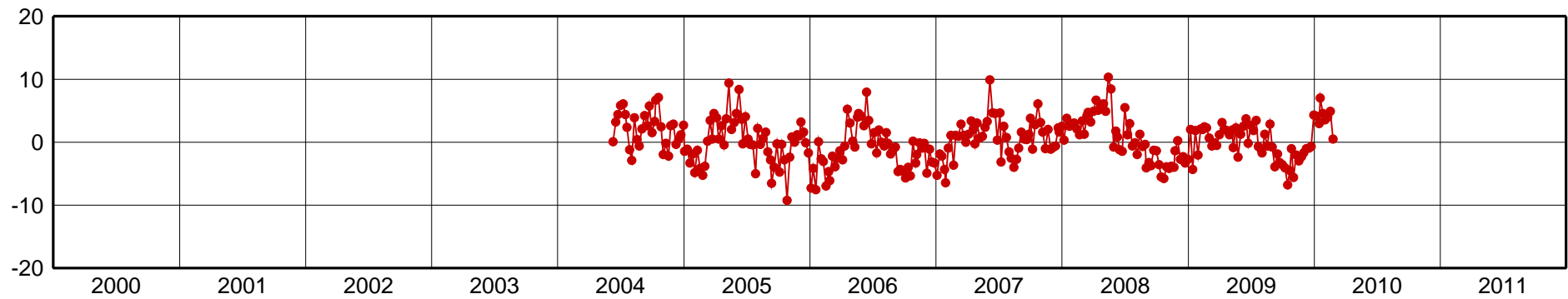
○ SIRGAS Analysis Centre at DGFI



MZAC-East Component [mm]

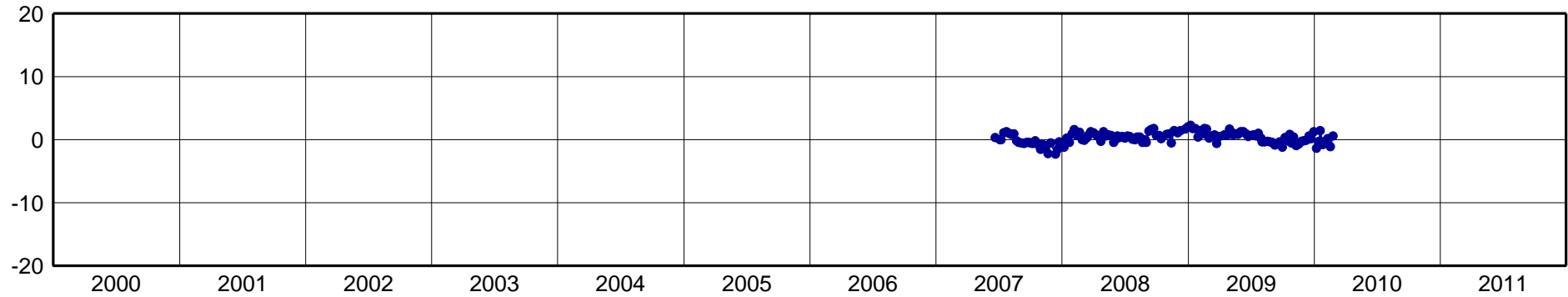


MZAC-Up Component [mm]

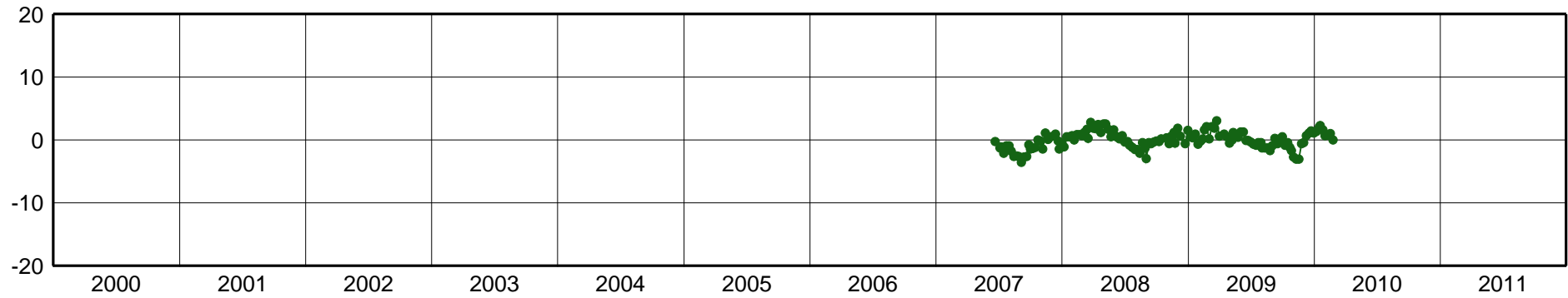


MZAE-North Component [mm]

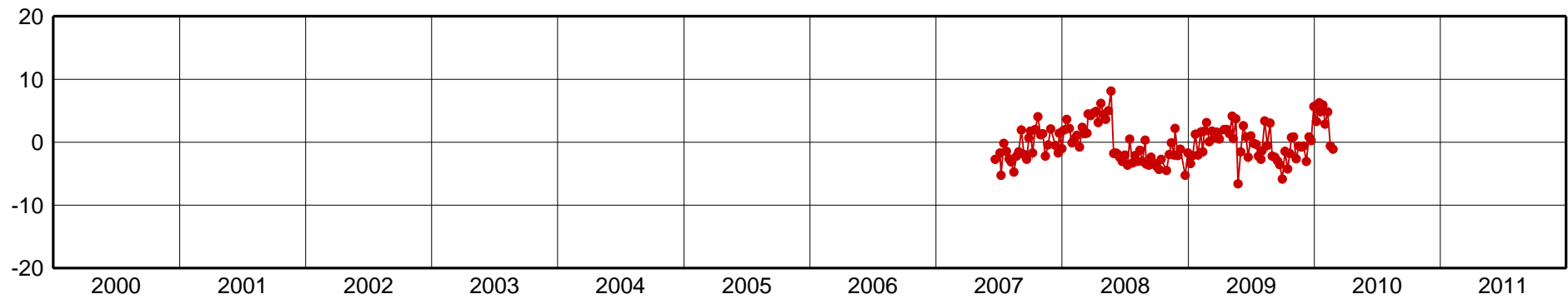
○ SIRGAS Analysis Centre at DGFI



MZAE-East Component [mm]

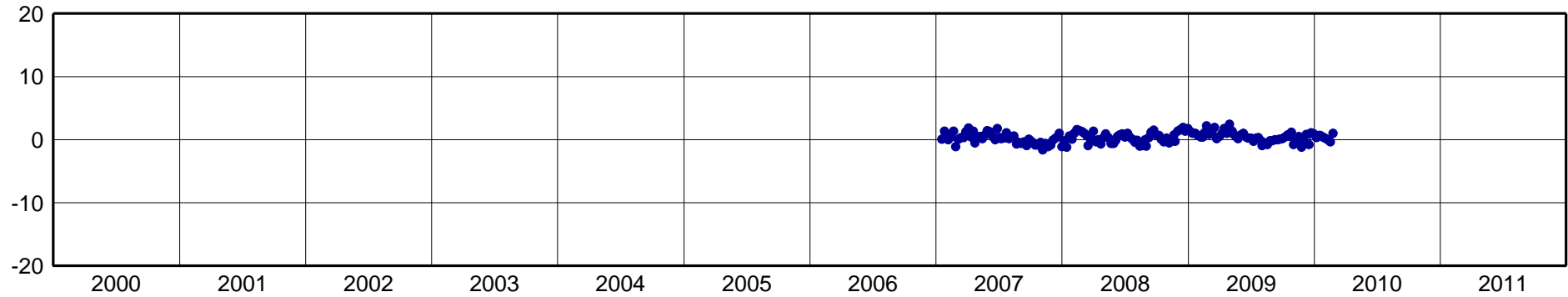


MZAE-Up Component [mm]

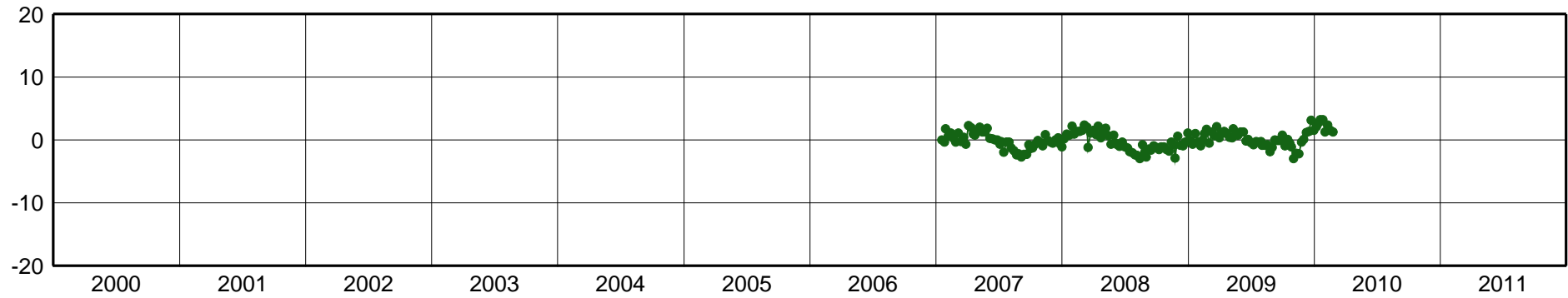


MZAS-North Component [mm]

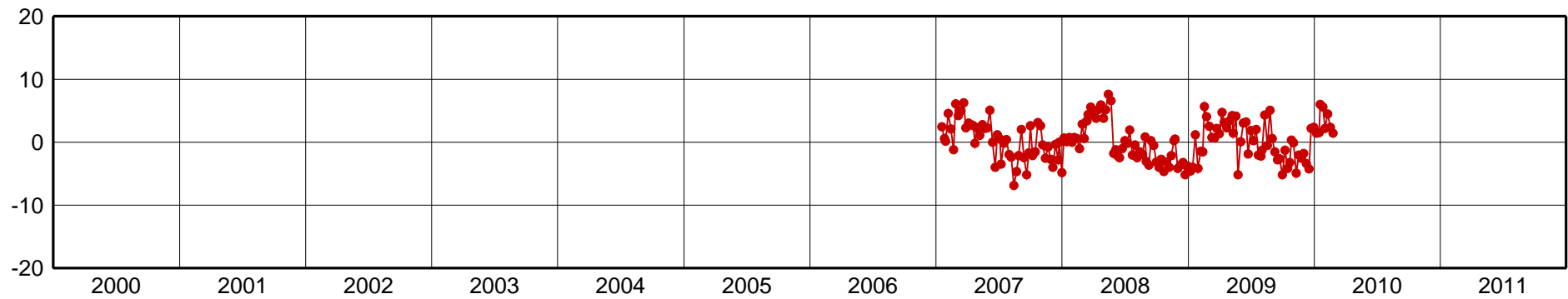
○ SIRGAS Analysis Centre at DGFI



MZAS-East Component [mm]



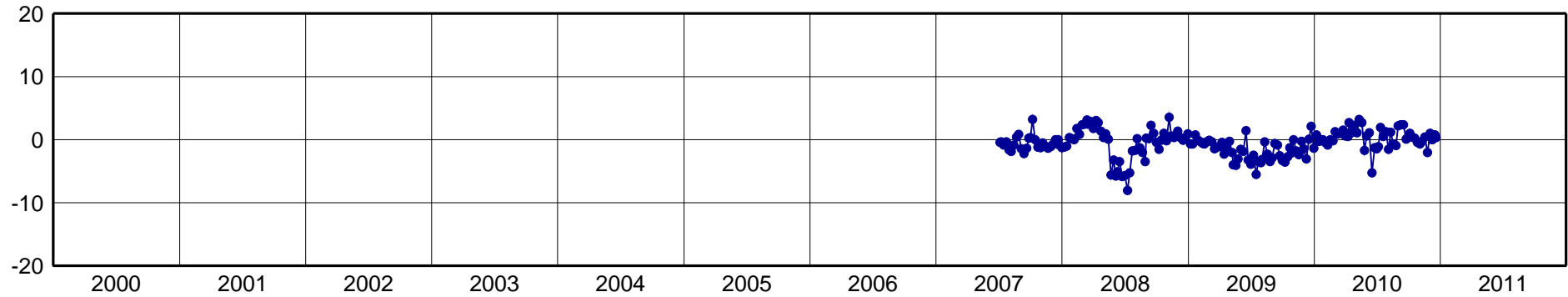
MZAS-Up Component [mm]



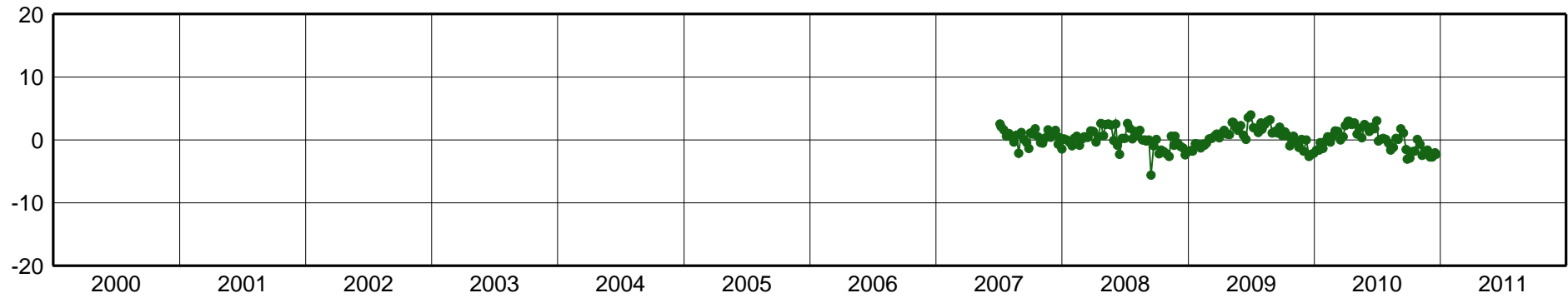


NAS0-North Component [mm]

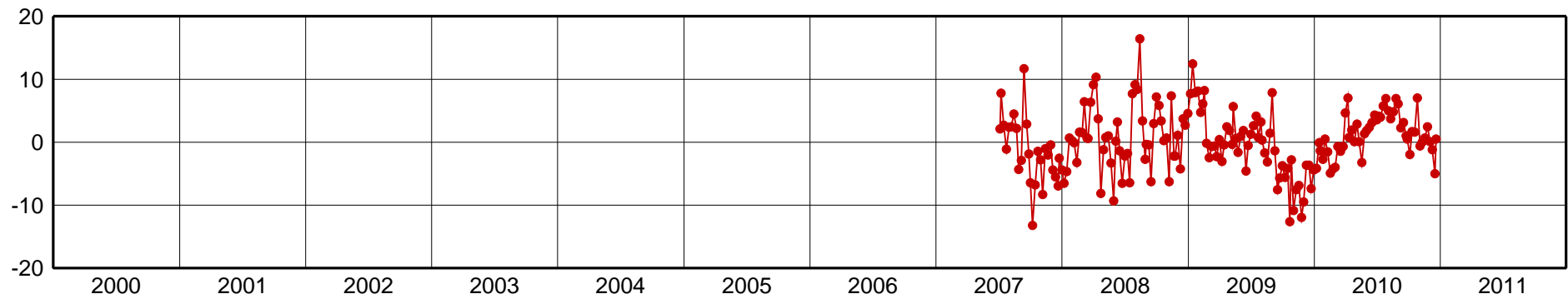
○ SIRGAS Analysis Centre at DGFI



NAS0-East Component [mm]

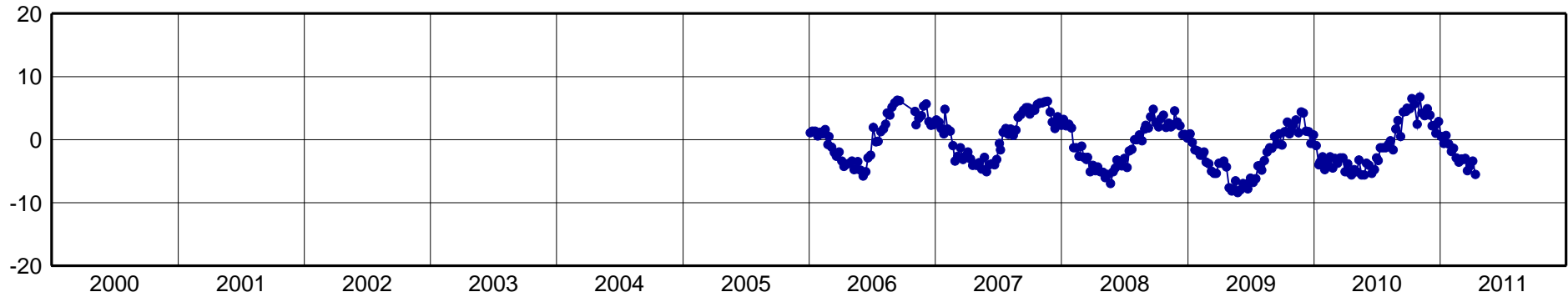


NAS0-Up Component [mm]

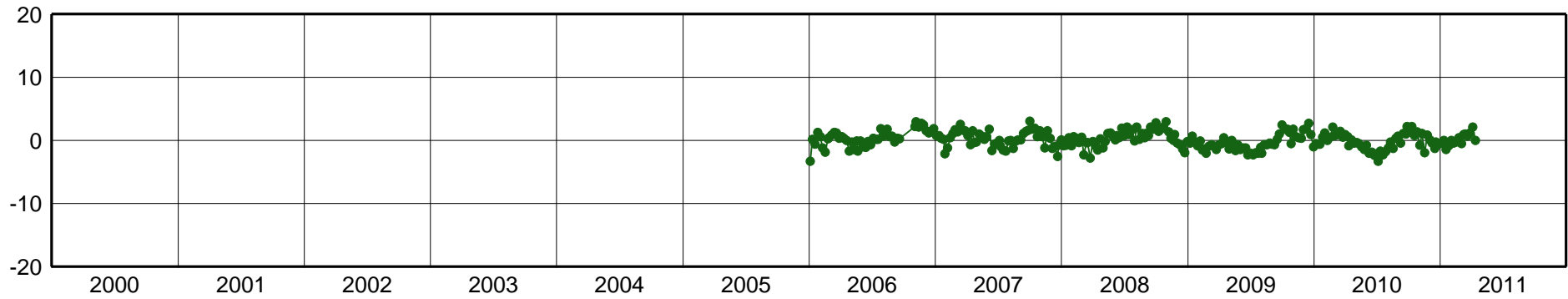


NAUS-North Component [mm]

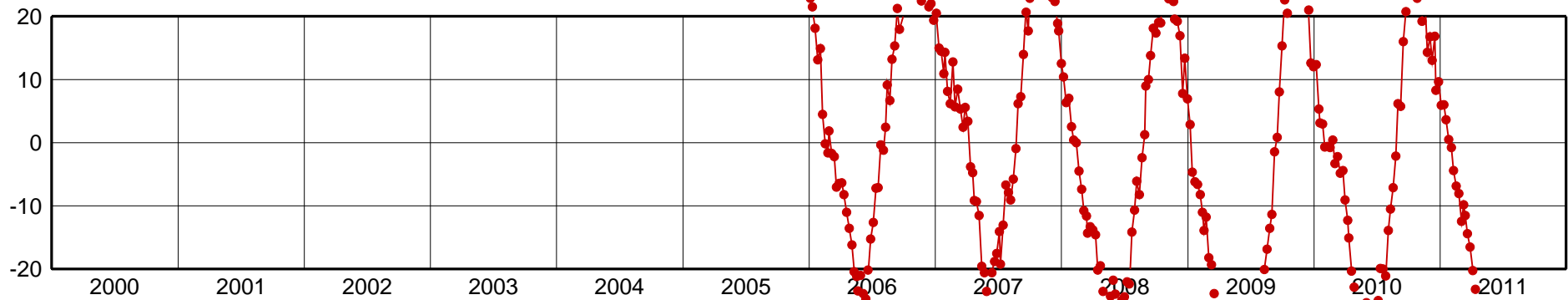
○ SIRGAS Analysis Centre at DGFI



NAUS-East Component [mm]

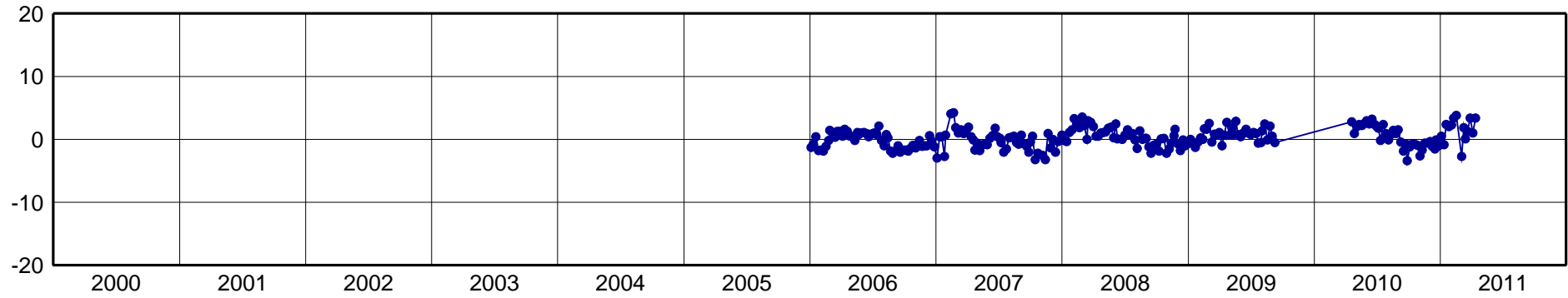


NAUS-Up Component [mm]

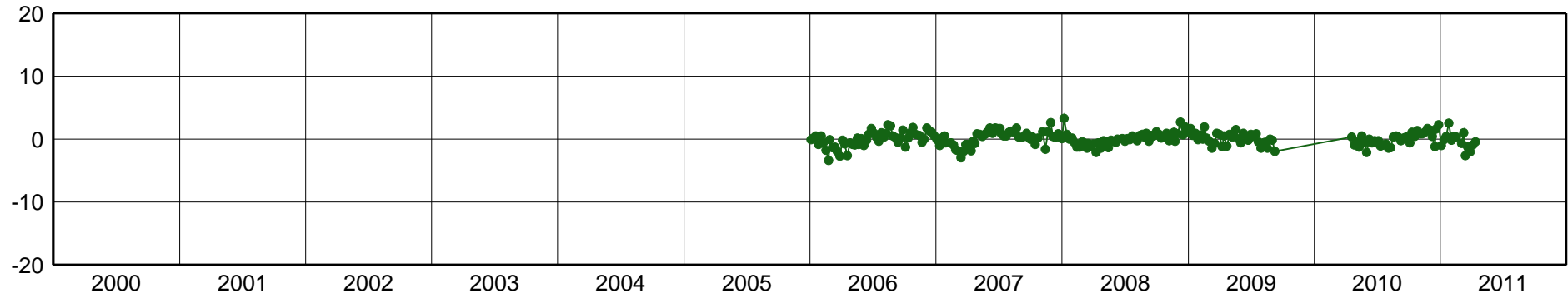


NEIA-North Component [mm]

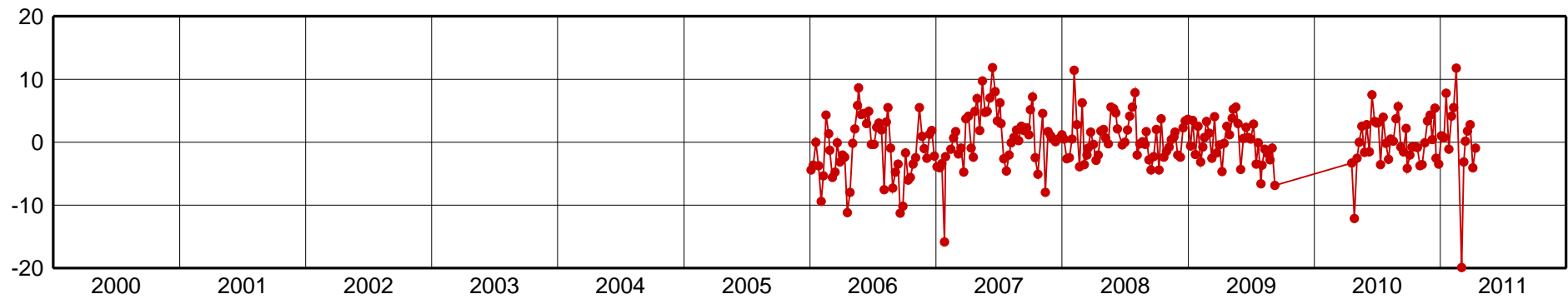
○ SIRGAS Analysis Centre at DGFI



NEIA-East Component [mm]

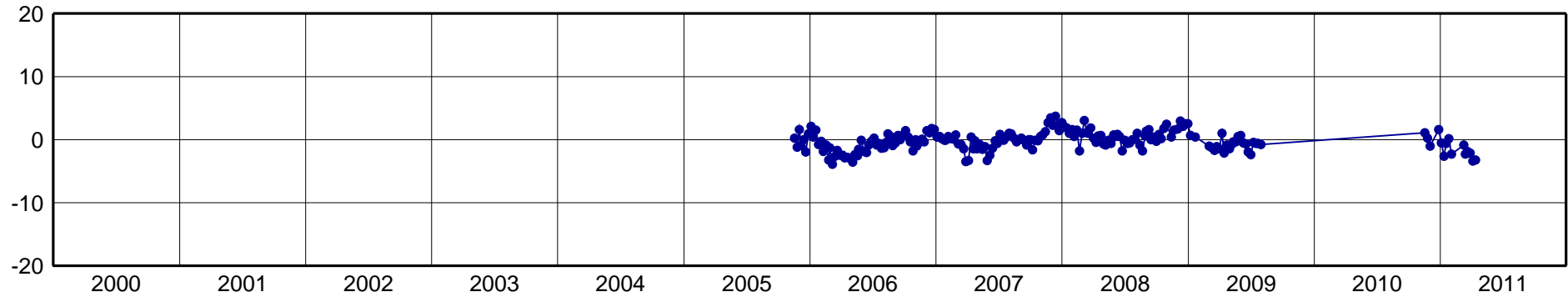


NEIA-Up Component [mm]

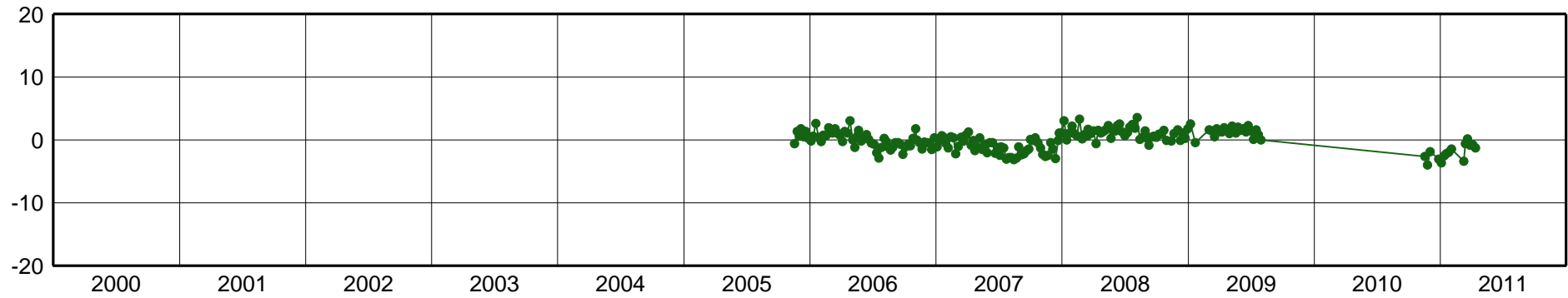


NEVA-North Component [mm]

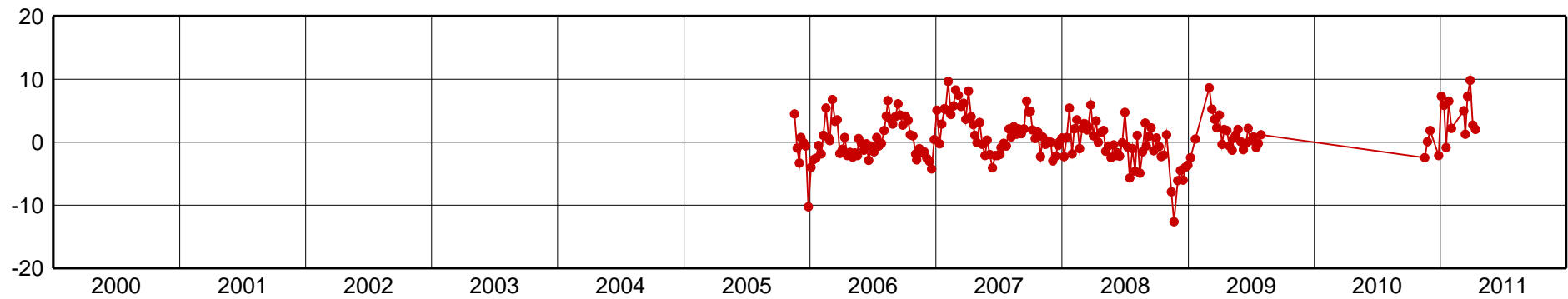
○ SIRGAS Analysis Centre at DGFI



NEVA-East Component [mm]

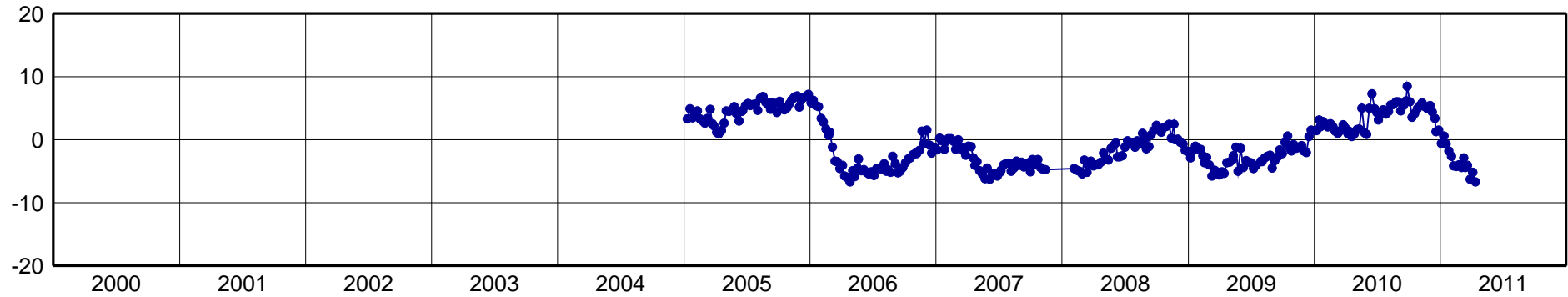


NEVA-Up Component [mm]

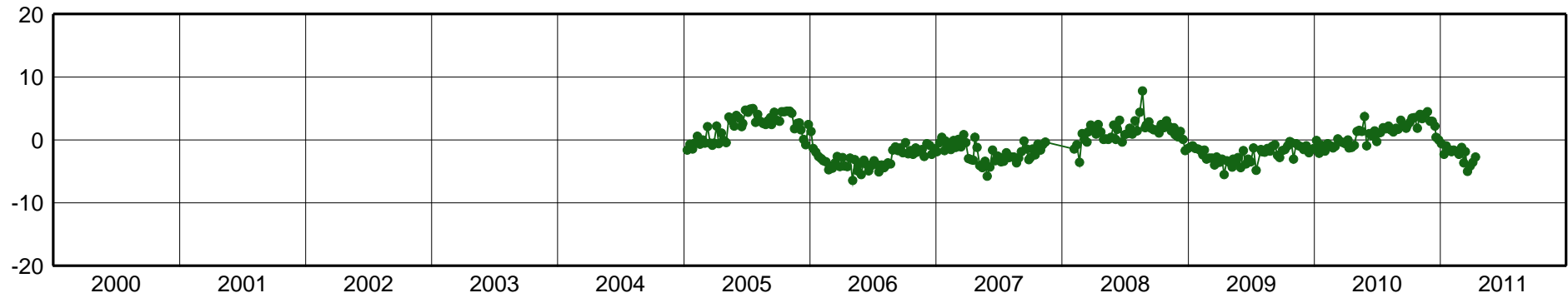


OAX2-North Component [mm]

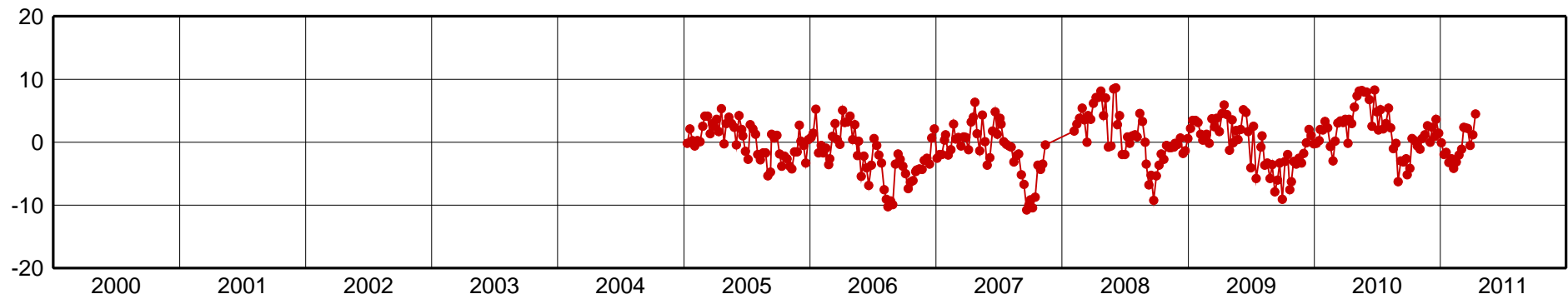
○ SIRGAS Analysis Centre at DGFI



OAX2-East Component [mm]

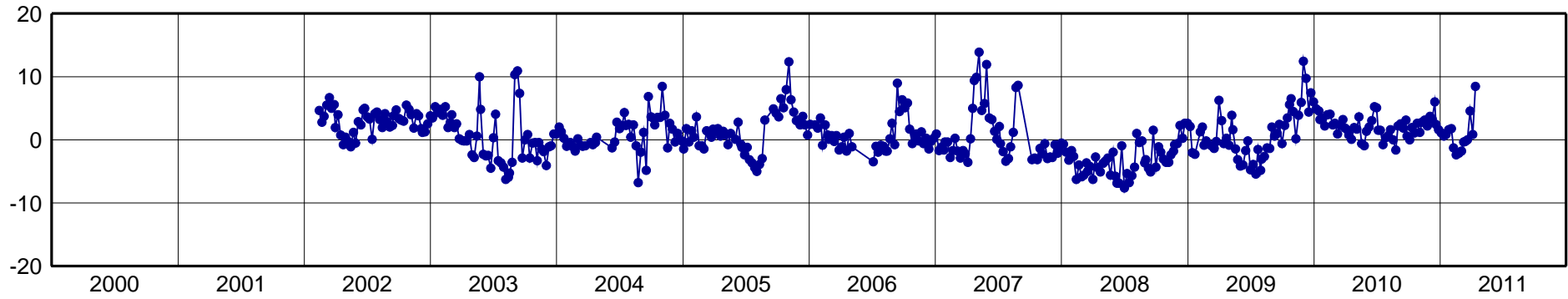


OAX2-Up Component [mm]

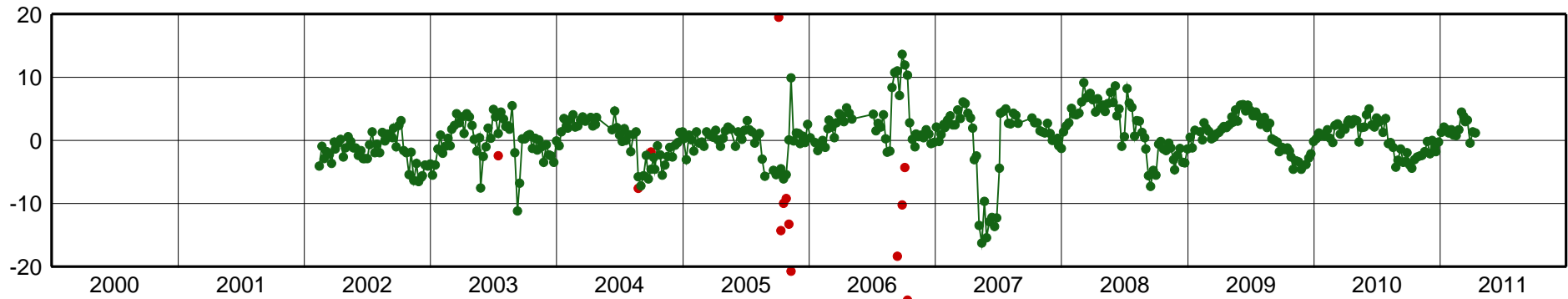


OH2-North Component [mm]

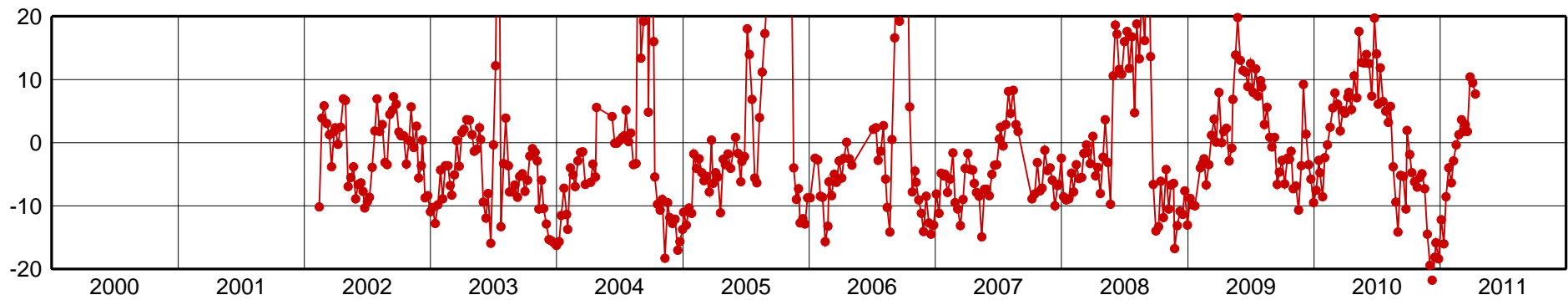
○ SIRGAS Analysis Centre at DGFI



OH2-East Component [mm]

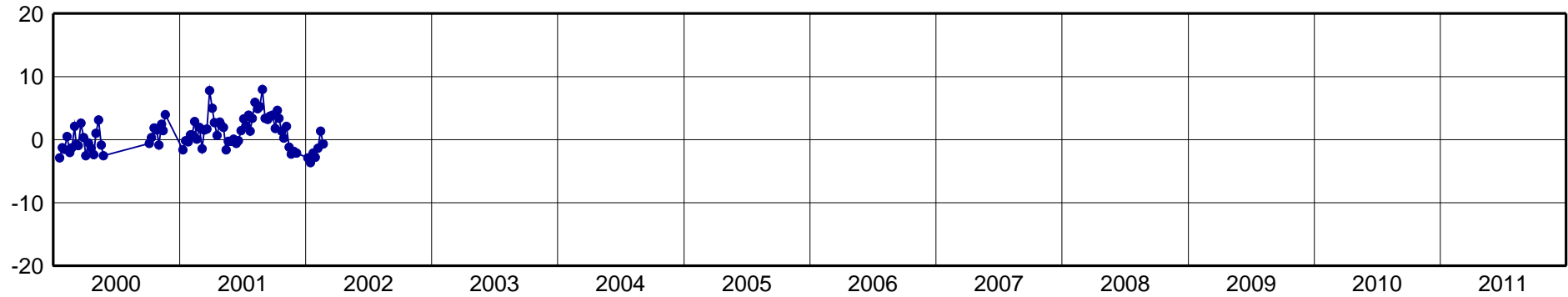


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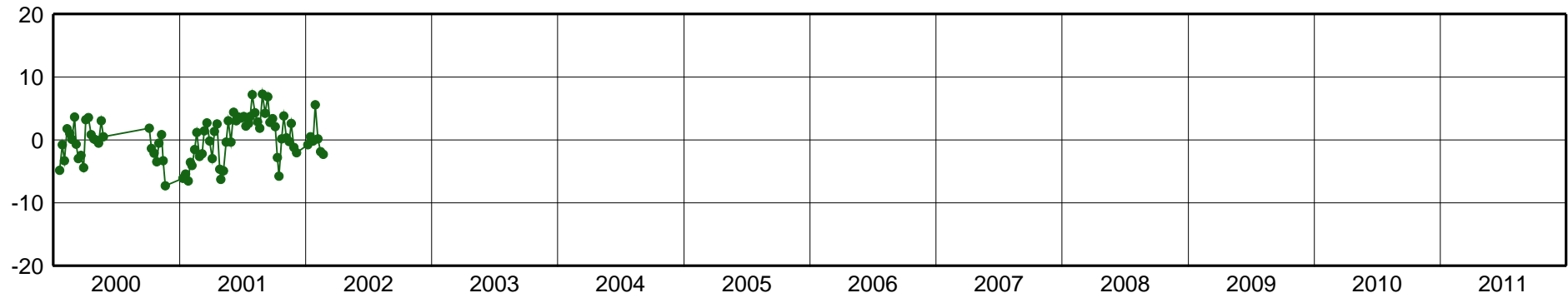


OHIG-North Component [mm]

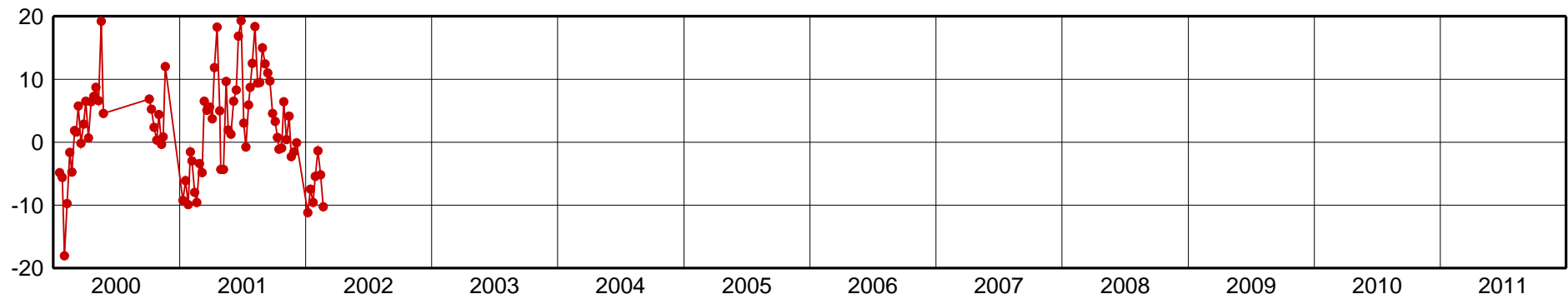
○ SIRGAS Analysis Centre at DGFI



OHIG-East Component [mm]

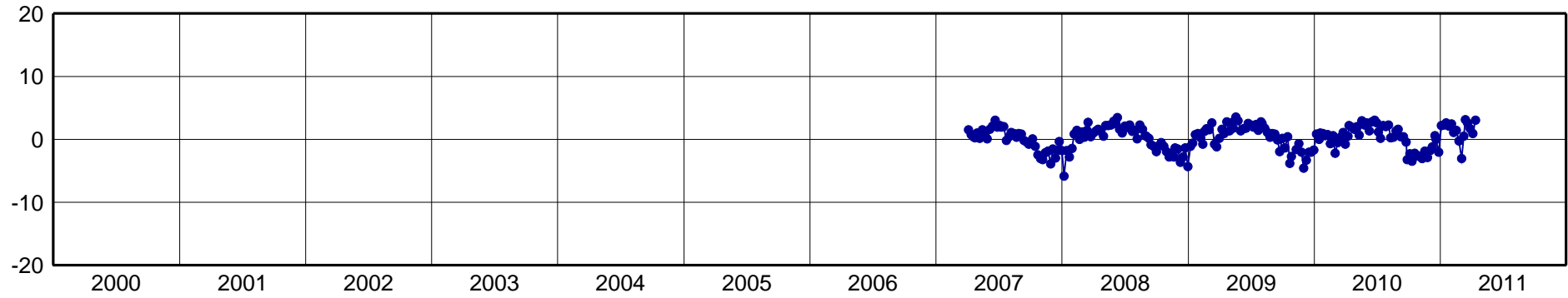


OHIG-Up Component [mm]

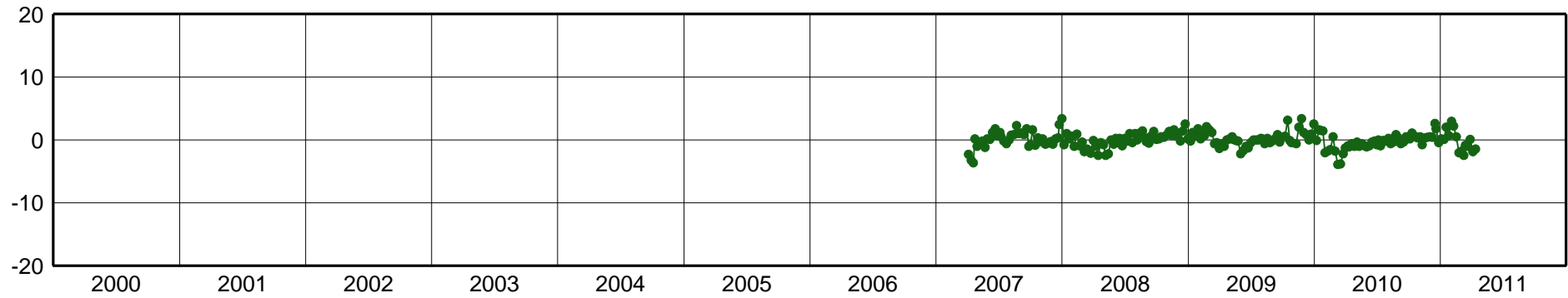


ONRJ-North Component [mm]

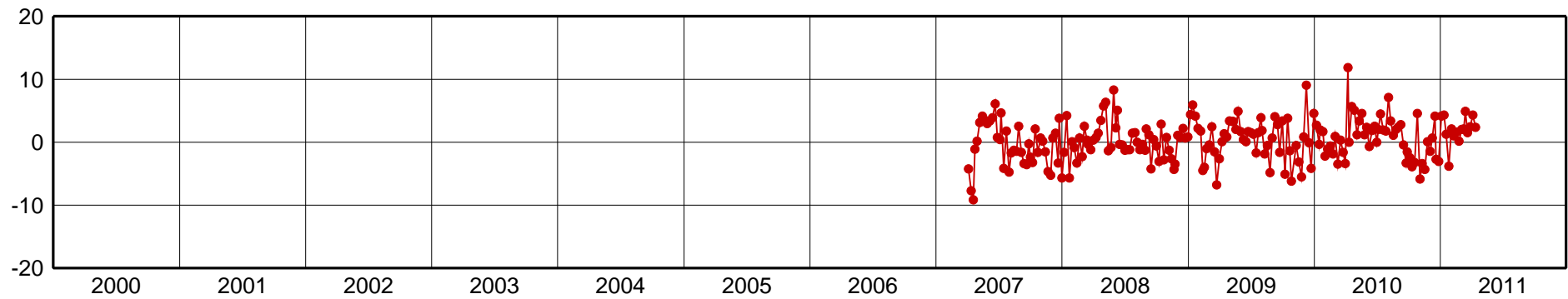
○ SIRGAS Analysis Centre at DGFI



ONRJ-East Component [mm]



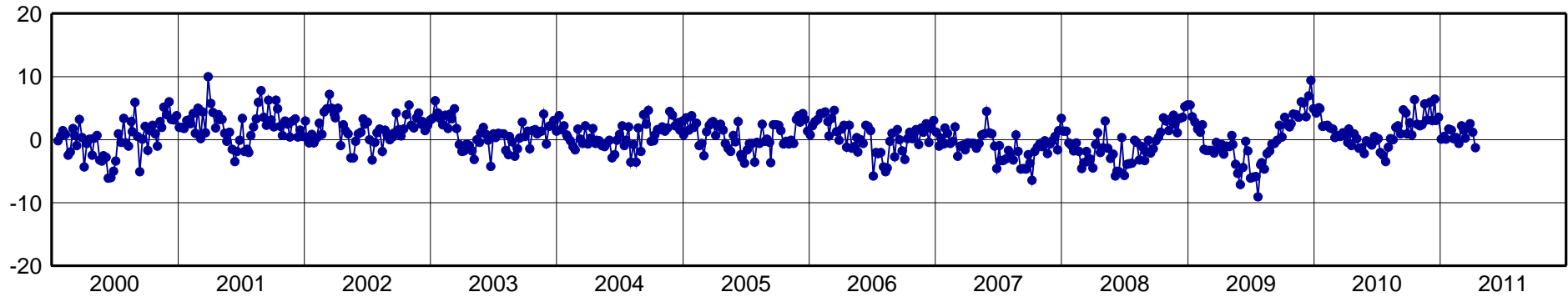
ONRJ-Up Component [mm]



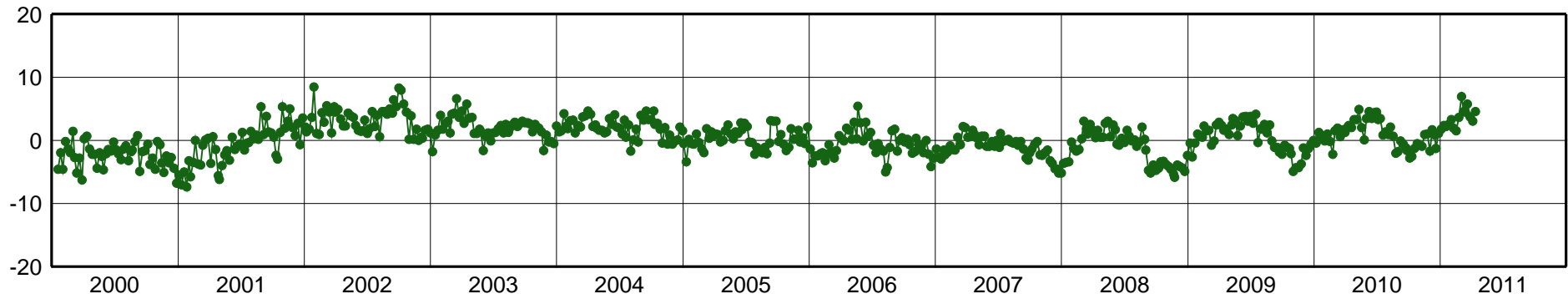


PALM-North Component [mm]

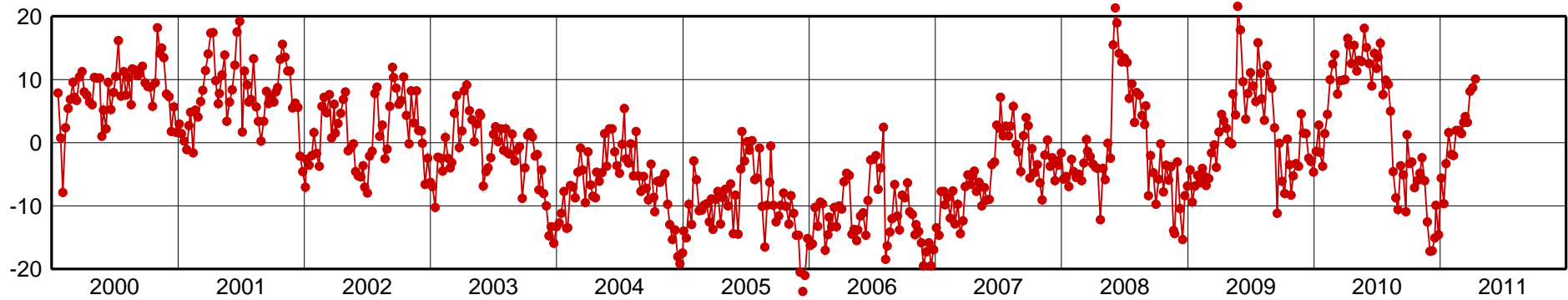
○ SIRGAS Analysis Centre at DGFI



PALM-East Component [mm]

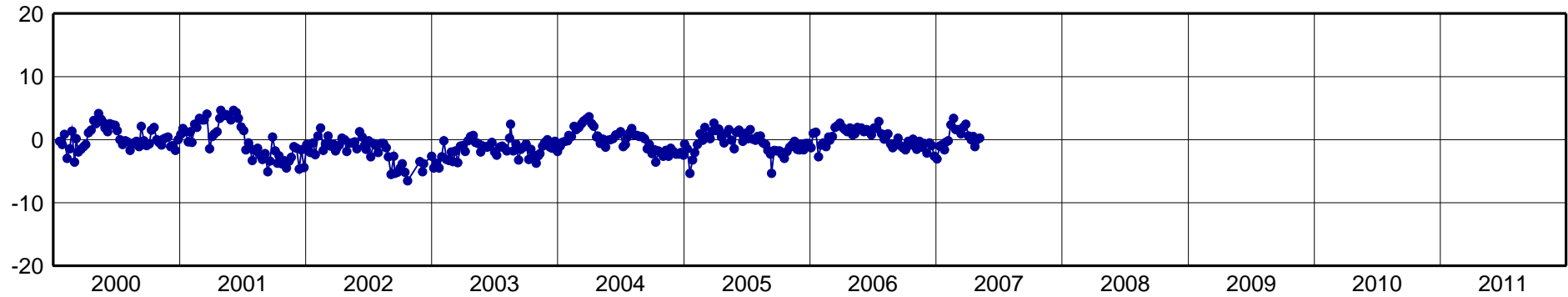


PALM-Up Component [mm]

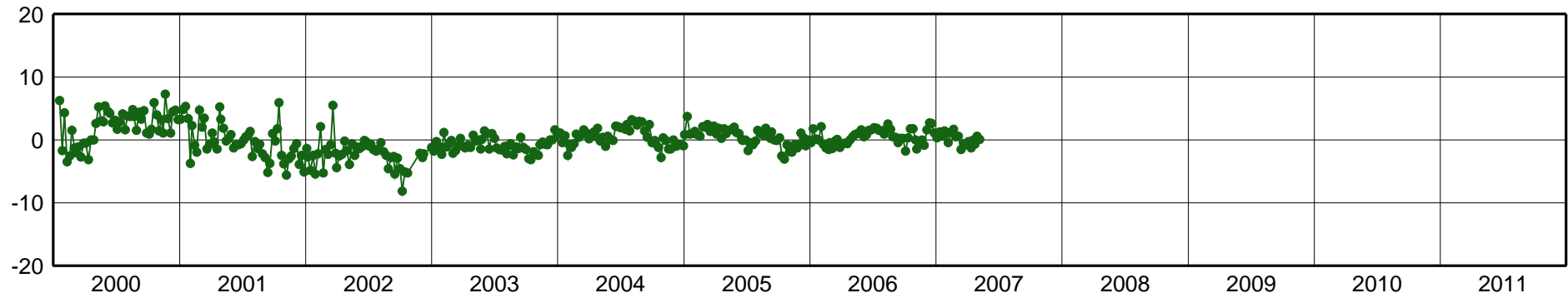


PARA-North Component [mm]

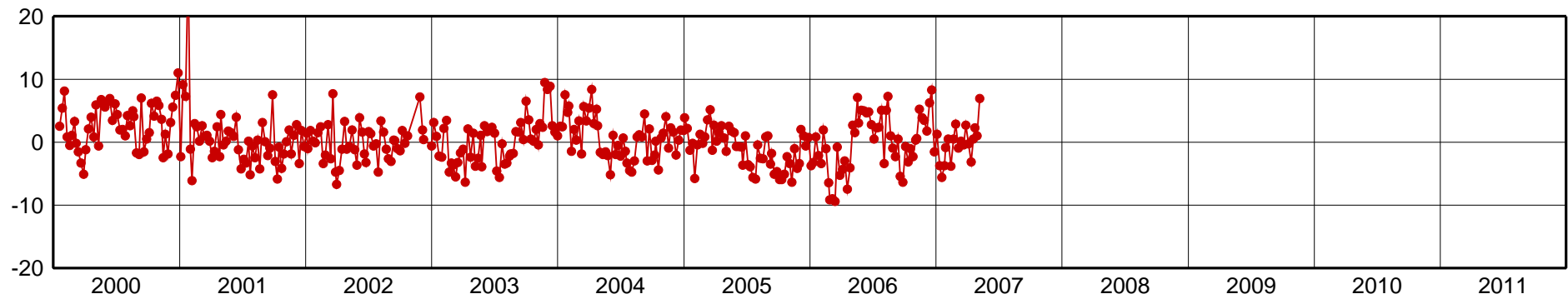
○ SIRGAS Analysis Centre at DGFI



PARA-East Component [mm]

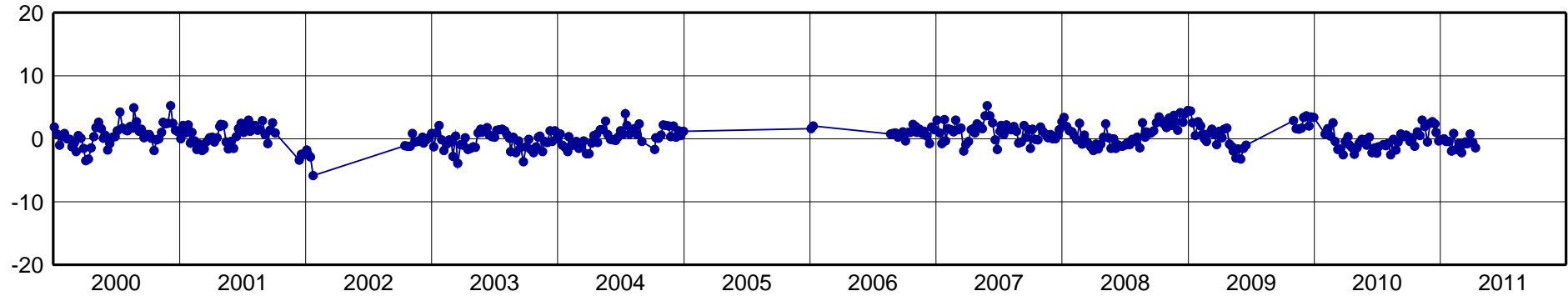


PARA-Up Component [mm]

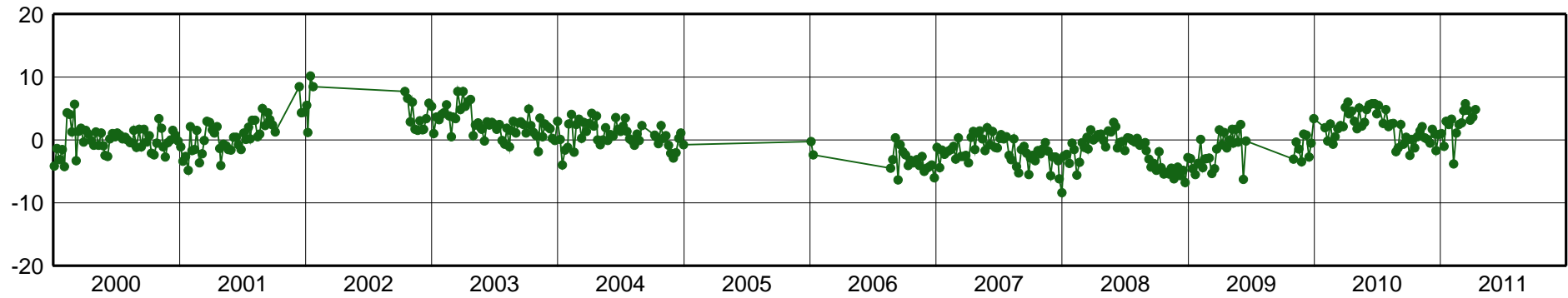


PARC-North Component [mm]

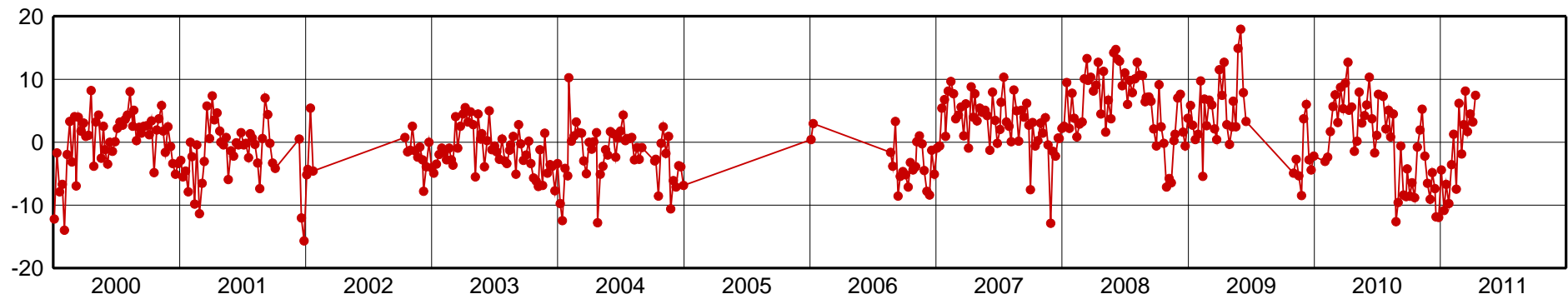
○ SIRGAS Analysis Centre at DGFI



PARC-East Component [mm]

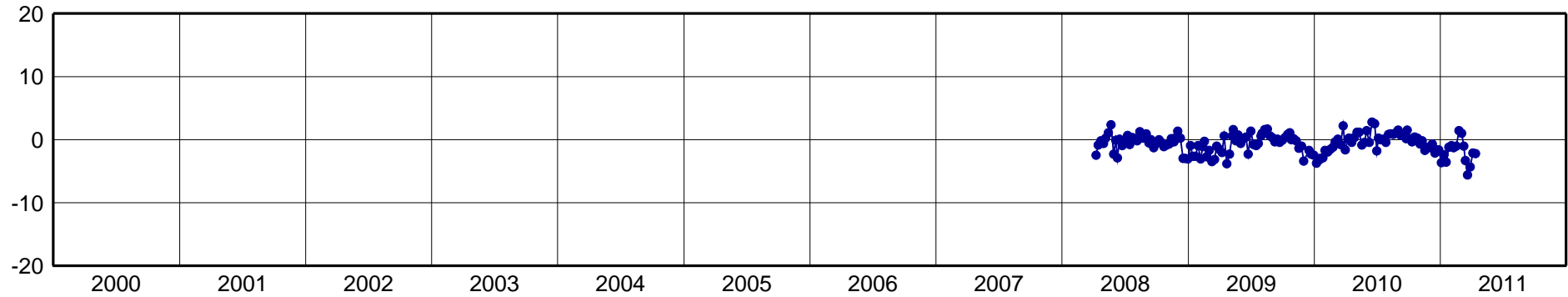


PARC-Up Component [mm]

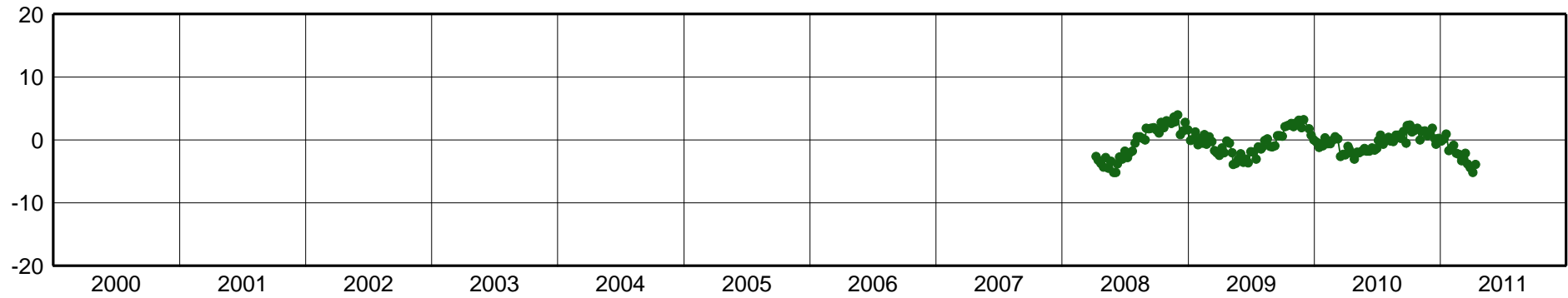


PBCG-North Component [mm]

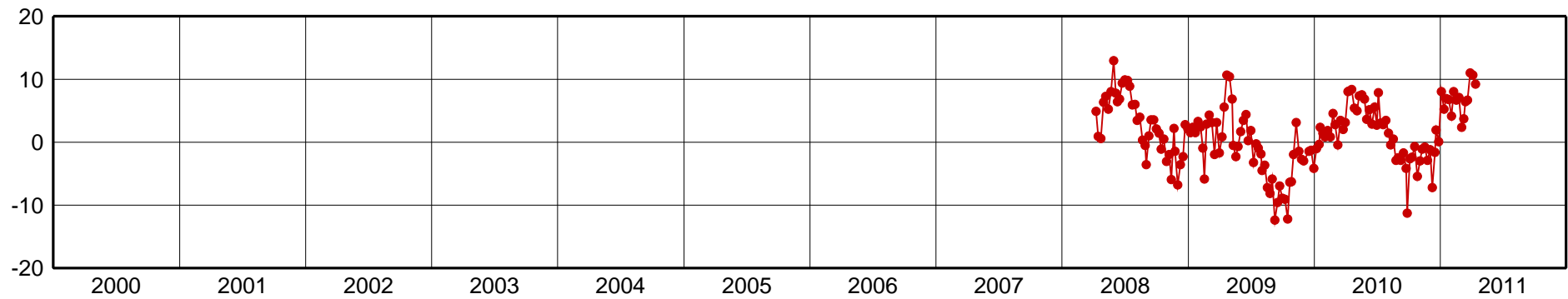
○ SIRGAS Analysis Centre at DGFI



PBCG-East Component [mm]

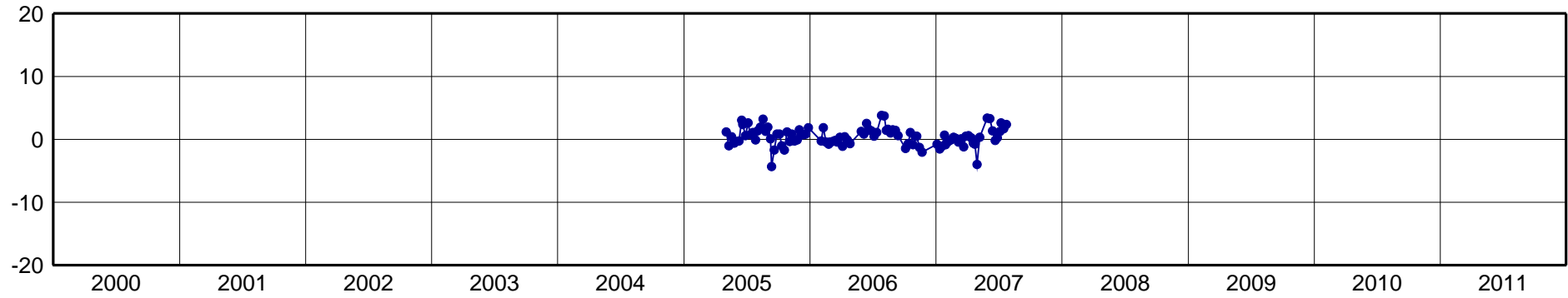


PBCG-Up Component [mm]

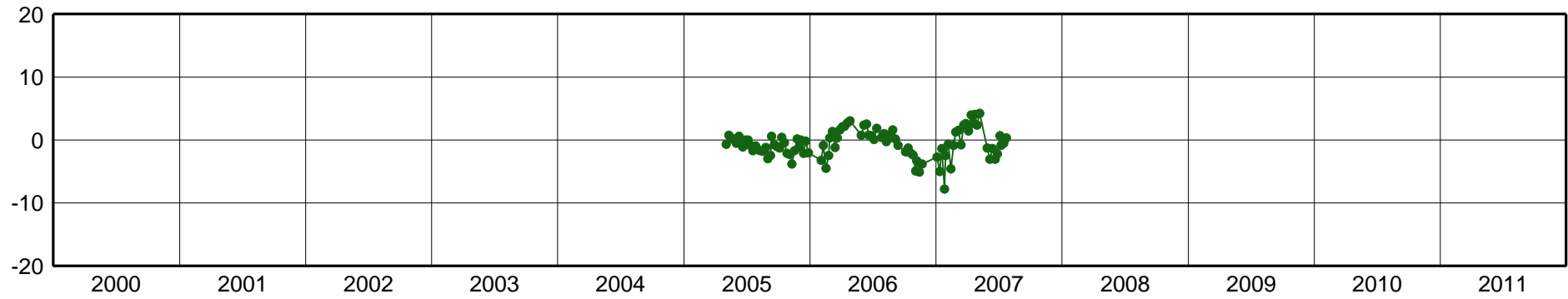


PDES-North Component [mm]

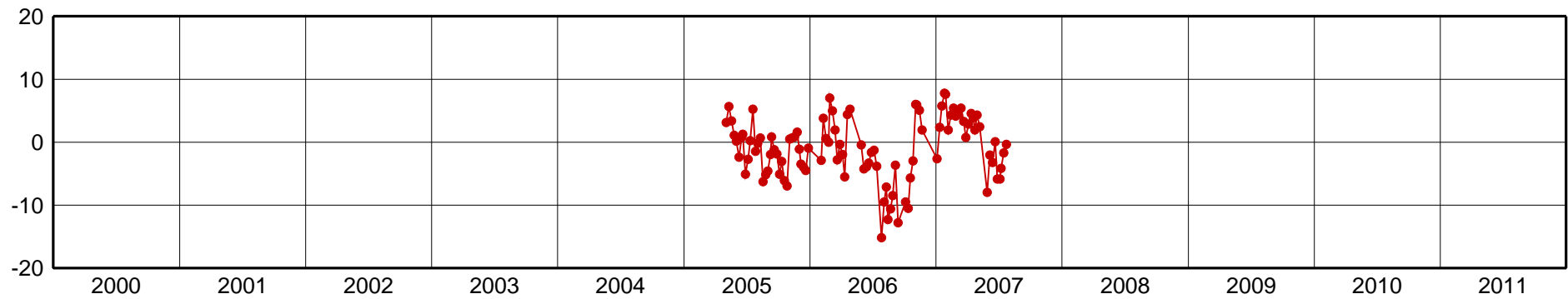
○ SIRGAS Analysis Centre at DGFI



PDES-East Component [mm]

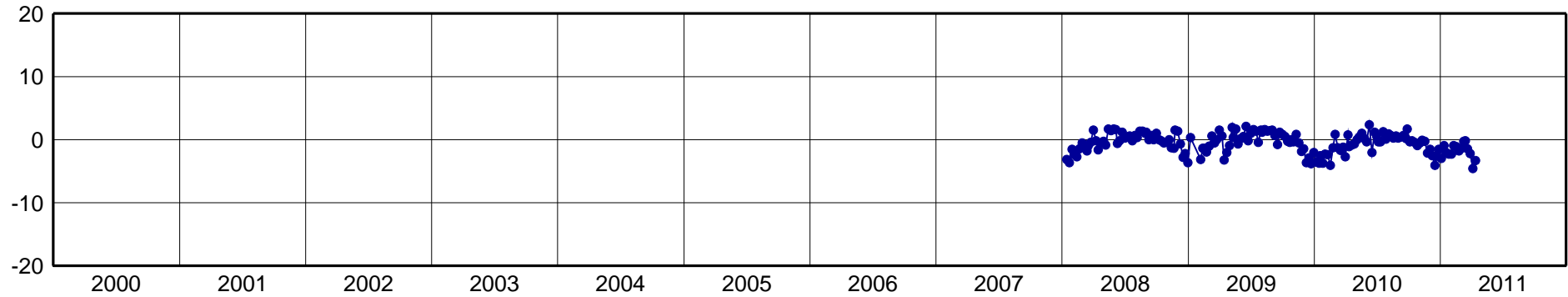


PDES-Up Component [mm]

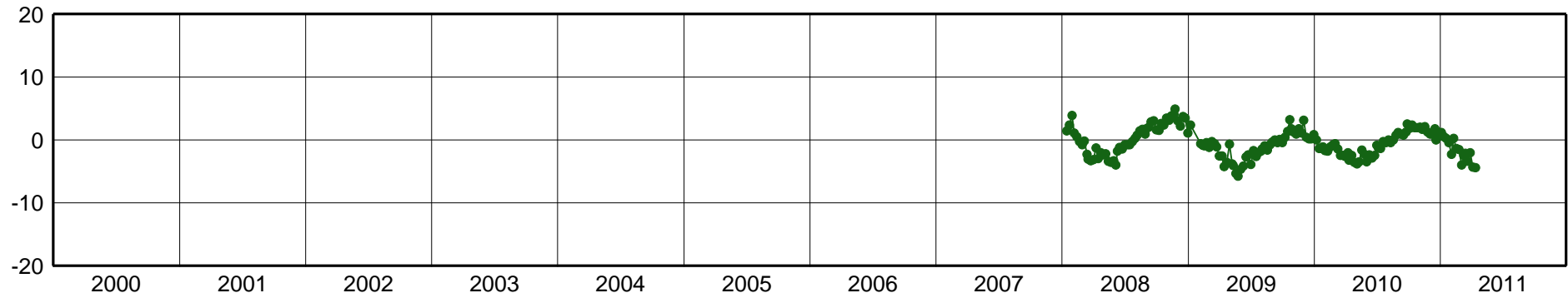


PEPE-North Component [mm]

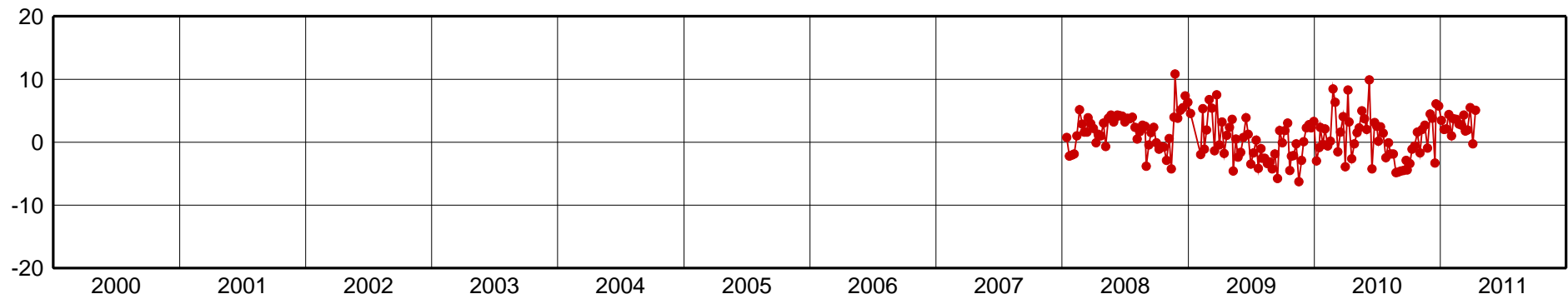
○ SIRGAS Analysis Centre at DGFI



PEPE-East Component [mm]

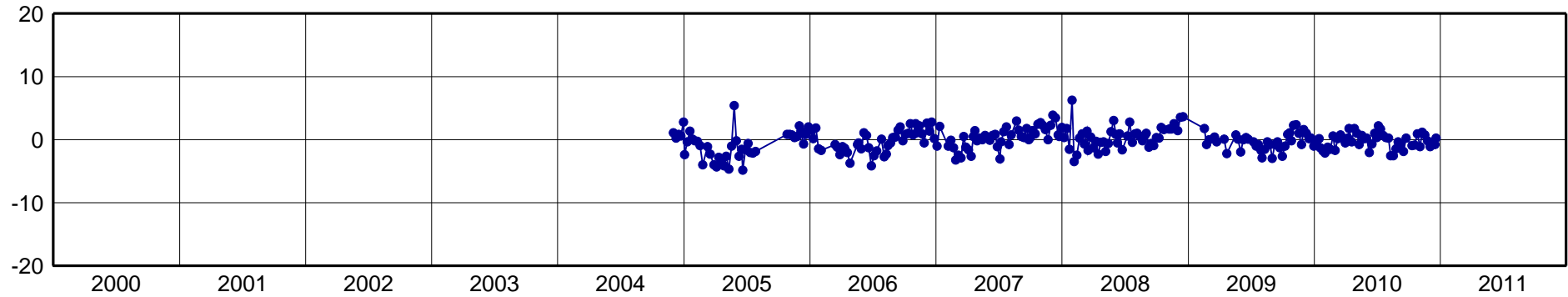


PEPE-Up Component [mm]

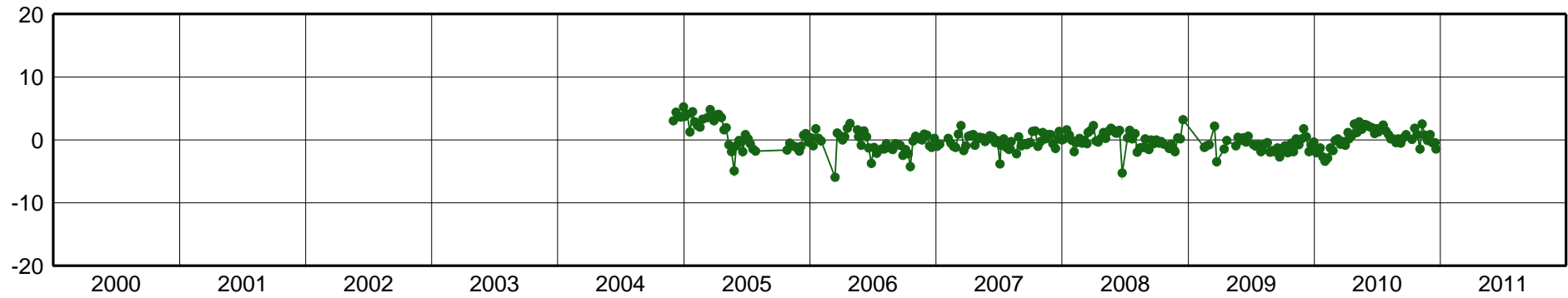


PERA-North Component [mm]

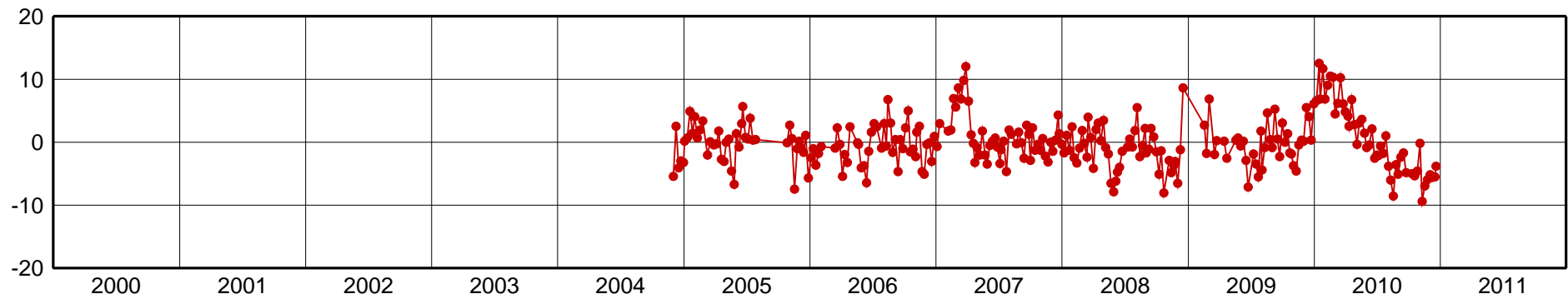
○ SIRGAS Analysis Centre at DGFI



PERA-East Component [mm]

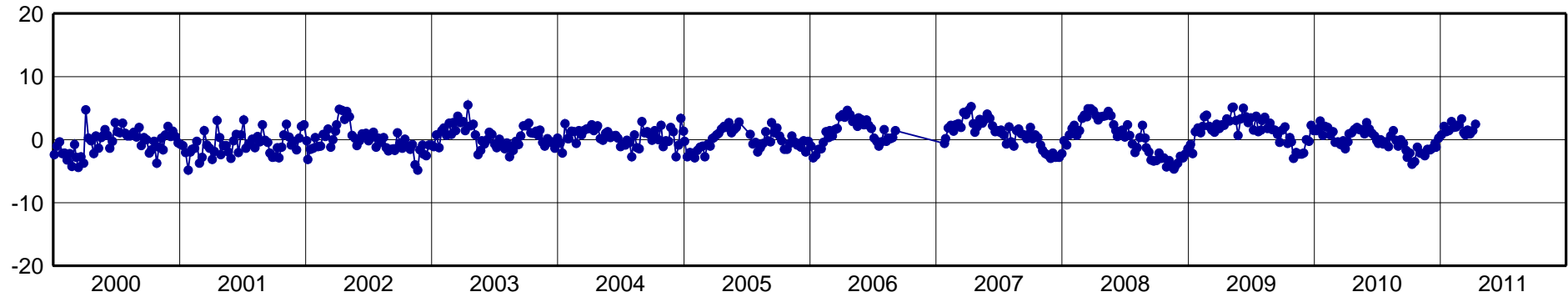


PERA-Up Component [mm]

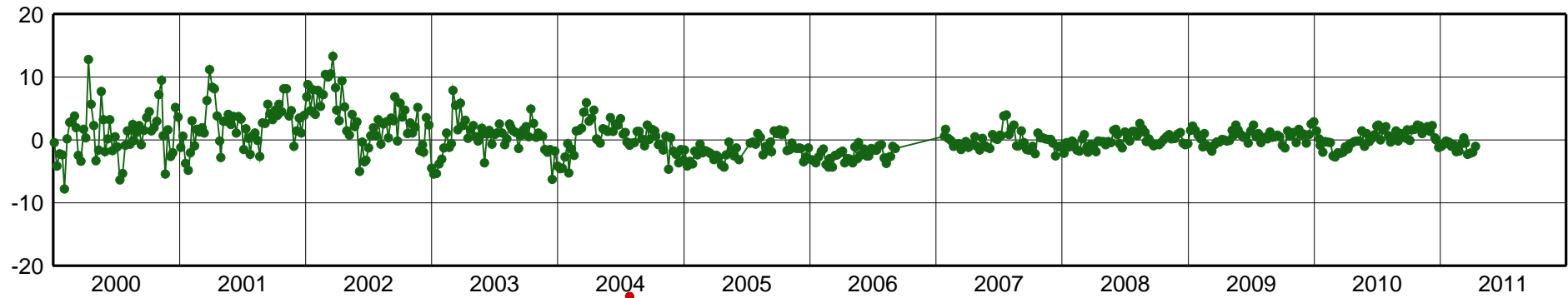


PIE1-North Component [mm]

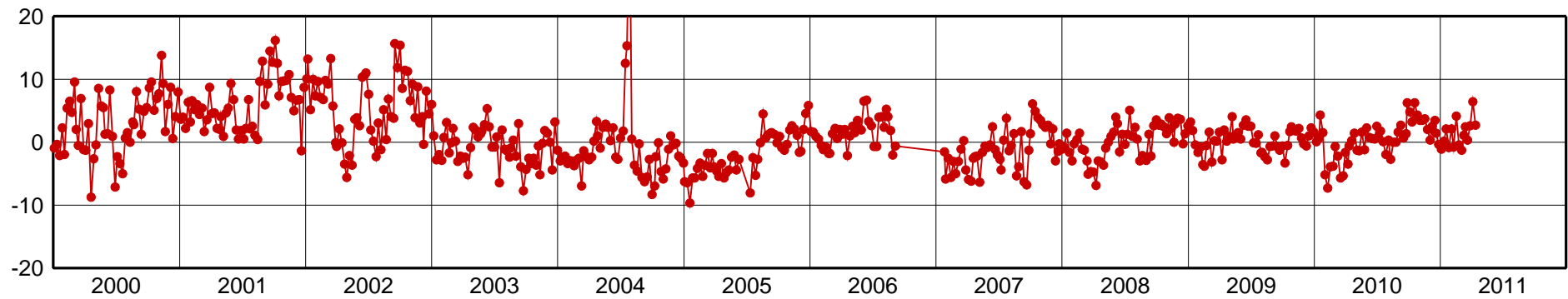
○ SIRGAS Analysis Centre at DGFI



PIE1-East Component [mm]



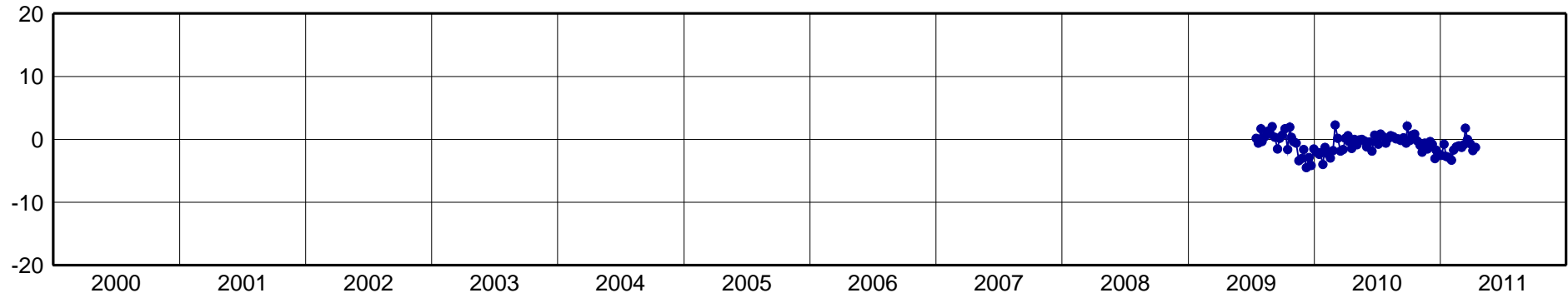
PIE1-Up Component [mm]



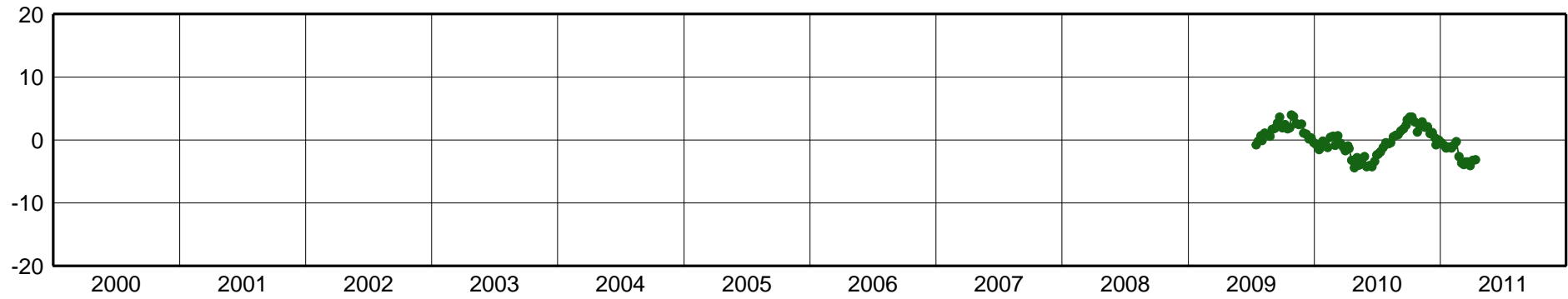


PISR-North Component [mm]

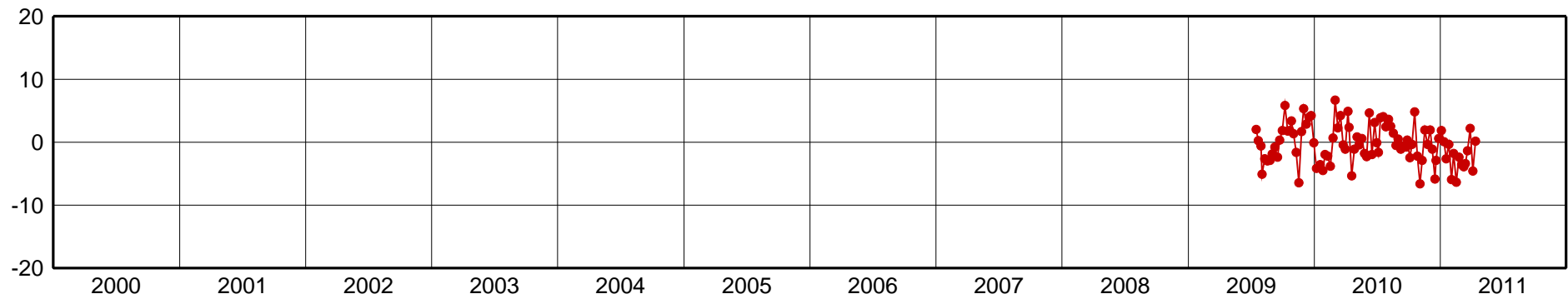
○ SIRGAS Analysis Centre at DGFI



PISR-East Component [mm]

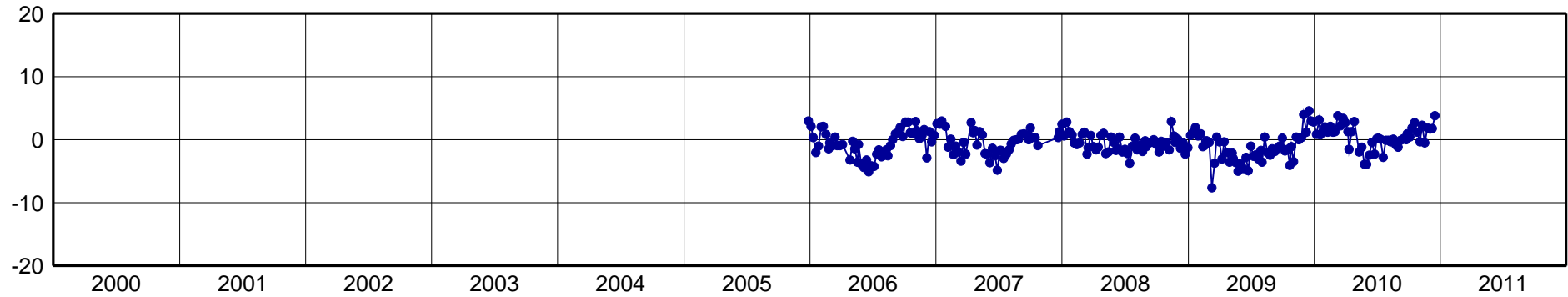


PISR-Up Component [mm]

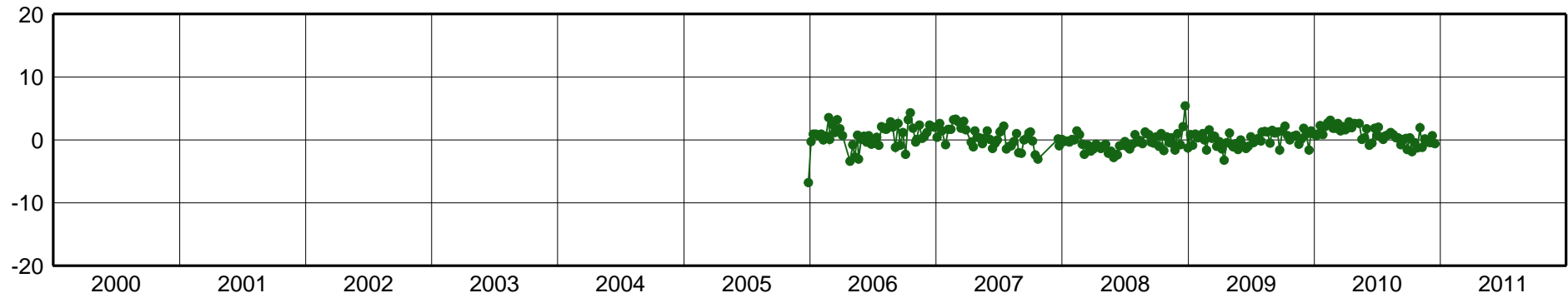


PMB1-North Component [mm]

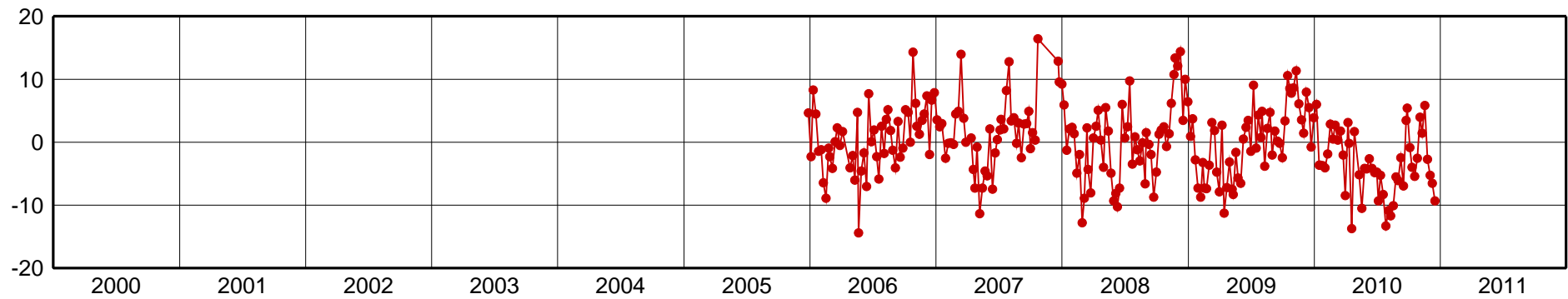
○ SIRGAS Analysis Centre at DGFI



PMB1-East Component [mm]

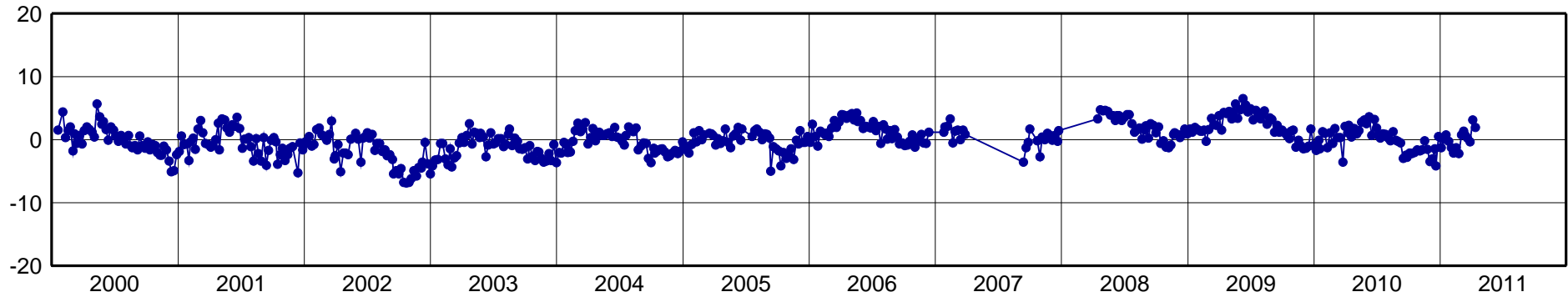


PMB1-Up Component [mm]

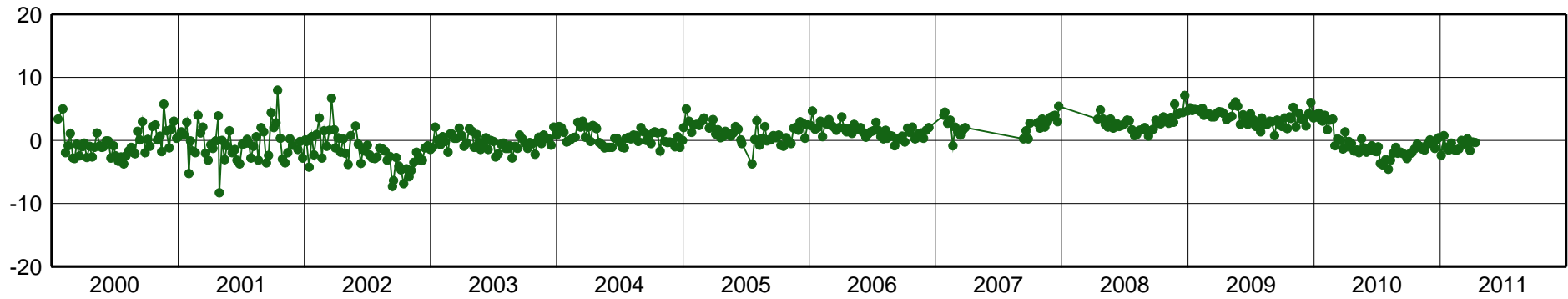


POAL-North Component [mm]

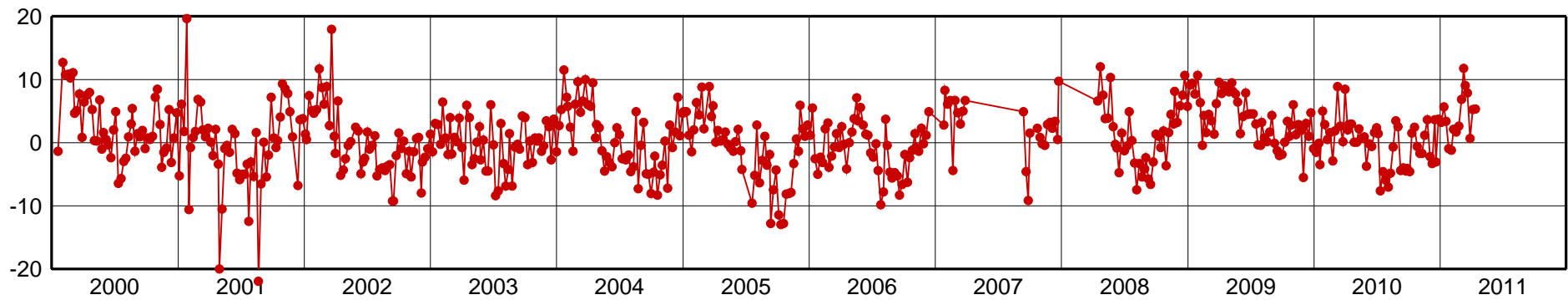
○ SIRGAS Analysis Centre at DGFI



POAL-East Component [mm]

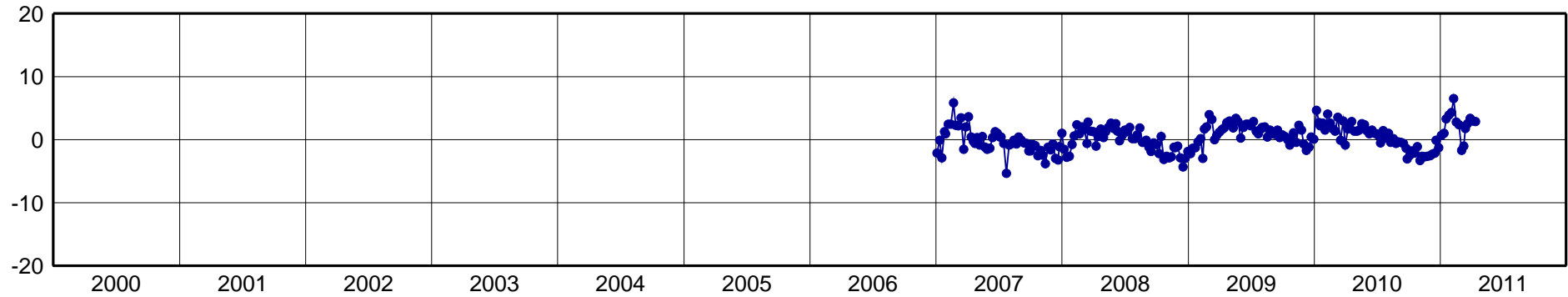


POAL-Up Component [mm]

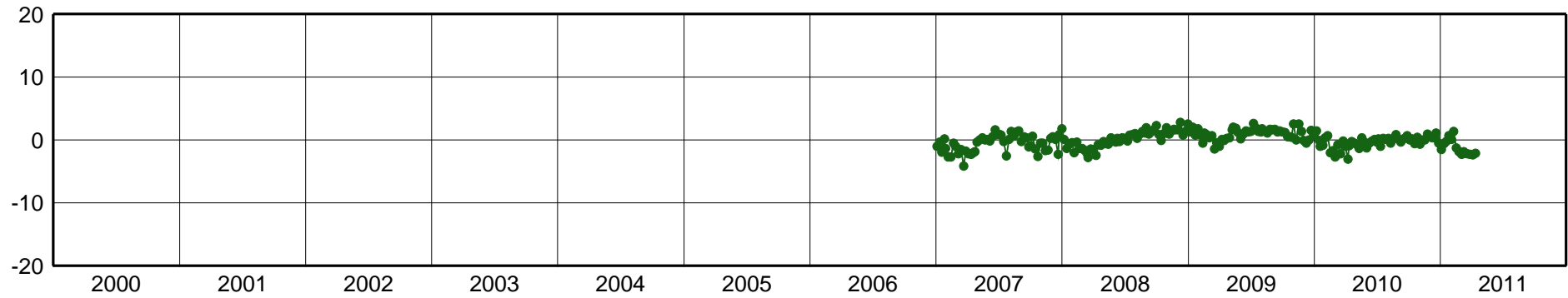


POLI-North Component [mm]

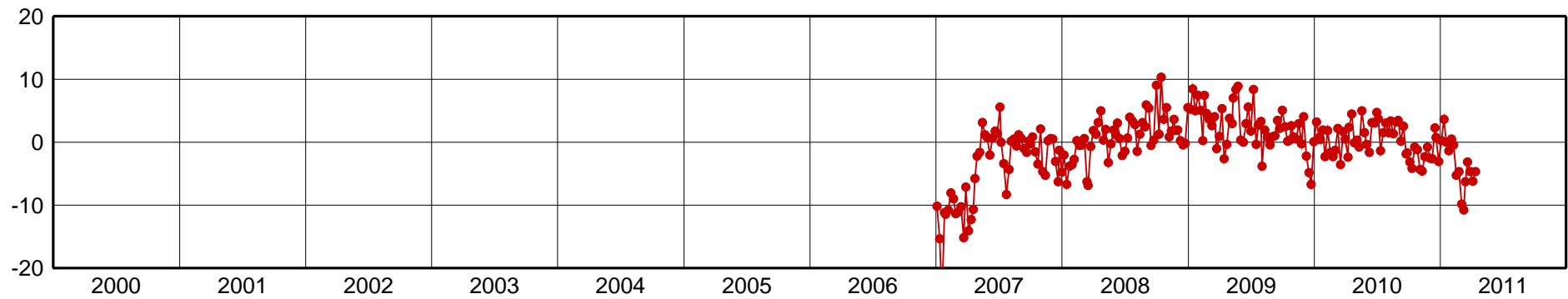
○ SIRGAS Analysis Centre at DGFI



POLI-East Component [mm]

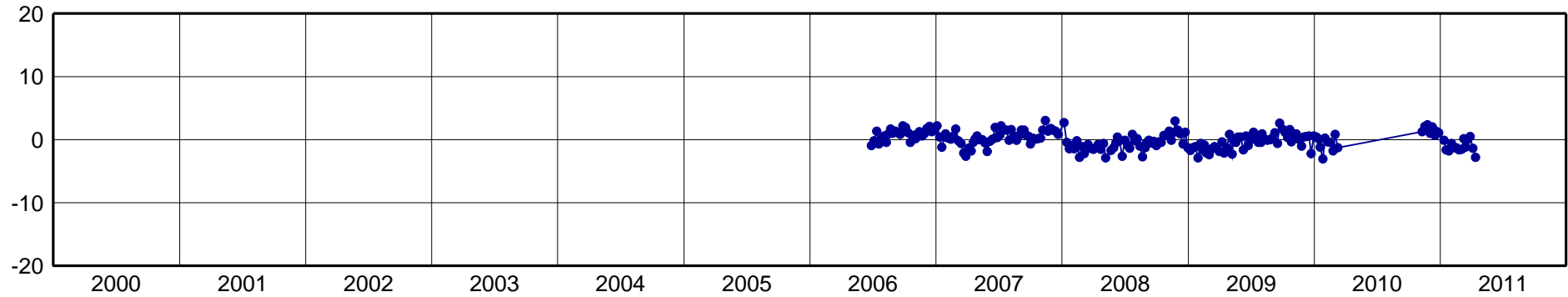


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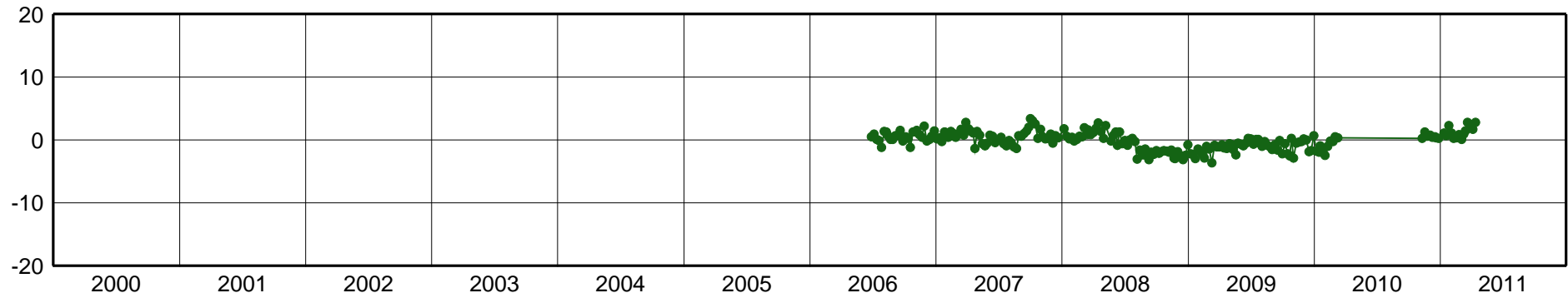


POPA-North Component [mm]

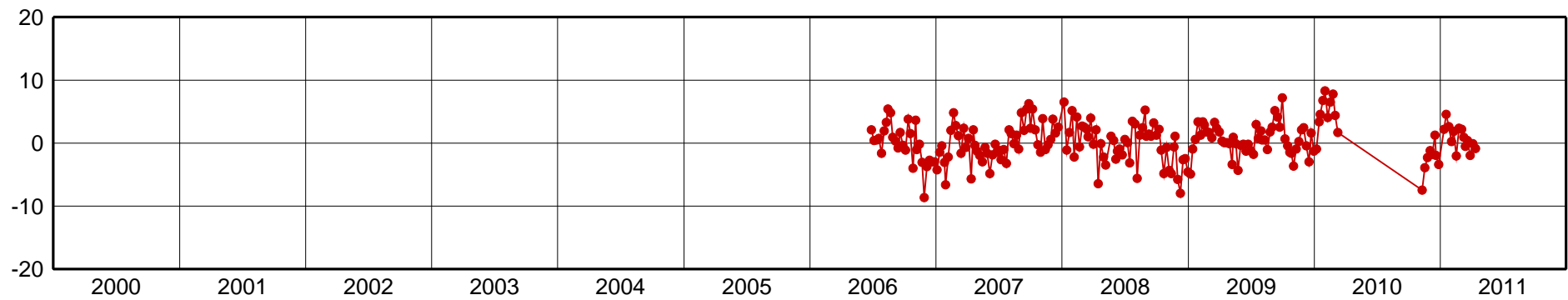
○ SIRGAS Analysis Centre at DGFI



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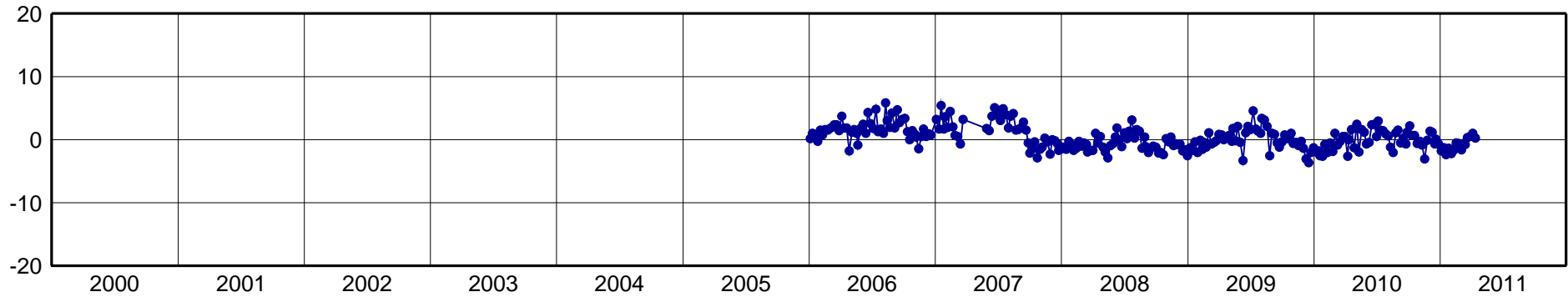


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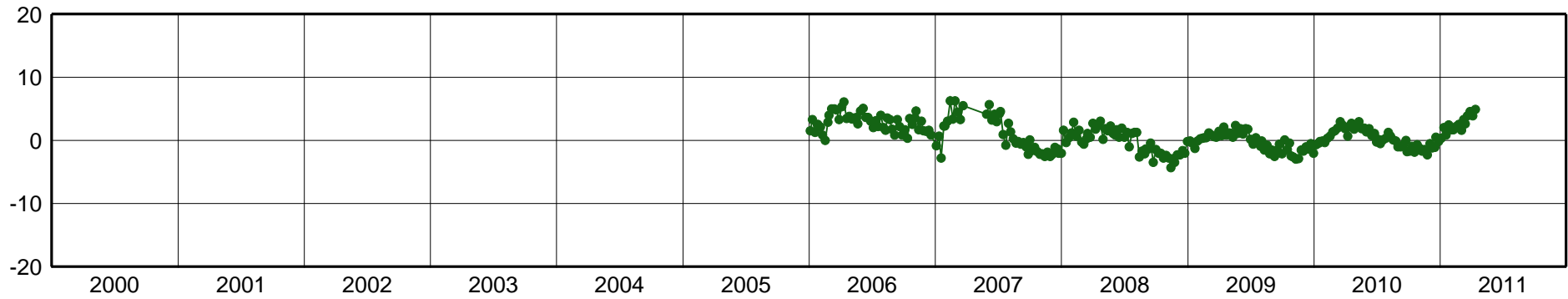


POVE-North Component [mm]

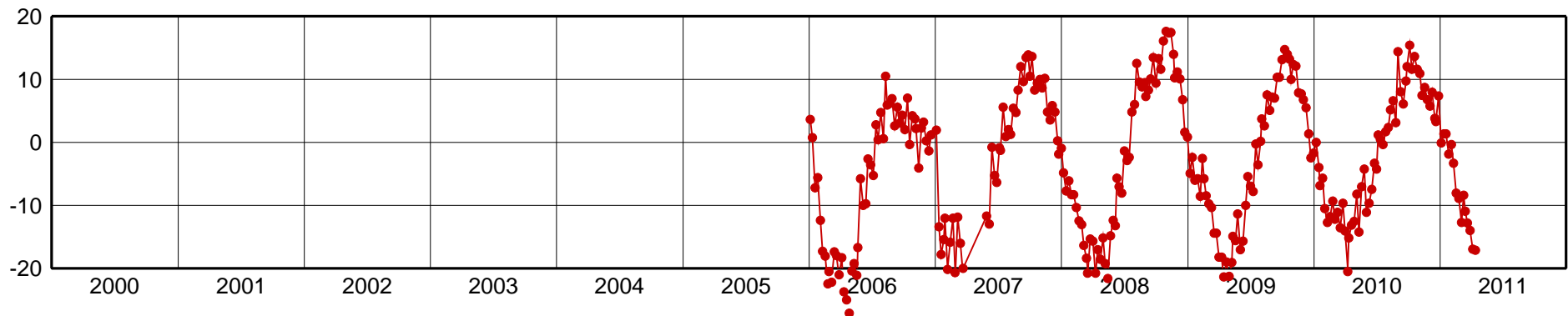
○ SIRGAS Analysis Centre at DGFI



POVE-East Component [mm]

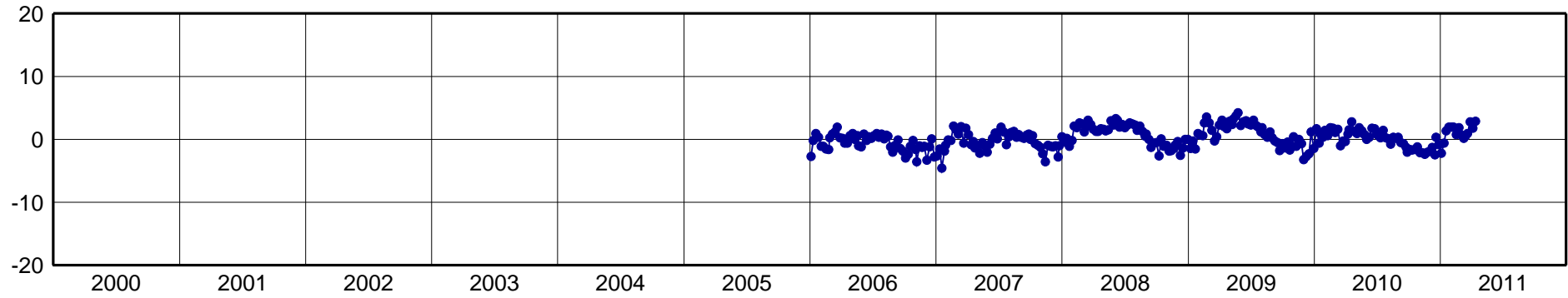


POVE-Up Component [mm]

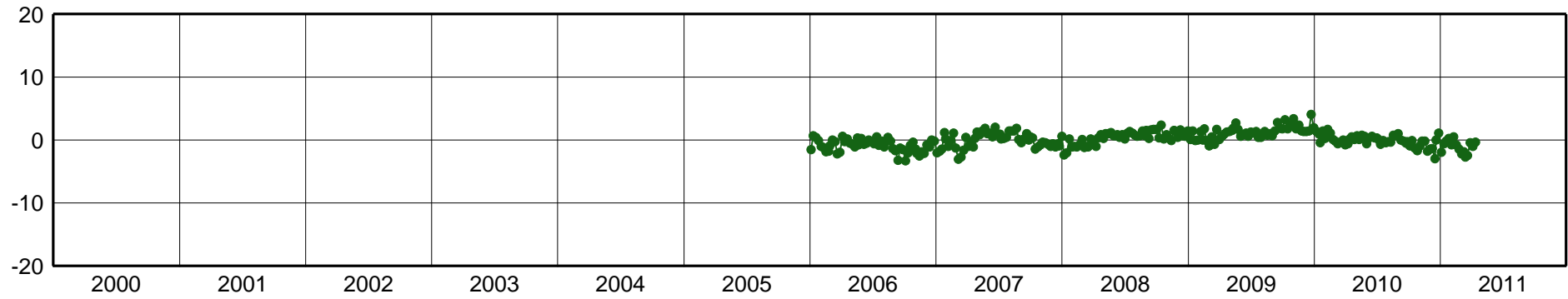


PPTE-North Component [mm]

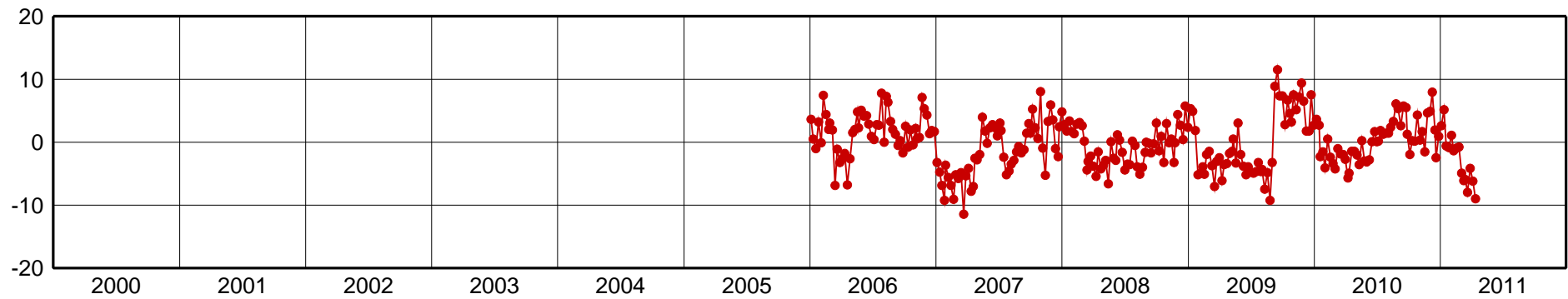
○ SIRGAS Analysis Centre at DGFI



PPTE-East Component [mm]

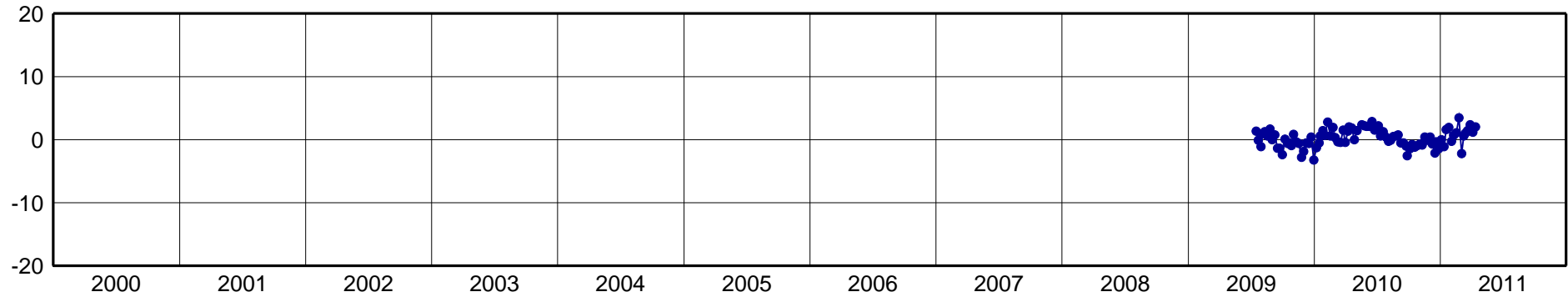


PPTE-Up Component [mm]

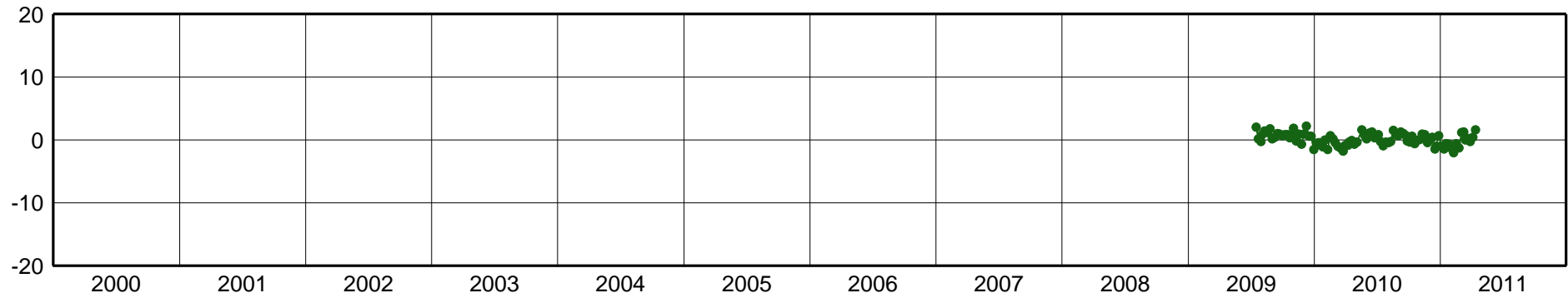


PRGU-North Component [mm]

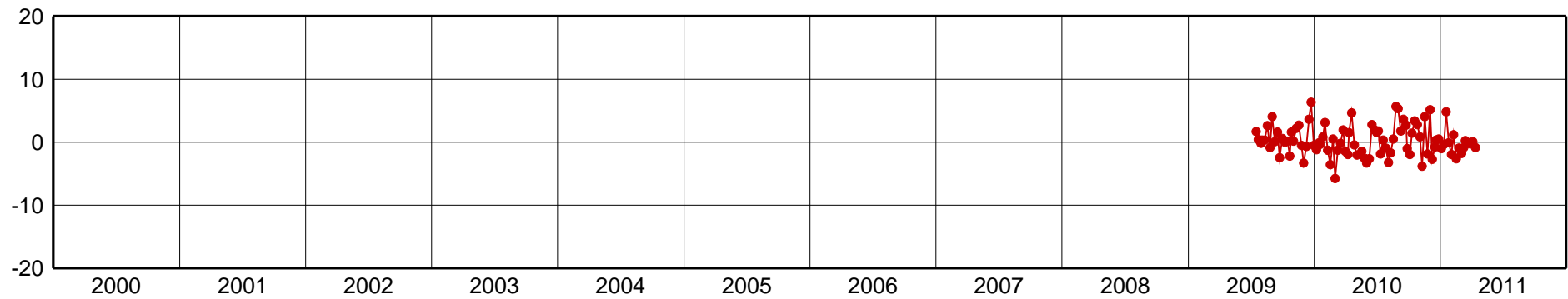
○ SIRGAS Analysis Centre at DGFI



PRGU-East Component [mm]



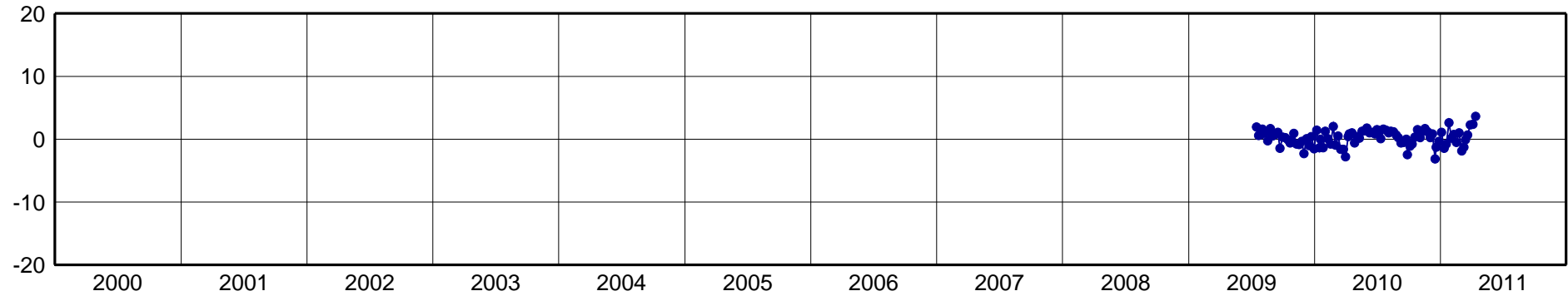
PRGU-Up Component [mm]



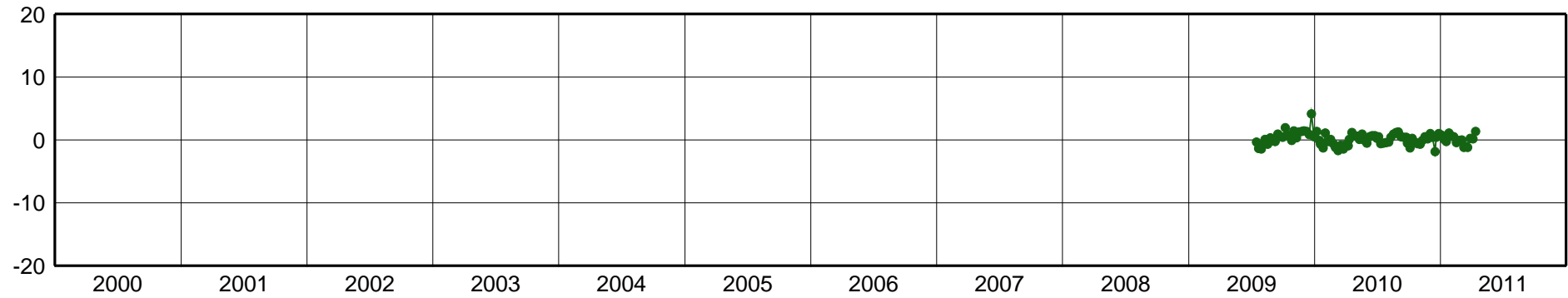


PRMA-North Component [mm]

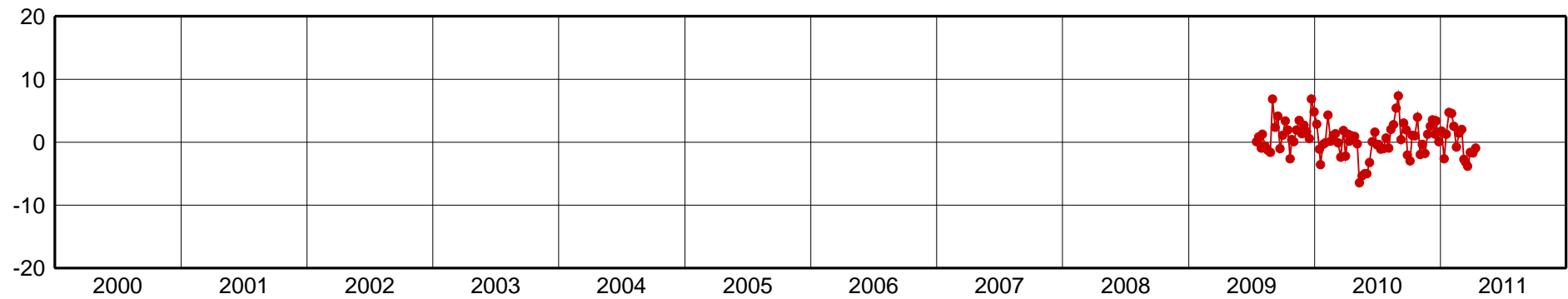
○ SIRGAS Analysis Centre at DGFI



PRMA-East Component [mm]

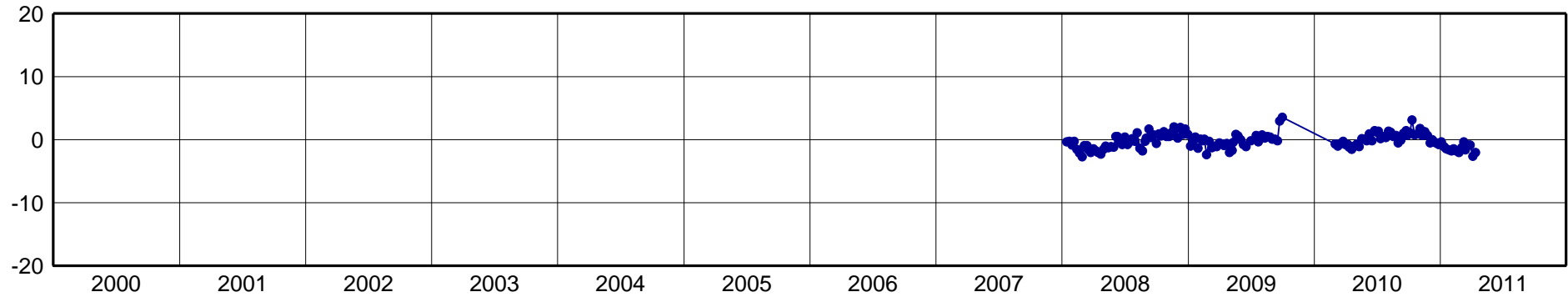


PRMA-Up Component [mm]

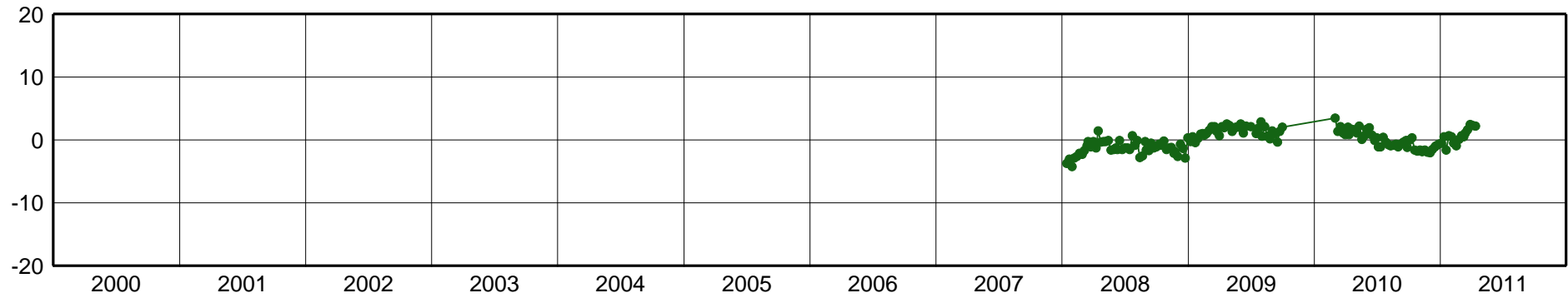


PSTO-North Component [mm]

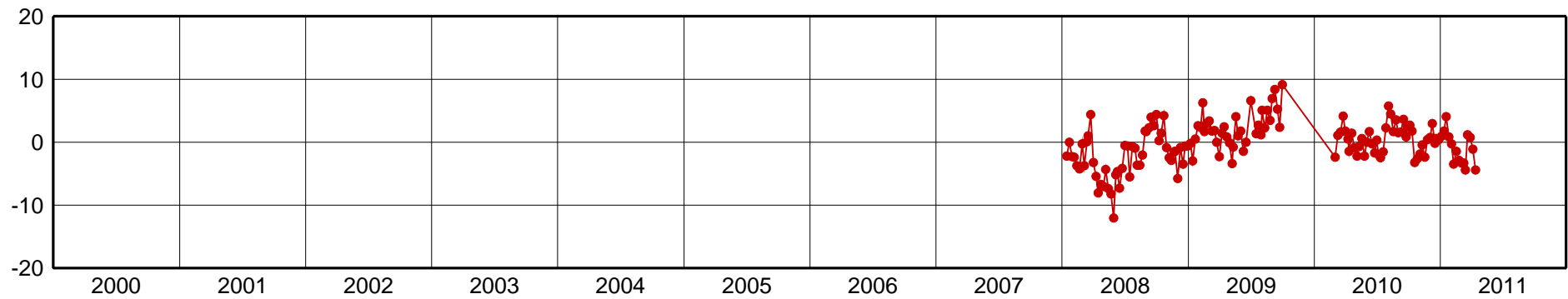
○ SIRGAS Analysis Centre at DGFI



PSTO-East Component [mm]

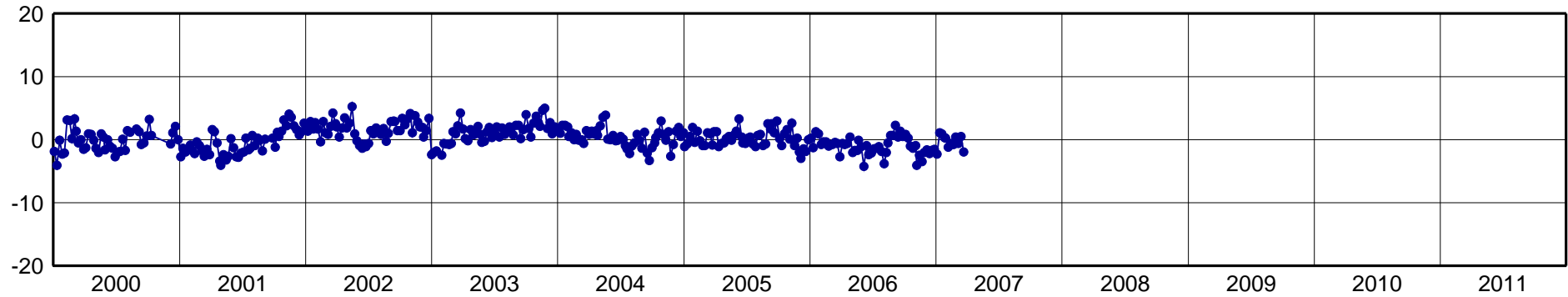


PSTO-Up Component [mm]

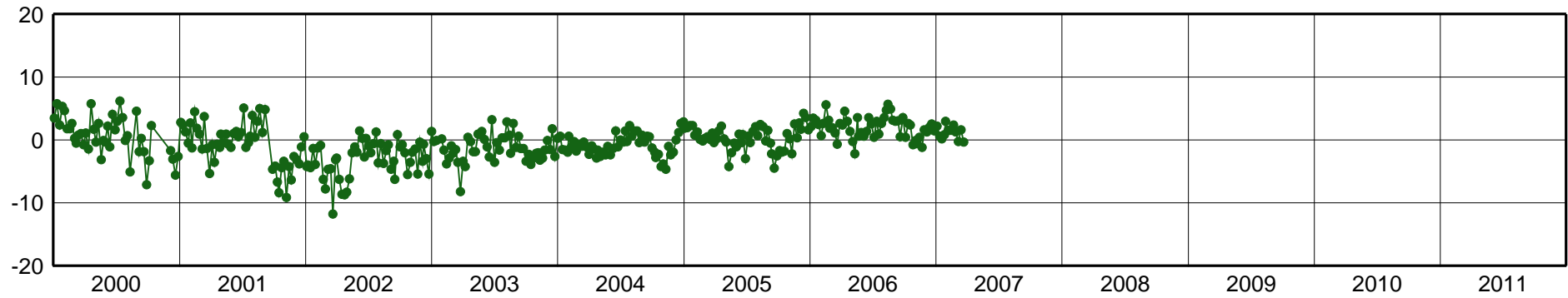


PUR3-North Component [mm]

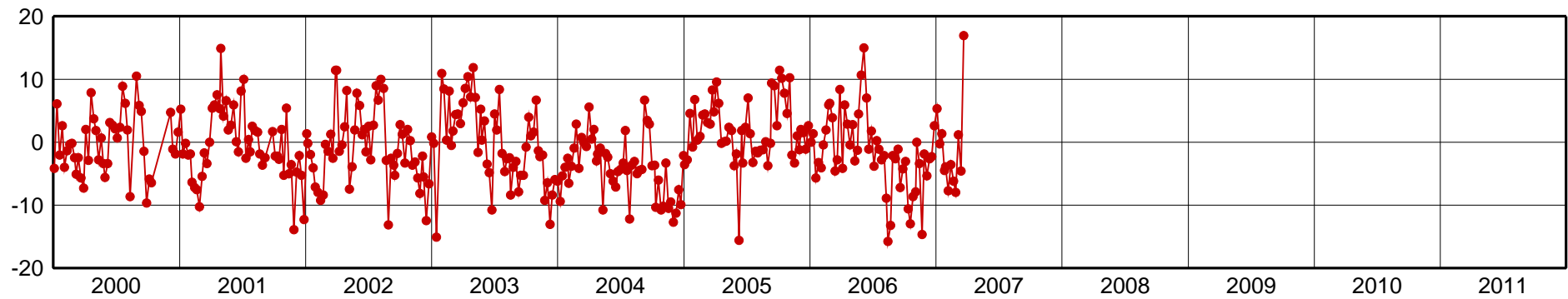
○ SIRGAS Analysis Centre at DGFI



PUR3-East Component [mm]

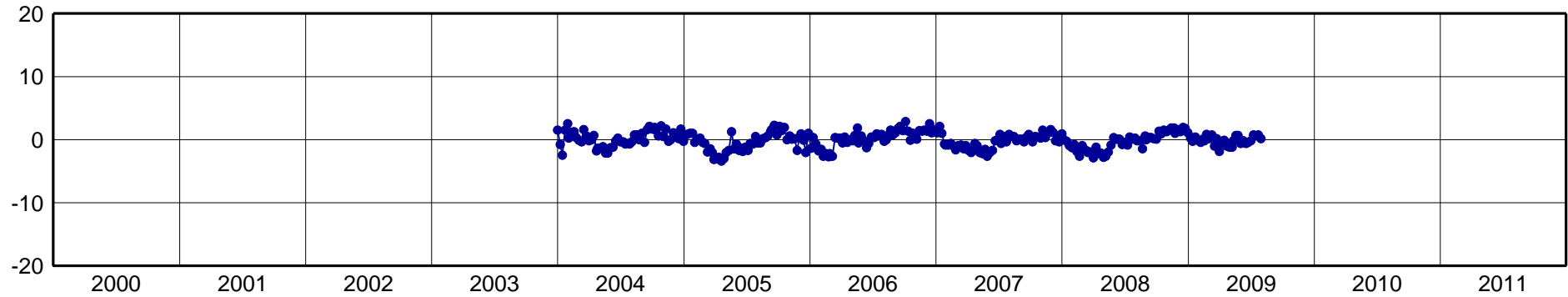


PUR3-Up Component [mm]

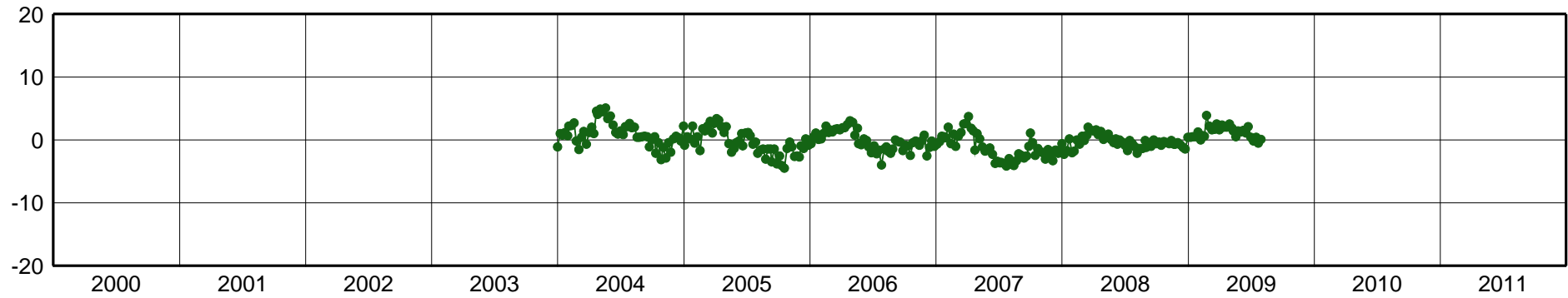


QUI1-North Component [mm]

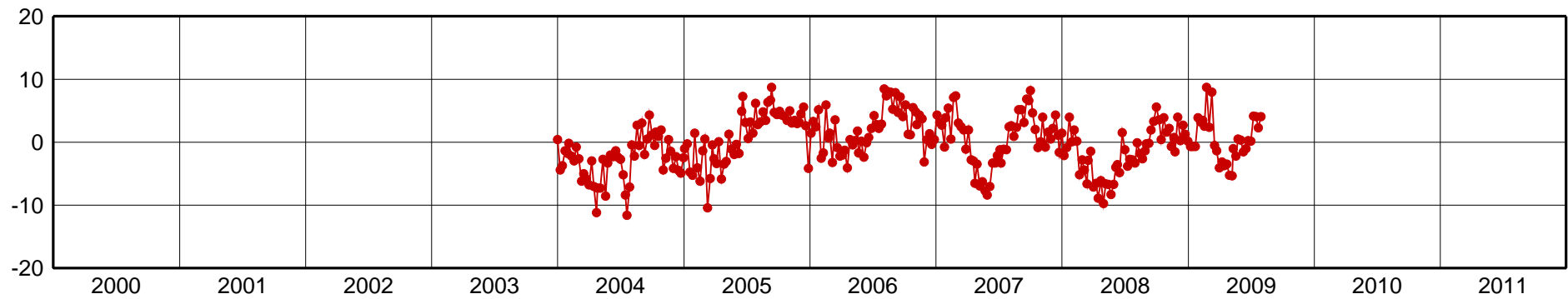
○ SIRGAS Analysis Centre at DGFI



QUI1-East Component [mm]

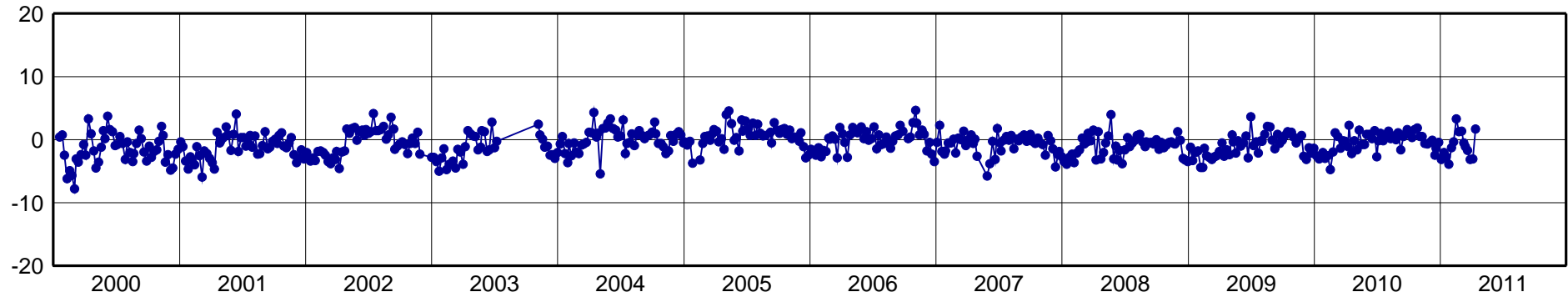


QUI1-Up Component [mm]

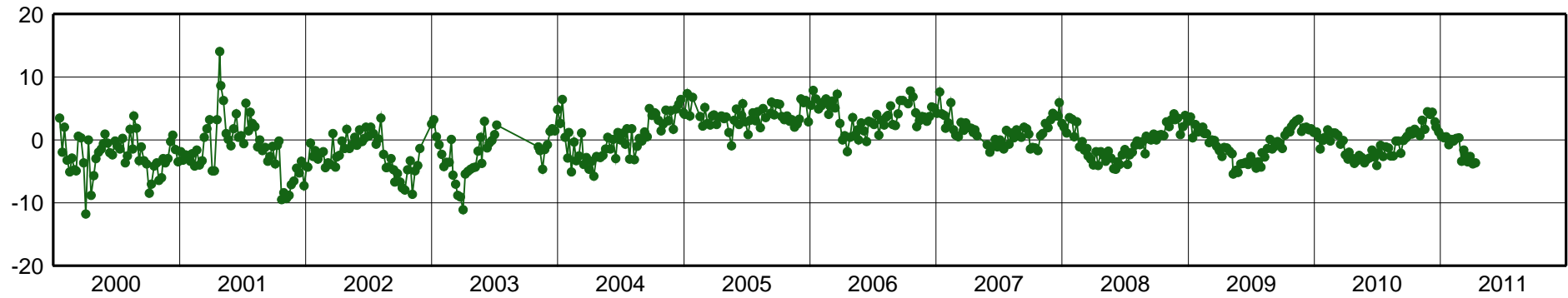


RECF-North Component [mm]

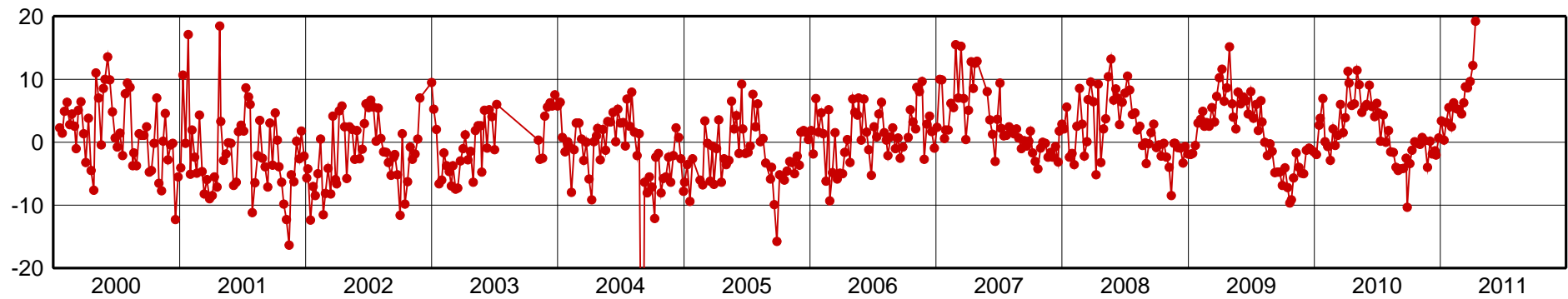
○ SIRGAS Analysis Centre at DGFI



RECF-East Component [mm]

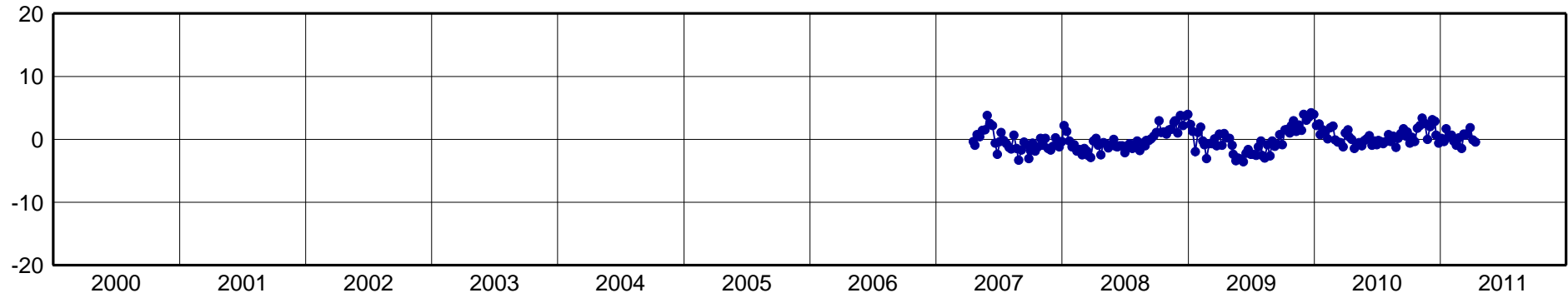


RECF-Up Component [mm]

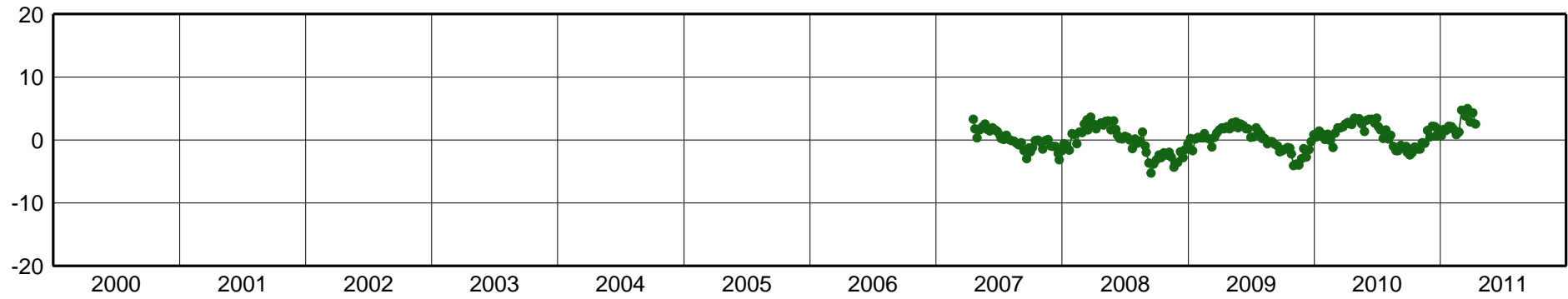


RIO2-North Component [mm]

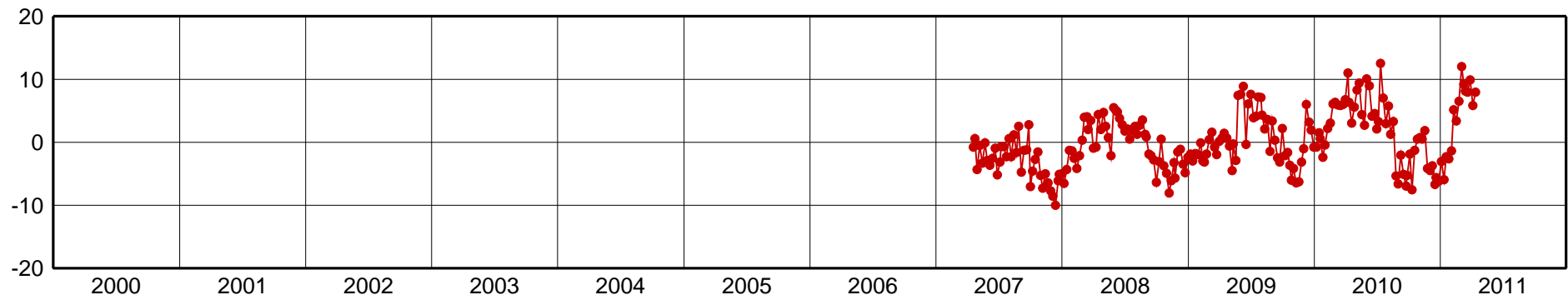
○ SIRGAS Analysis Centre at DGFI



RIO2-East Component [mm]

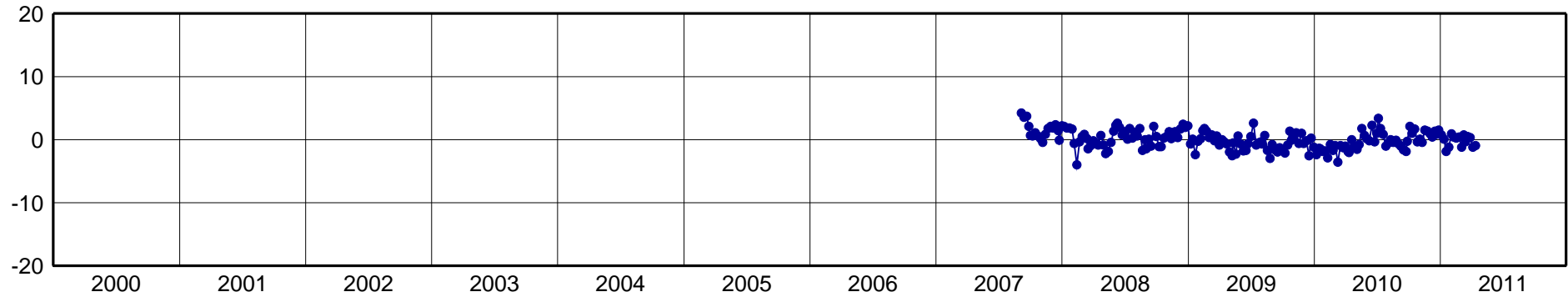


RIO2-Up Component [mm]

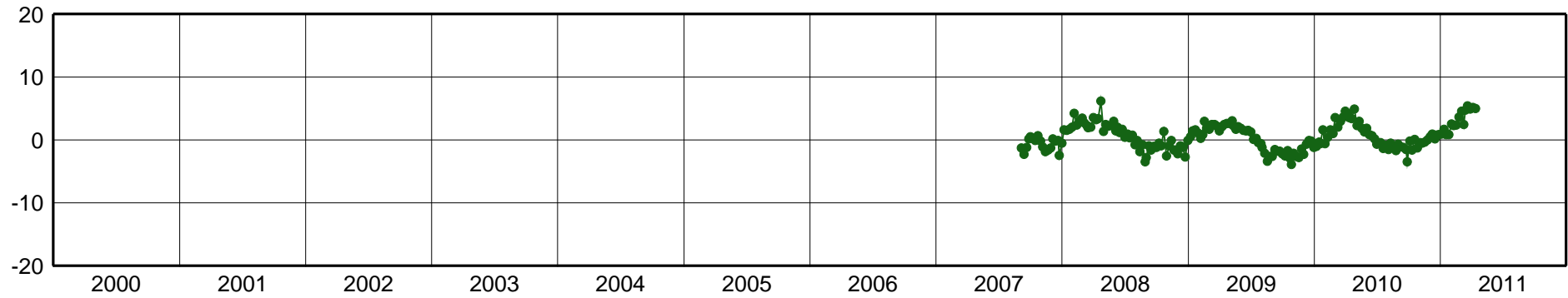


RIOB-North Component [mm]

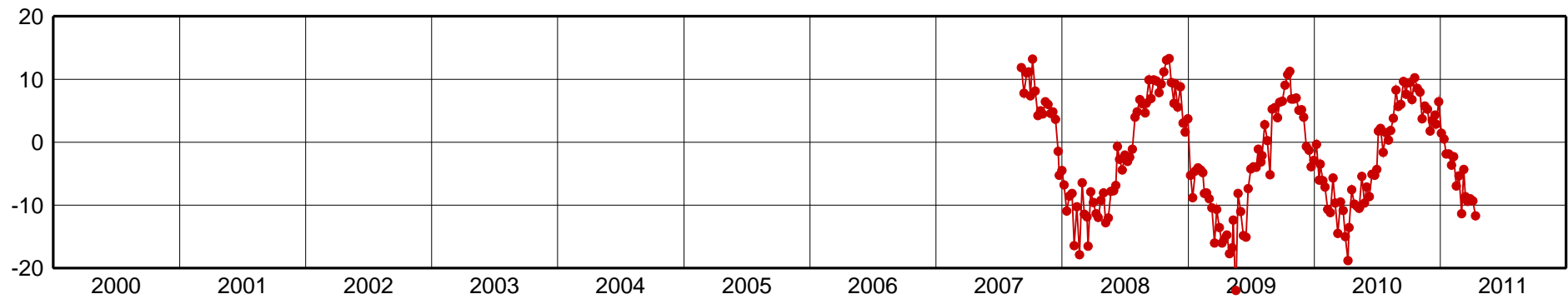
○ SIRGAS Analysis Centre at DGFI



RIOB-East Component [mm]

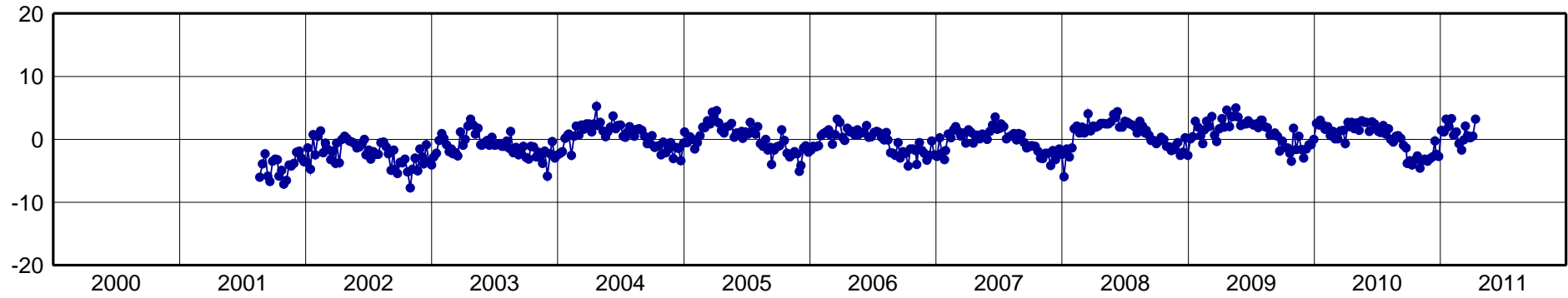


RIOB-Up Component [mm]

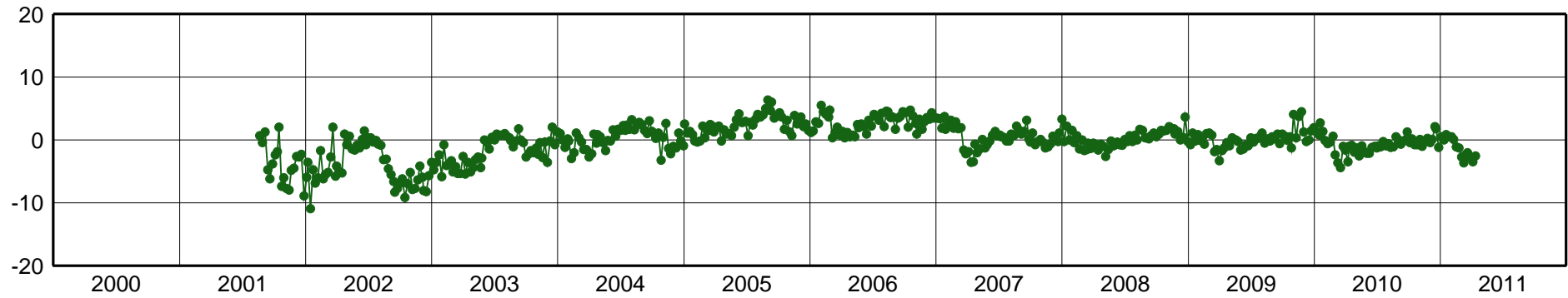


RIOD-North Component [mm]

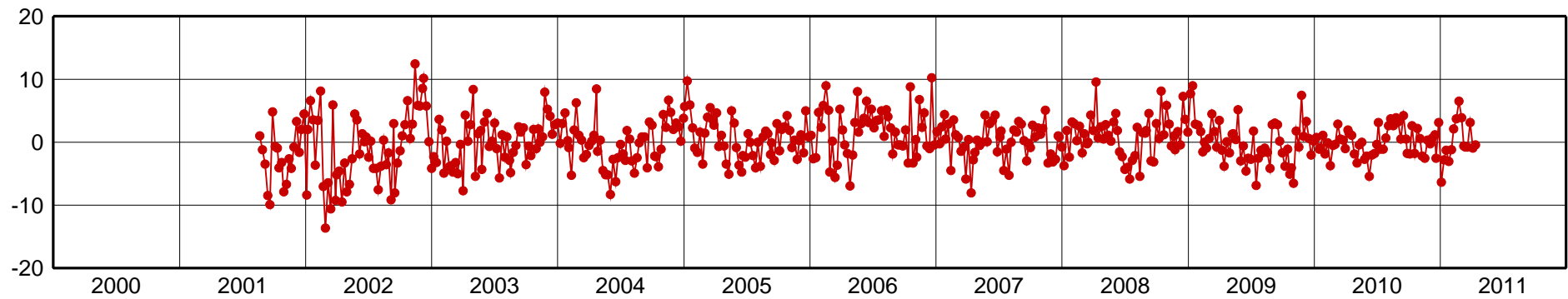
○ SIRGAS Analysis Centre at DGFI



RIOD-East Component [mm]



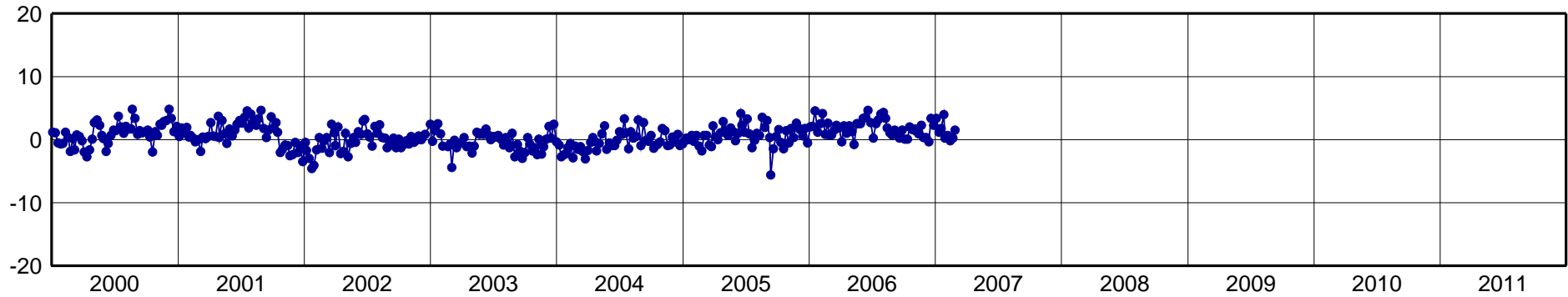
RIOD-Up Component [mm]



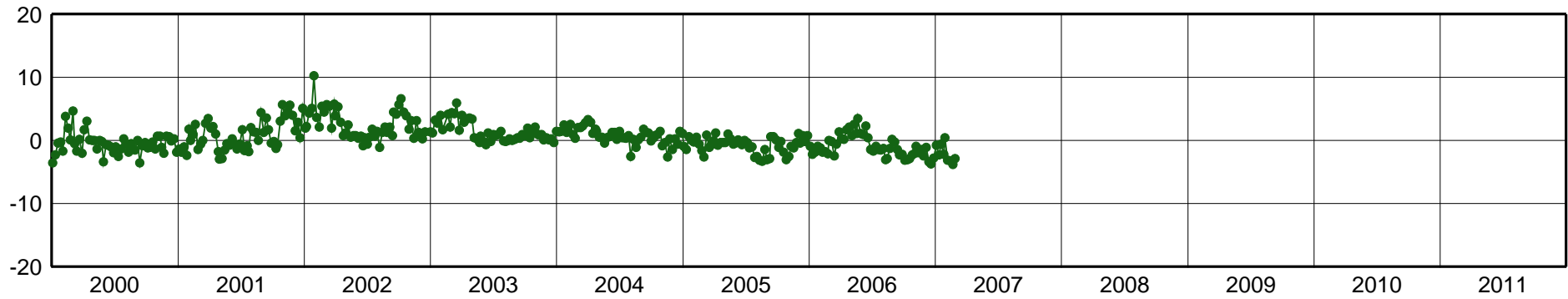


RIOG-North Component [mm]

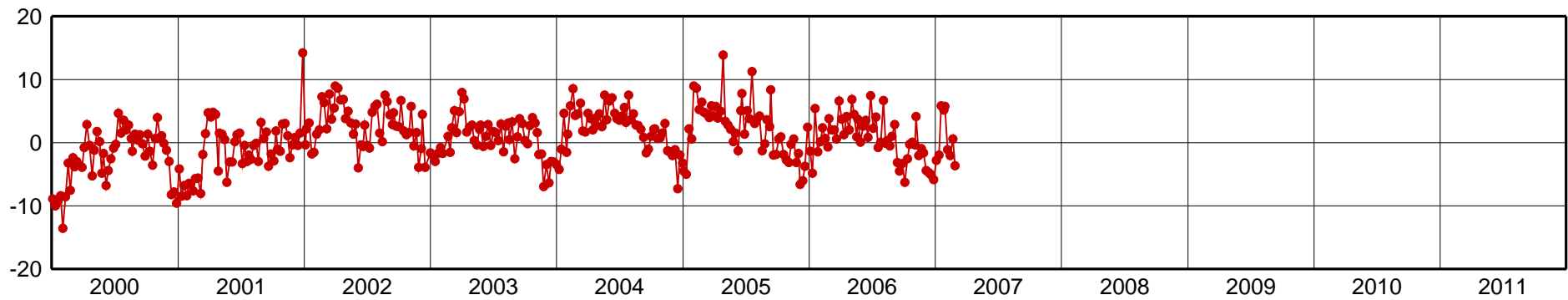
○ SIRGAS Analysis Centre at DGFI



RI OG-East Component [mm]

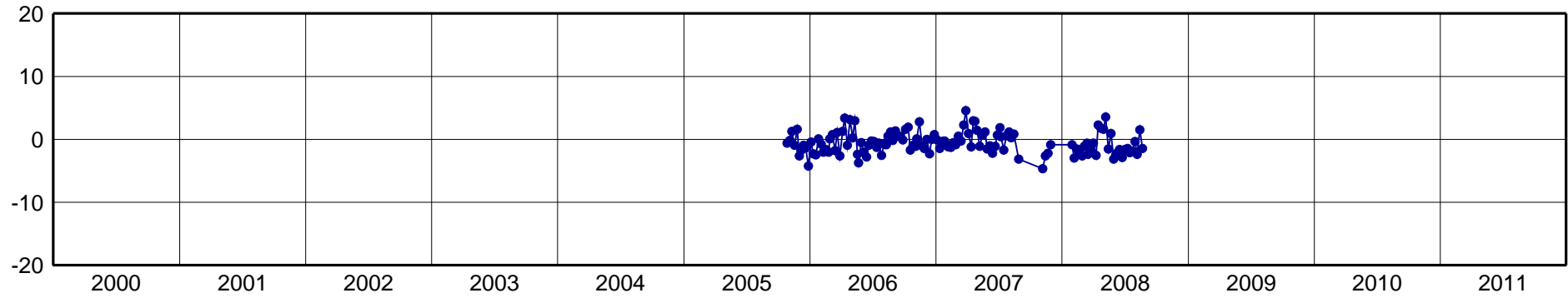


RI OG-Up Component [mm]

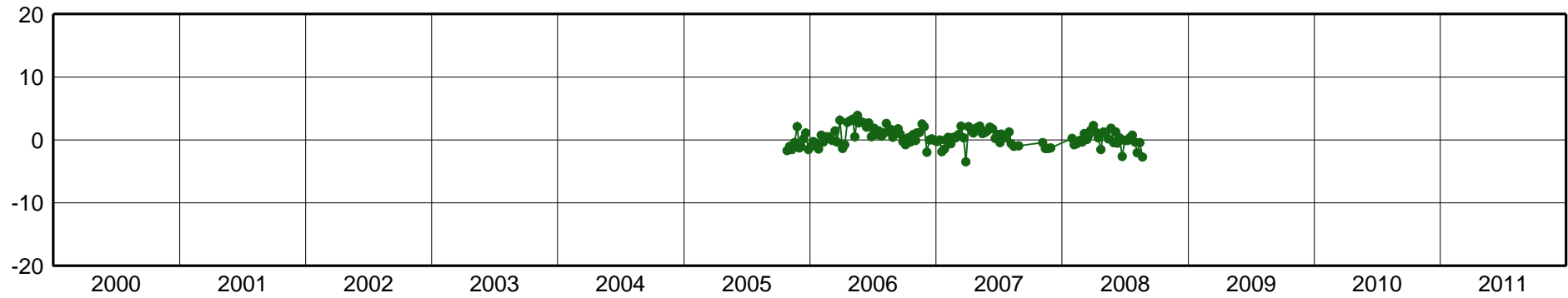


RIOH-North Component [mm]

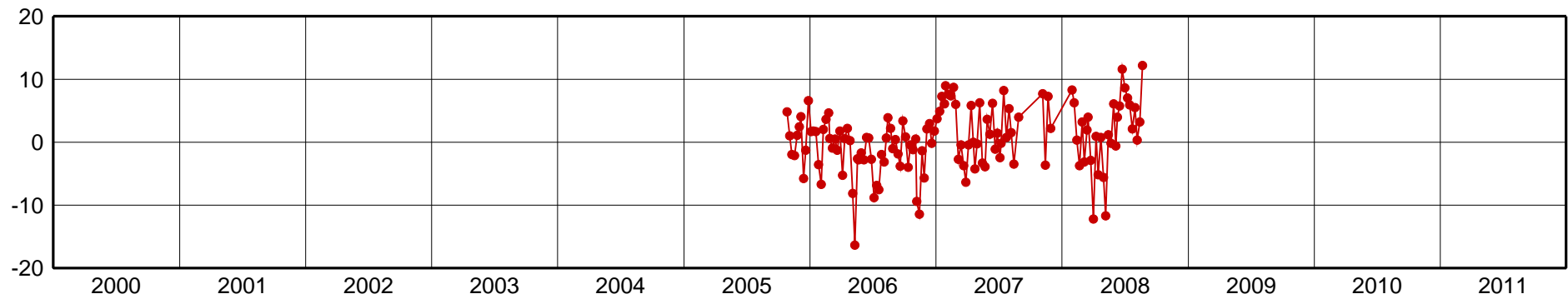
○ SIRGAS Analysis Centre at DGFI



RIOH-East Component [mm]

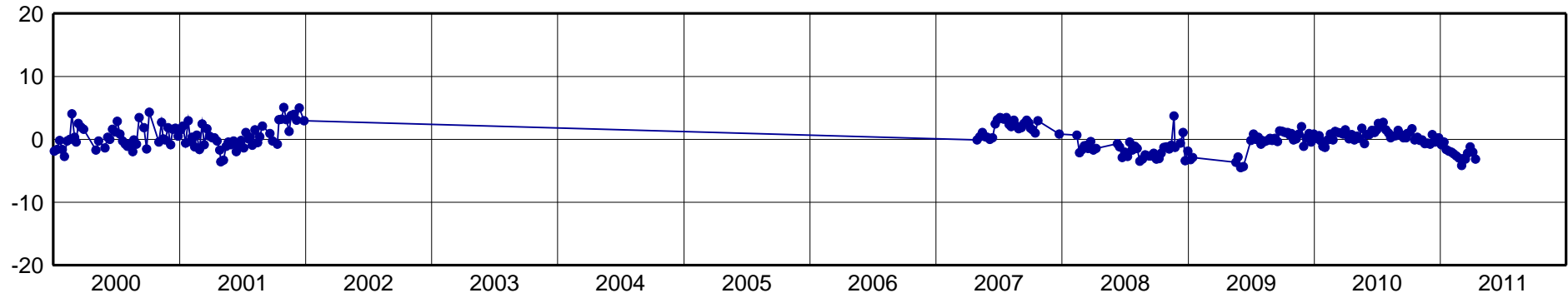


RIOH-Up Component [mm]

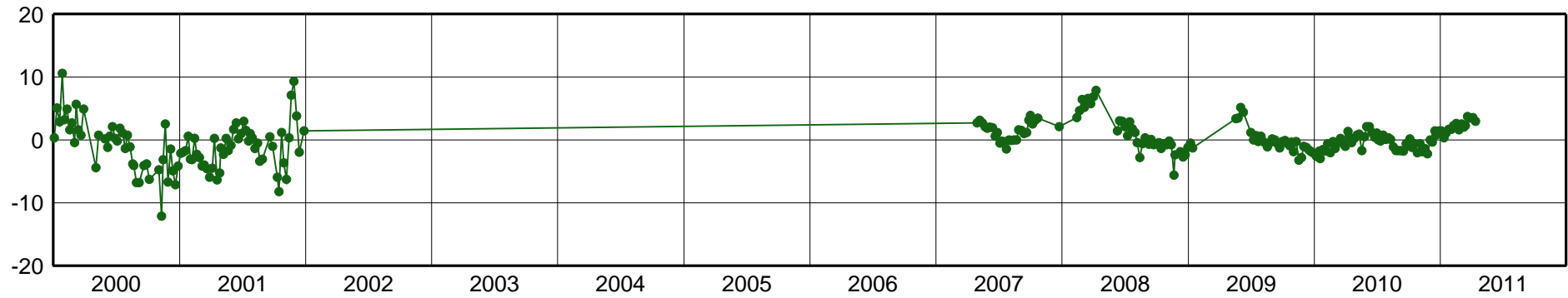


RIOP-North Component [mm]

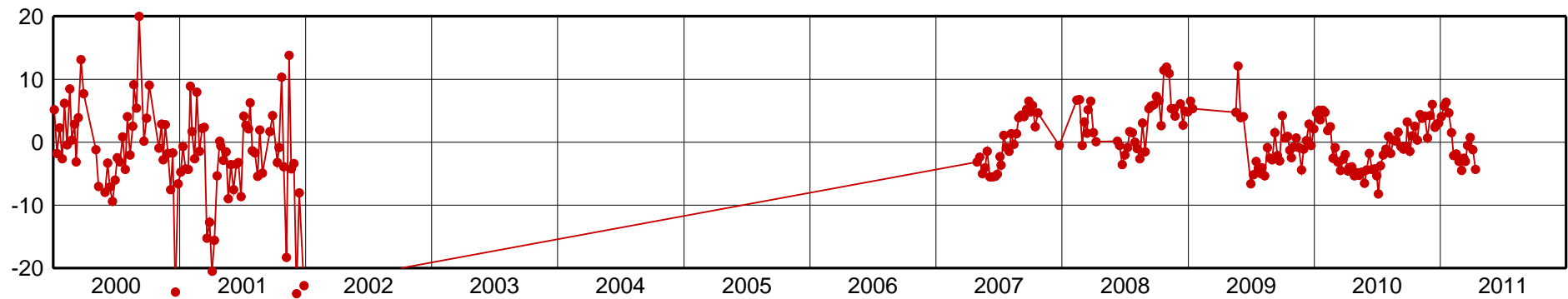
○ SIRGAS Analysis Centre at DGFI



RIOP-East Component [mm]

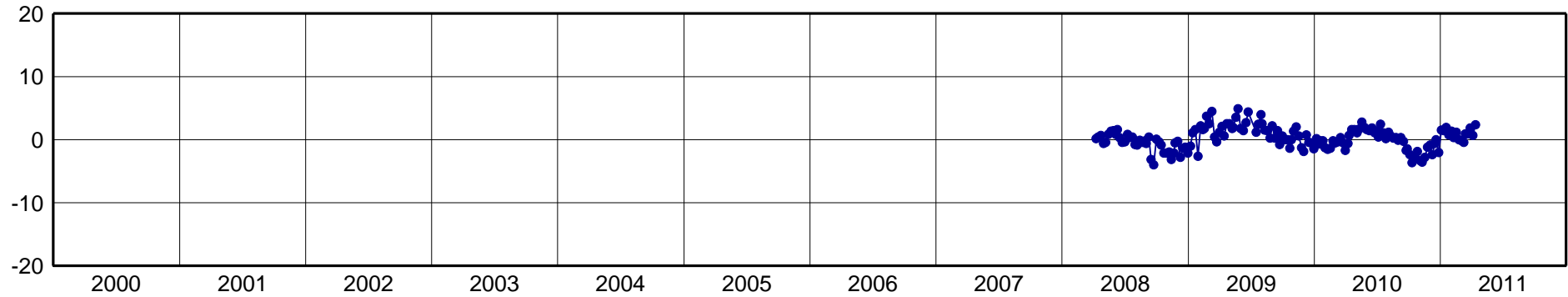


RIOP-Up Component [mm]

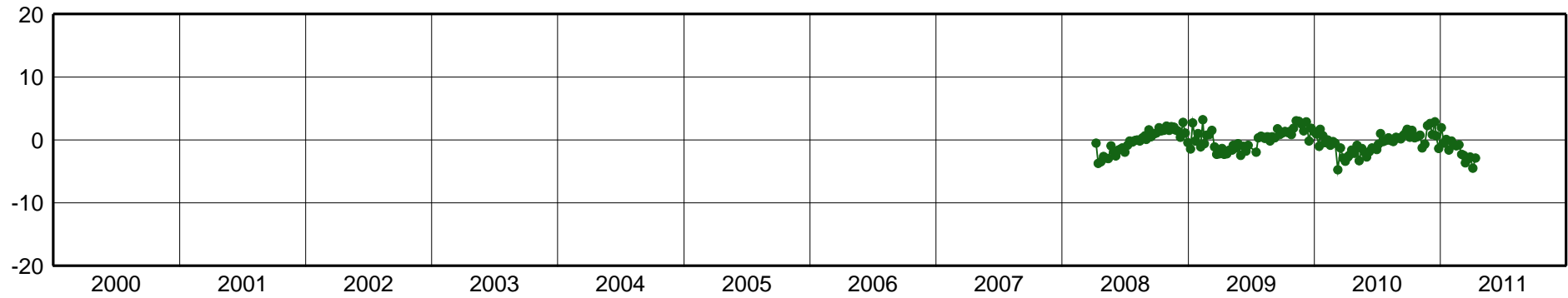


RJCG-North Component [mm]

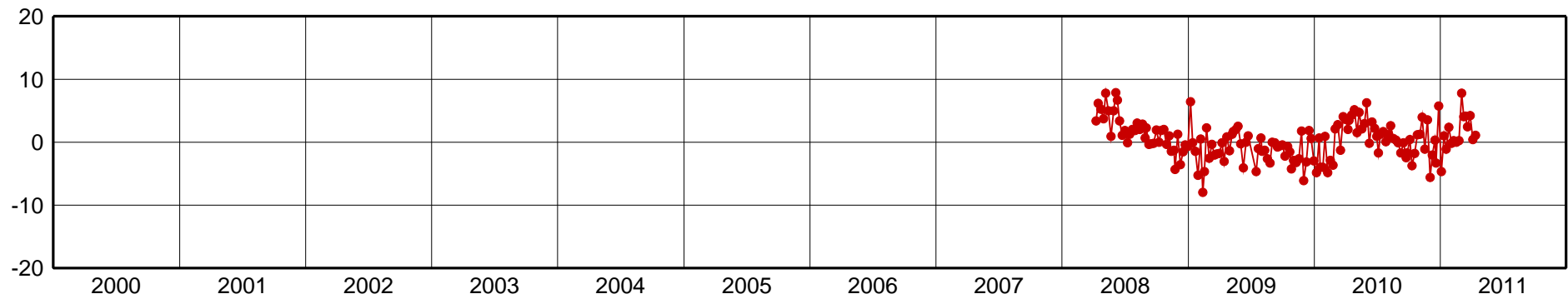
○ SIRGAS Analysis Centre at DGFI



RJCG-East Component [mm]

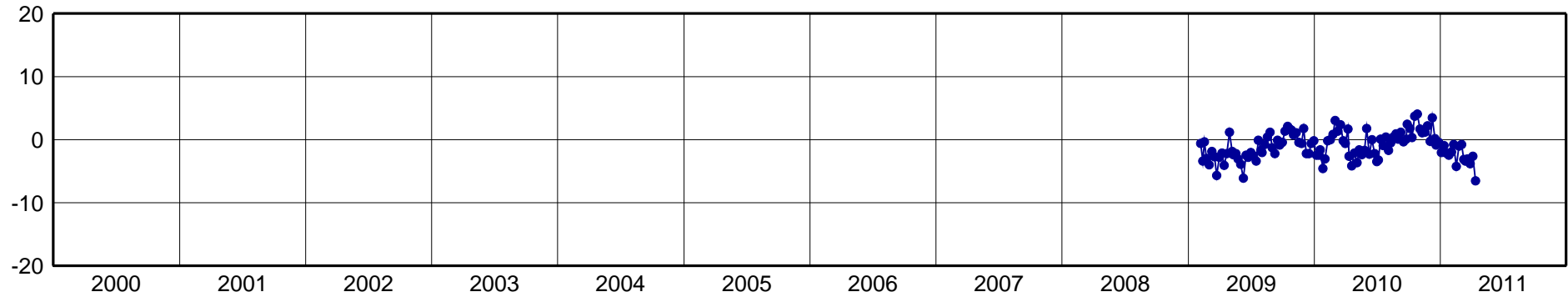


RJCG-Up Component [mm]

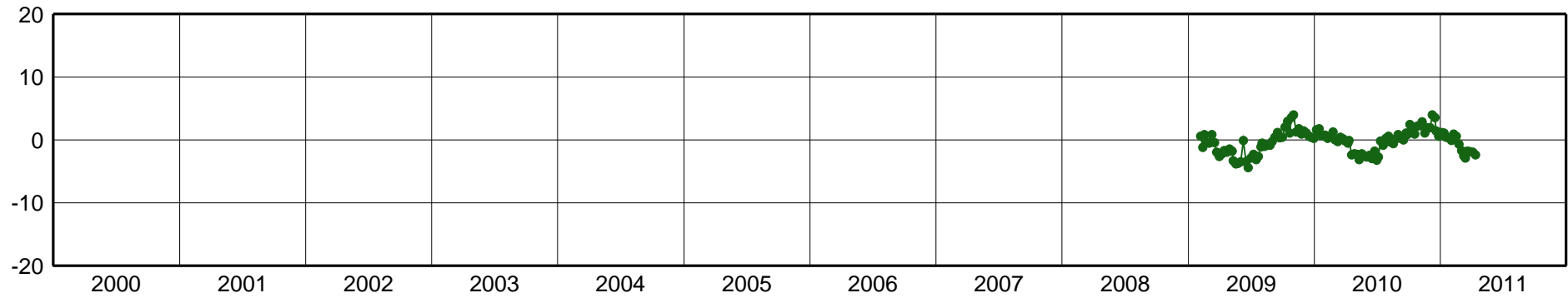


RNMO-North Component [mm]

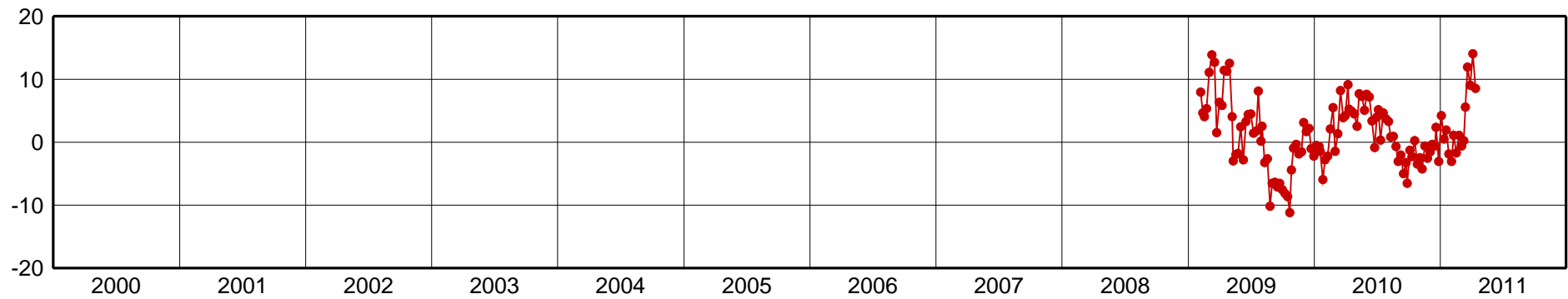
○ SIRGAS Analysis Centre at DGFI



RNMO-East Component [mm]

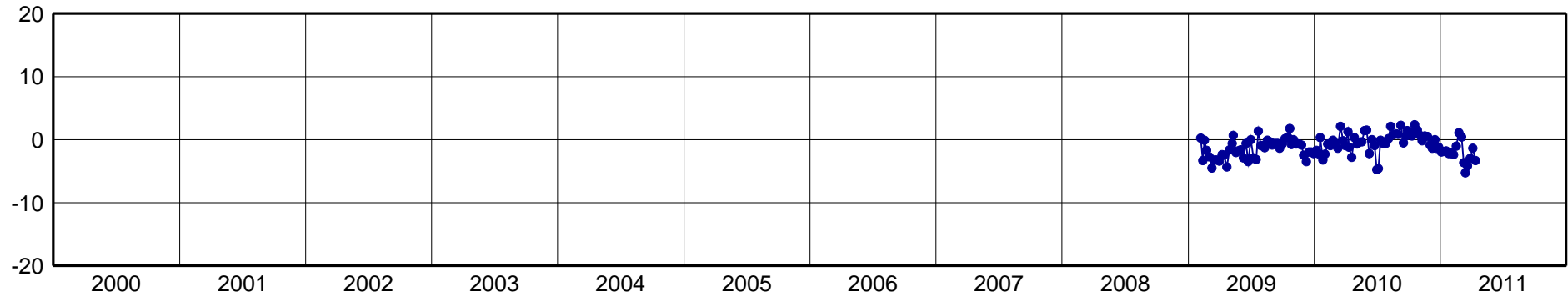


RNMO-Up Component [mm]

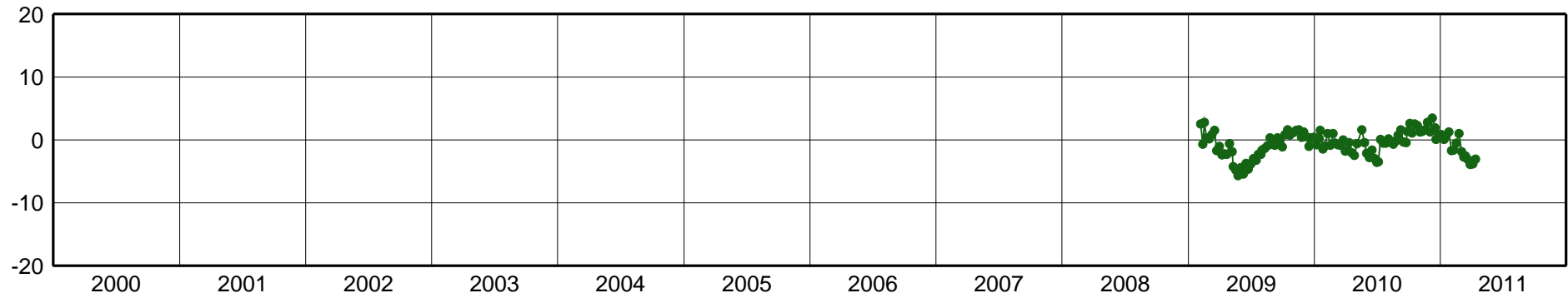


RNNA-North Component [mm]

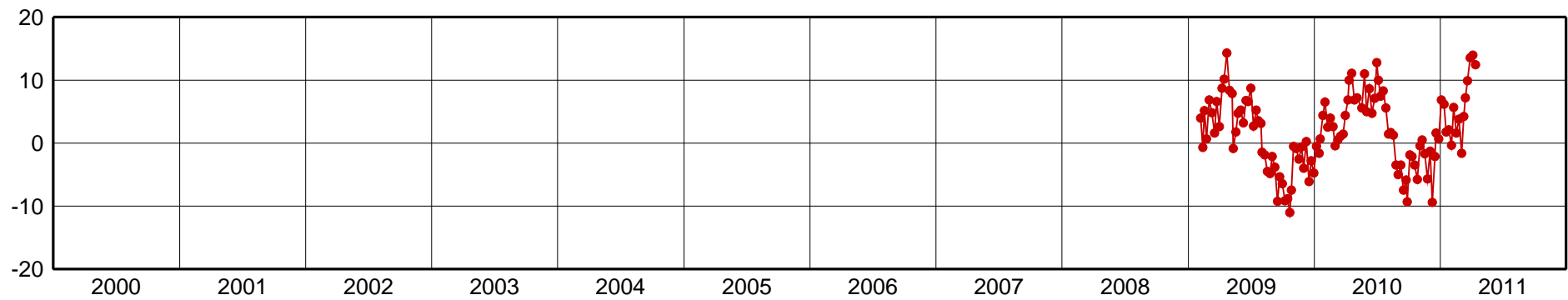
○ SIRGAS Analysis Centre at DGFI



RNNA-East Component [mm]

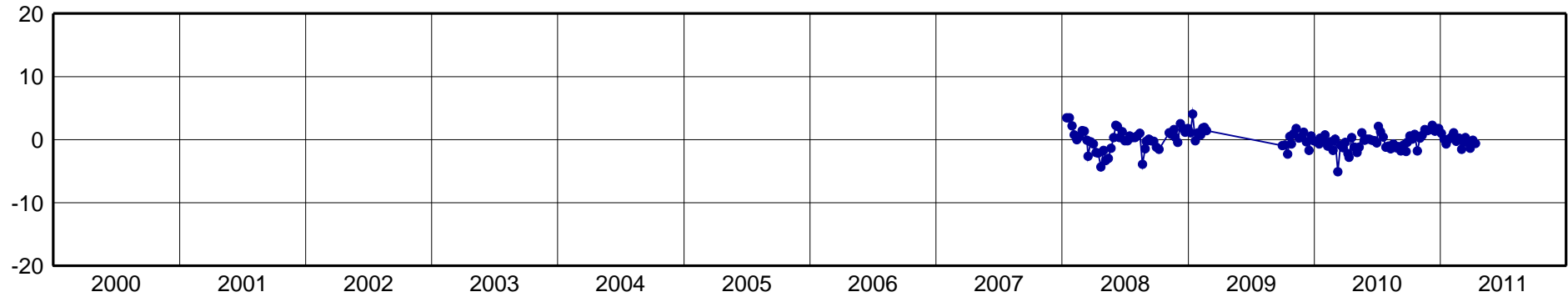


RNNA-Up Component [mm]

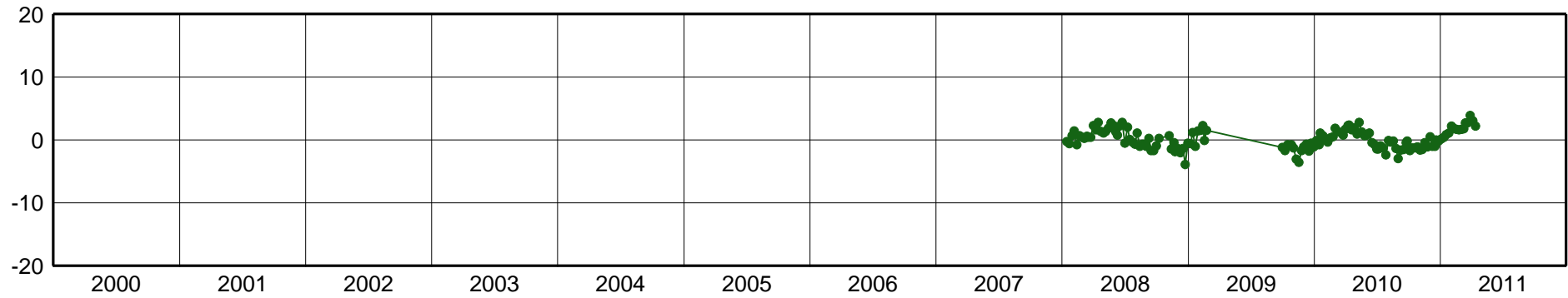


ROGM-North Component [mm]

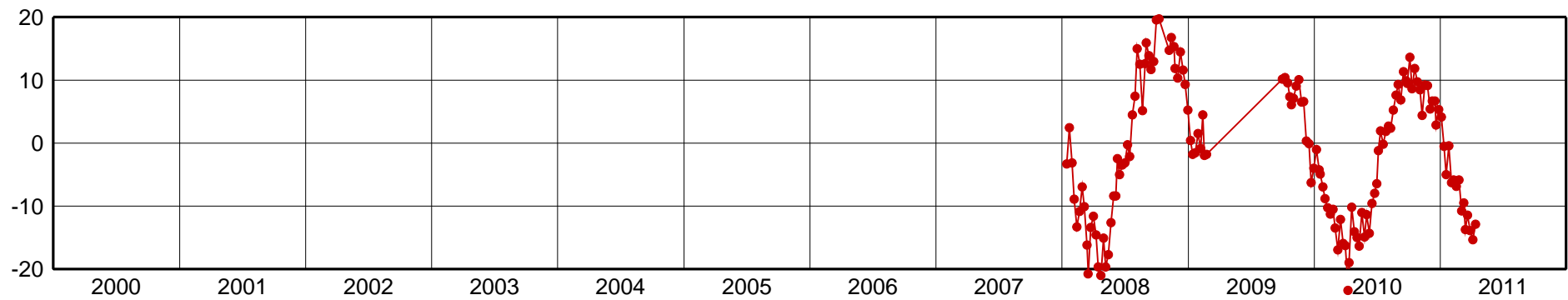
○ SIRGAS Analysis Centre at DGFI



ROGM-East Component [mm]

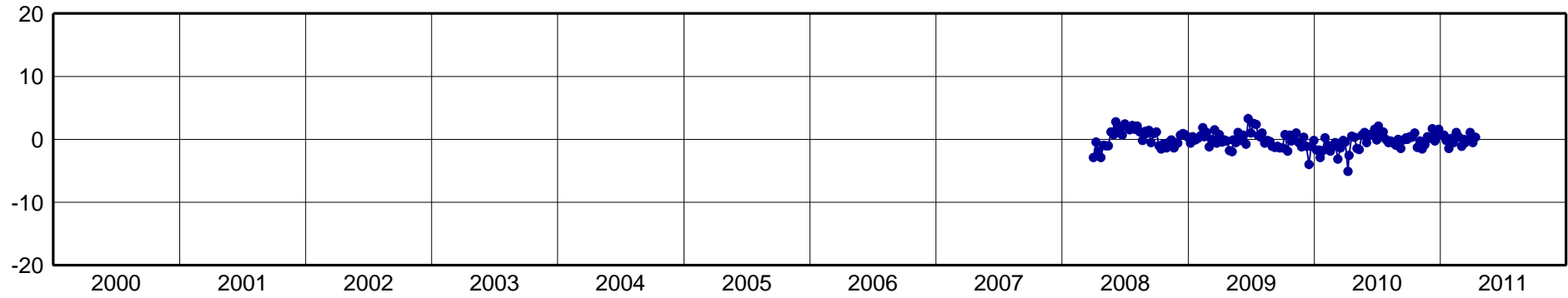


ROGM-Up Component [mm]

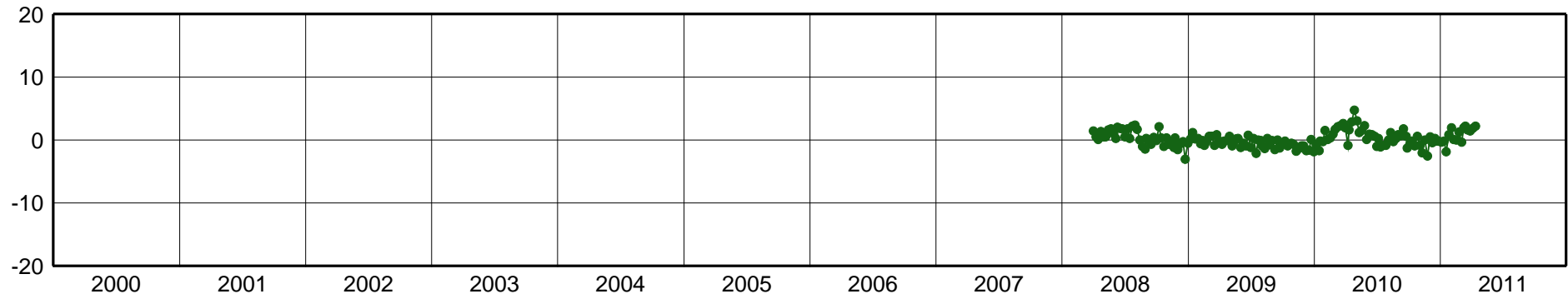


ROJI-North Component [mm]

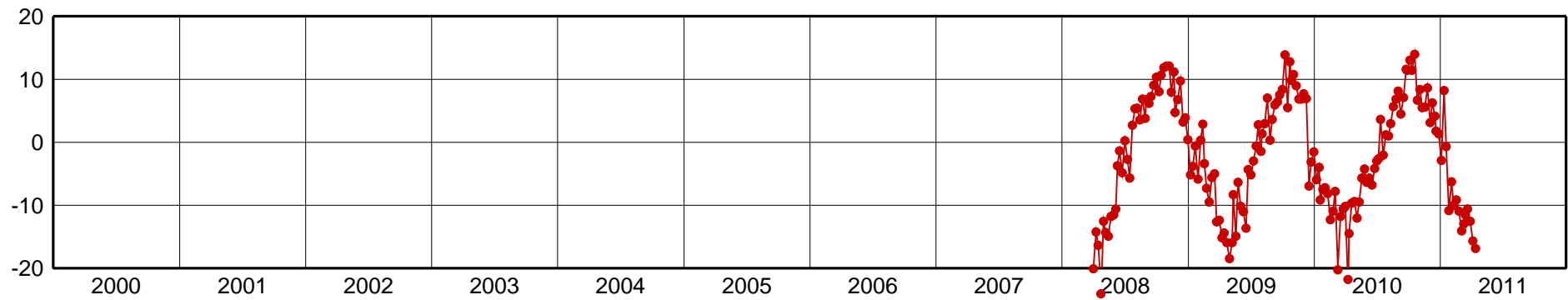
○ SIRGAS Analysis Centre at DGFI



ROJI-East Component [mm]



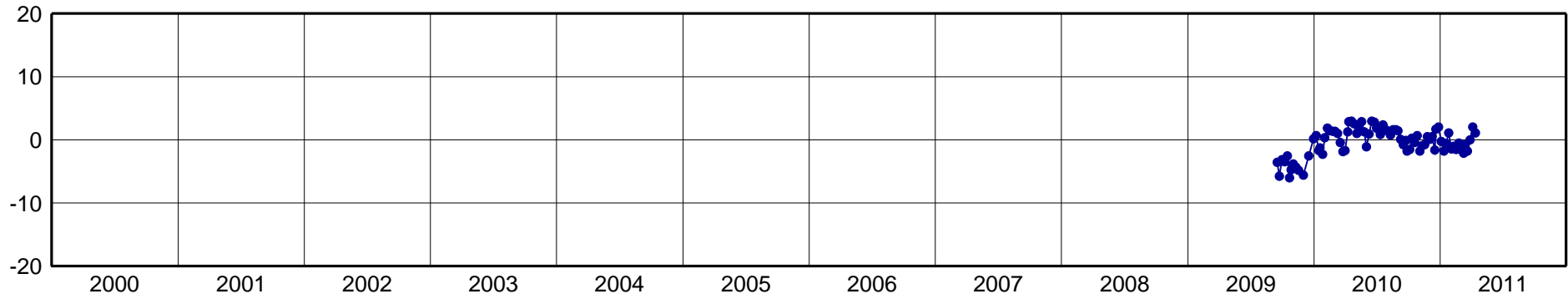
ROJI-Up Component [mm]



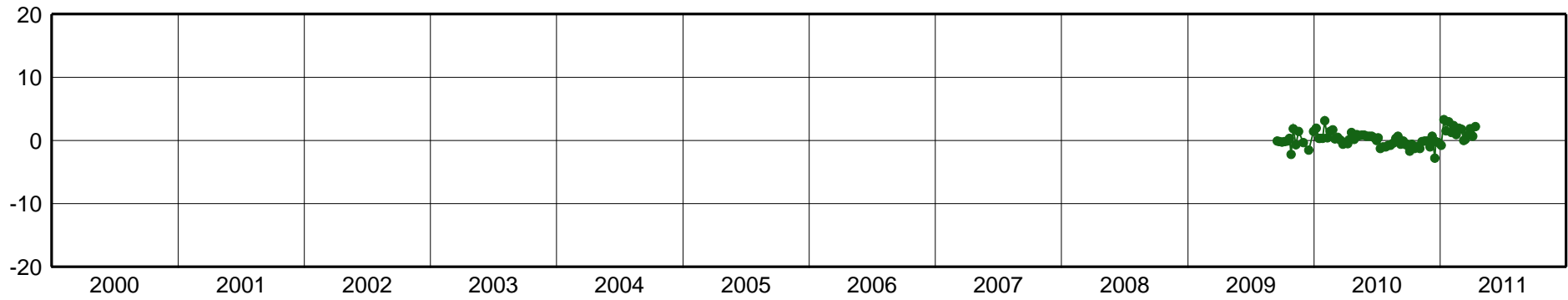


ROSA-North Component [mm]

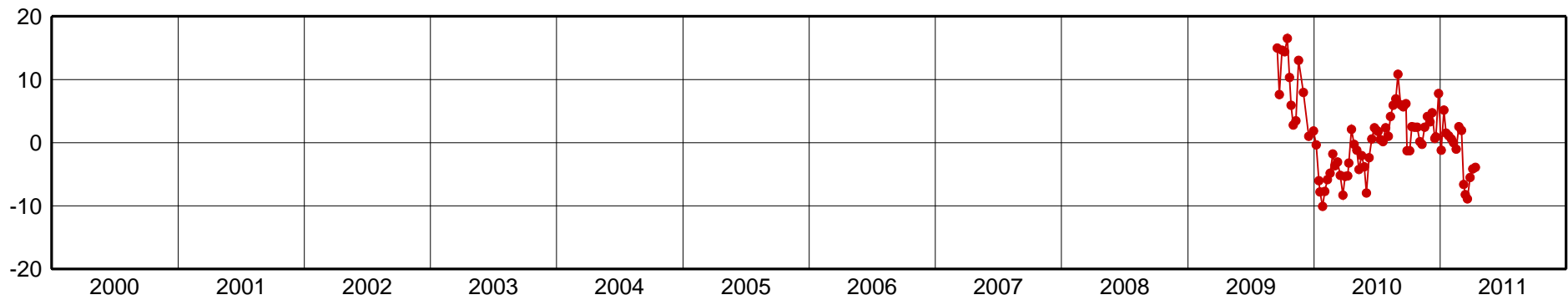
○ SIRGAS Analysis Centre at DGFI



ROSA-East Component [mm]

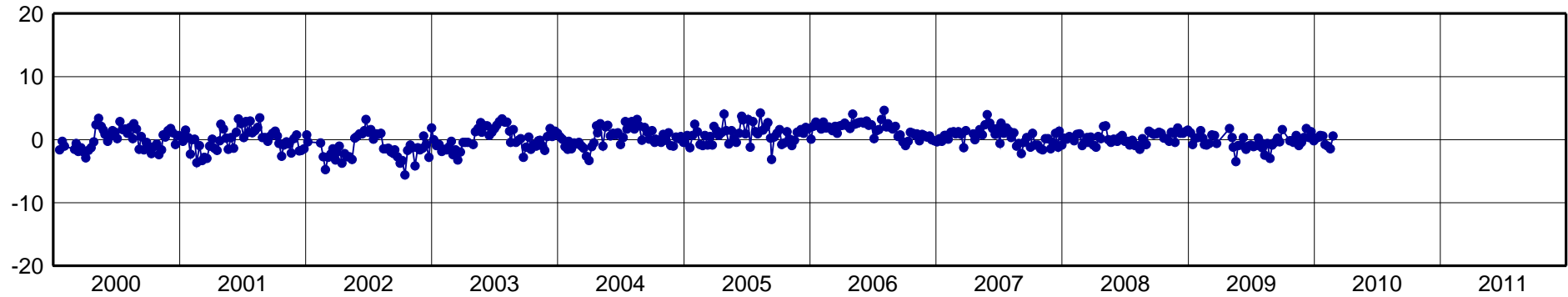


ROSA-Up Component [mm]

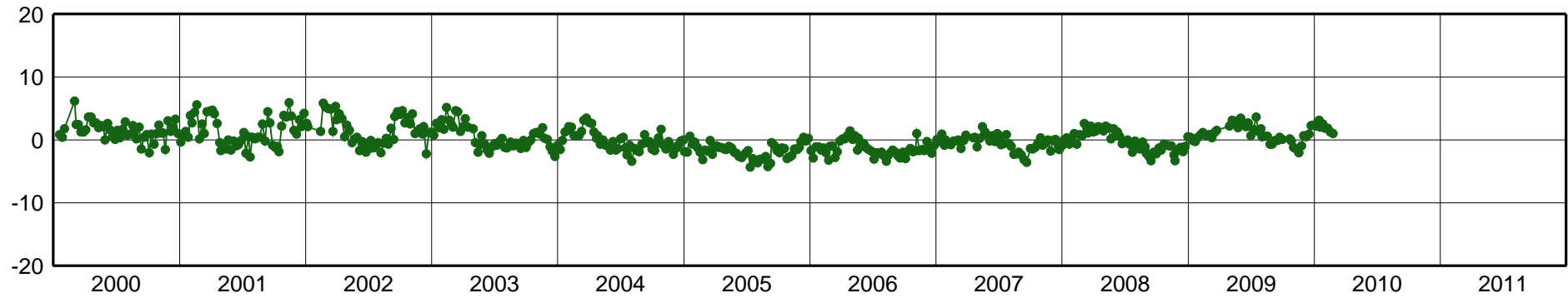


RWSN-North Component [mm]

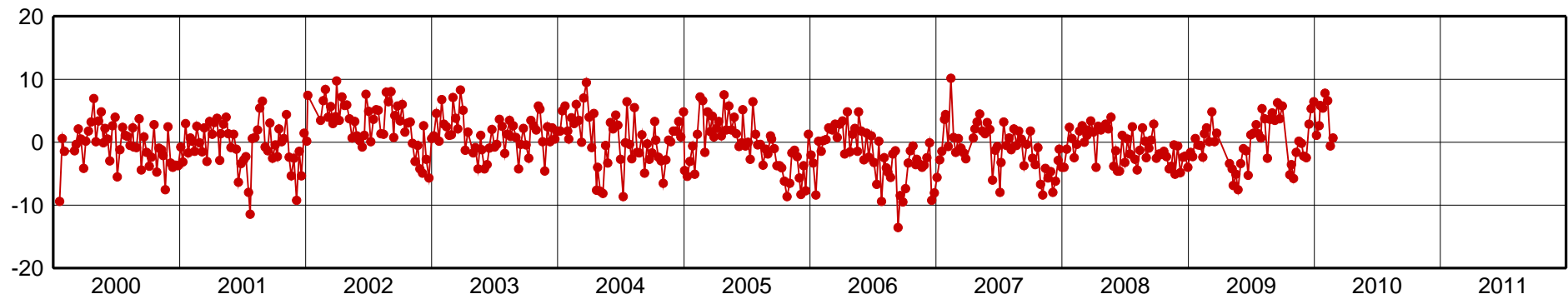
○ SIRGAS Analysis Centre at DGFI



RWSN-East Component [mm]

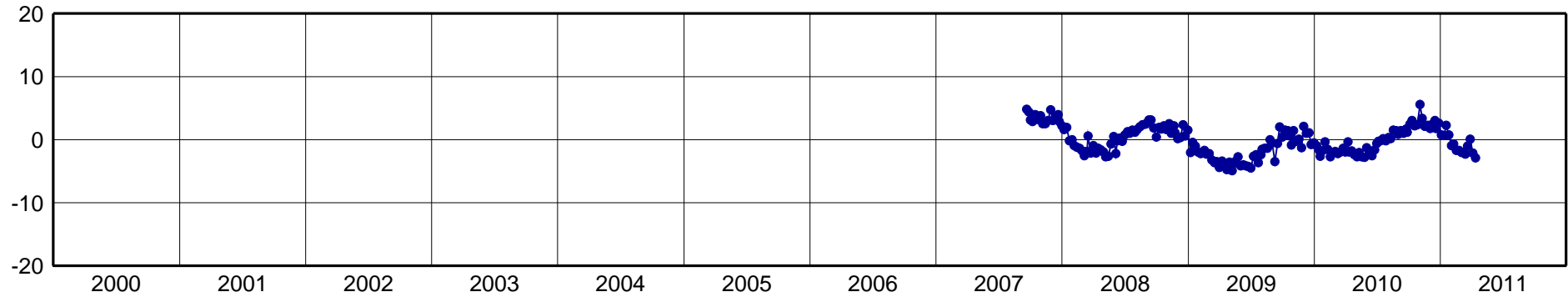


RWSN-Up Component [mm]

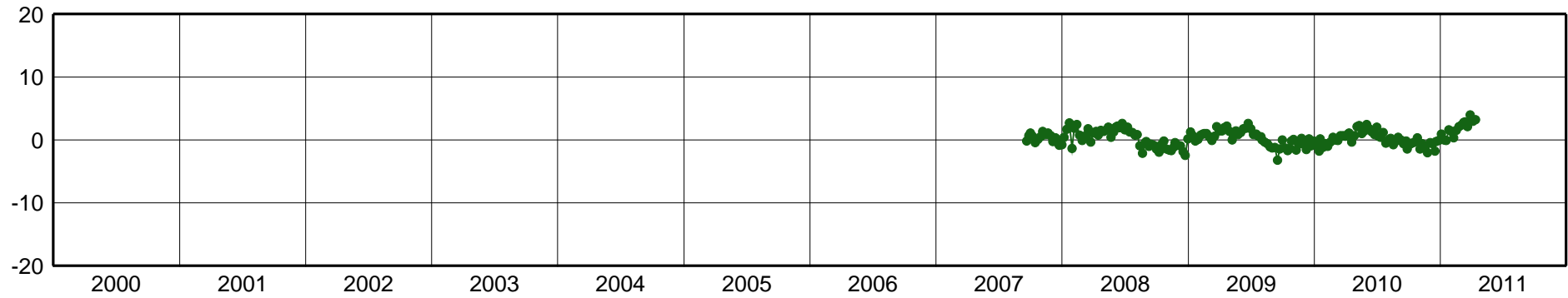


SAGA-North Component [mm]

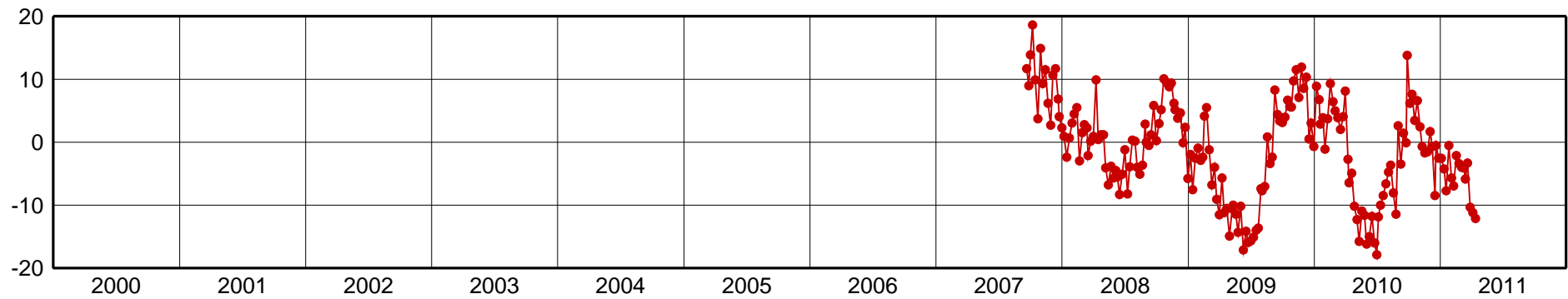
○ SIRGAS Analysis Centre at DGFI



SAGA-East Component [mm]

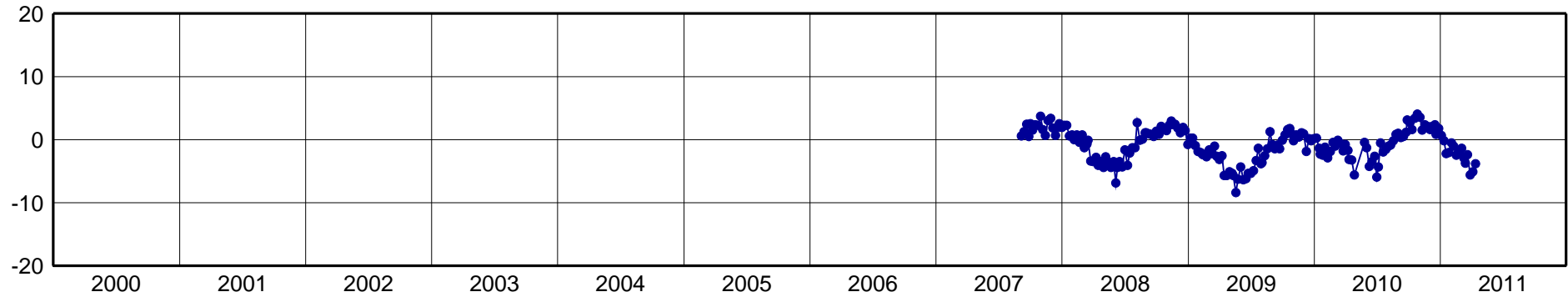


SAGA-Up Component [mm]

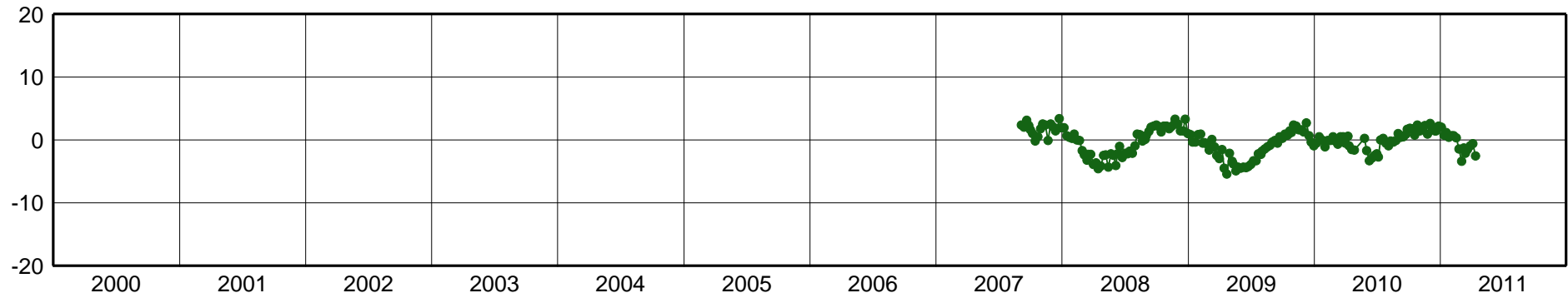


SALU-North Component [mm]

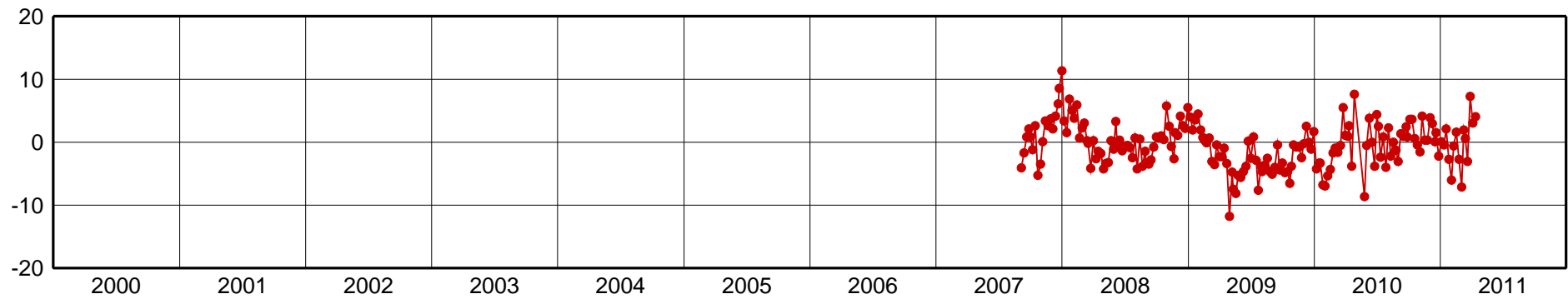
○ SIRGAS Analysis Centre at DGFI



SALU-East Component [mm]

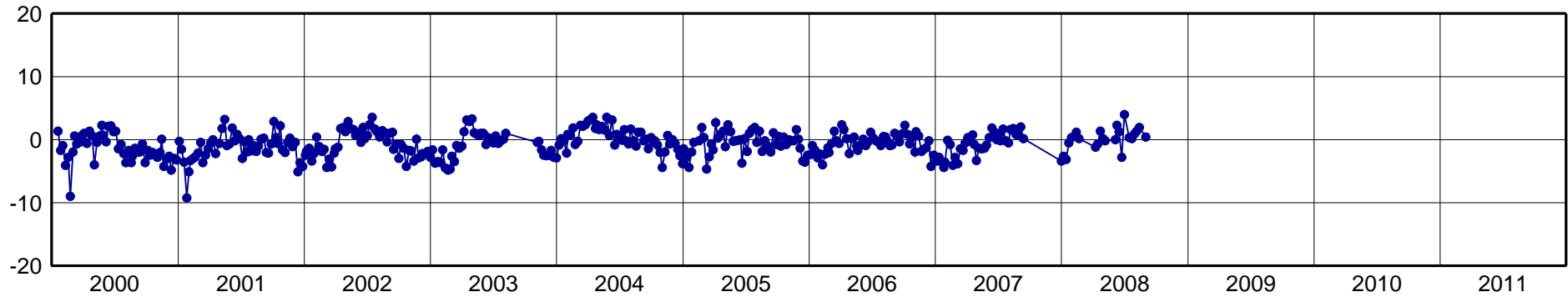


SALU-Up Component [mm]

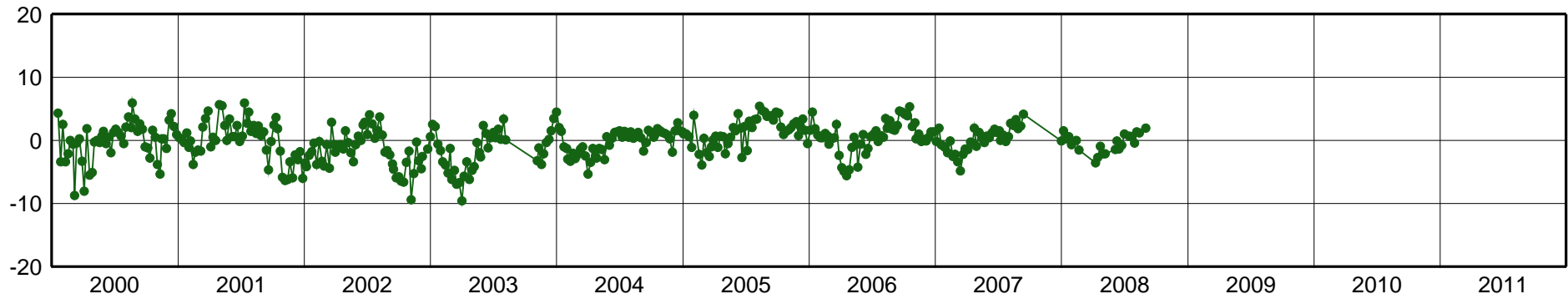


SALV-North Component [mm]

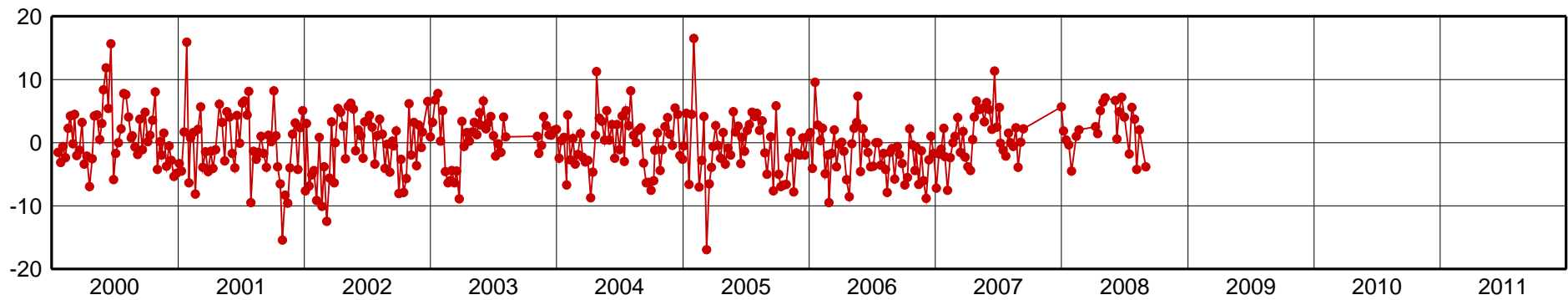
○ SIRGAS Analysis Centre at DGFI



SALV-East Component [mm]

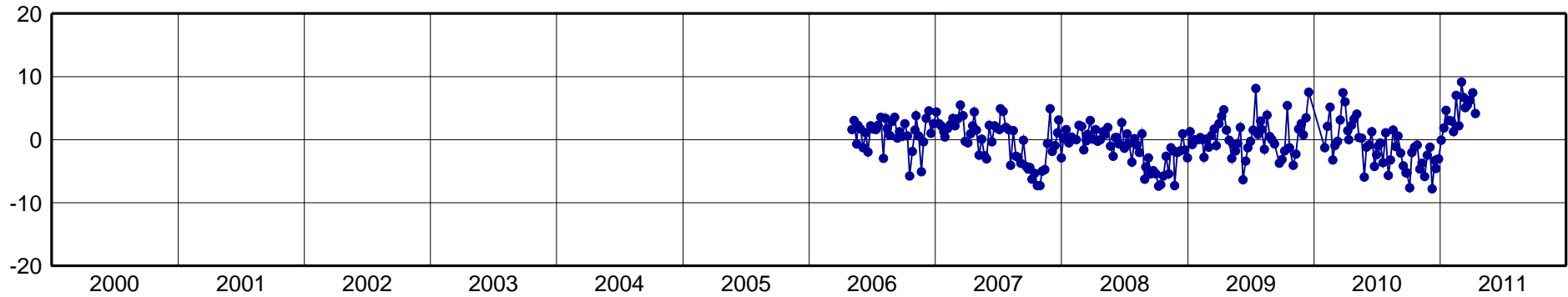


SALV-Up Component [mm]

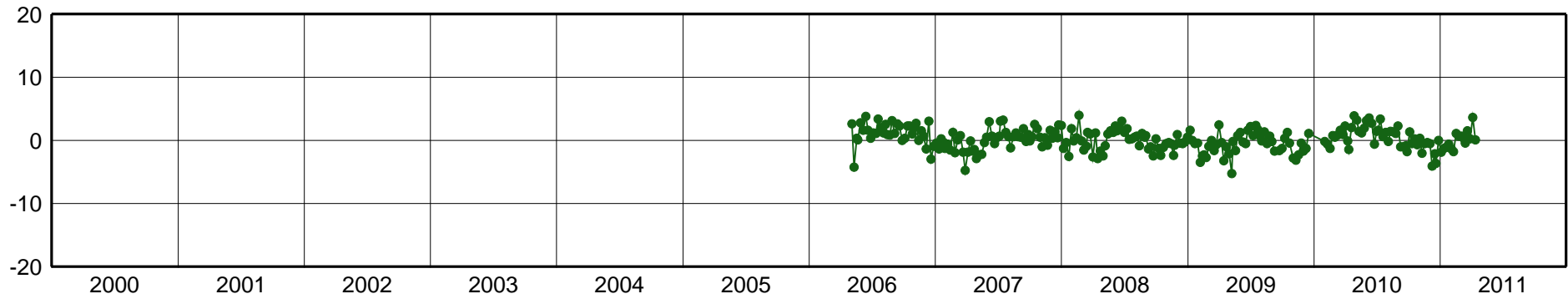


SAMA-North Component [mm]

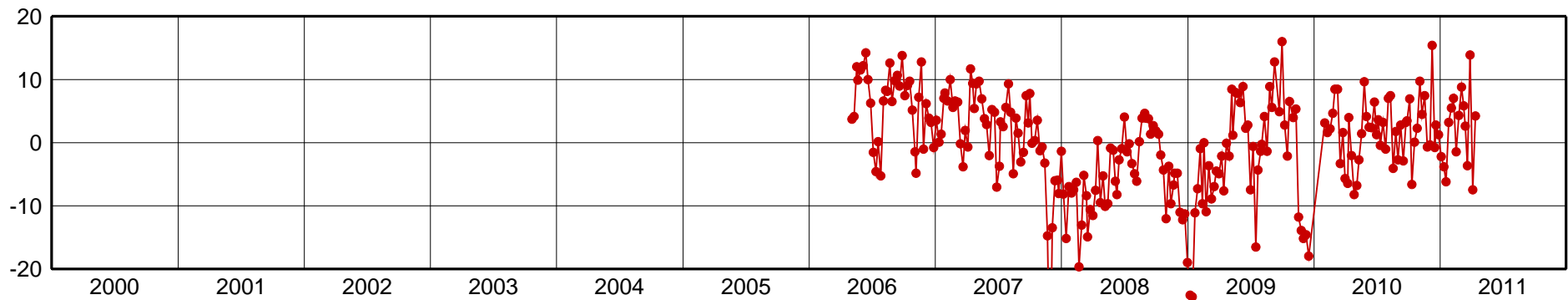
○ SIRGAS Analysis Centre at DGFI



SAMA-East Component [mm]

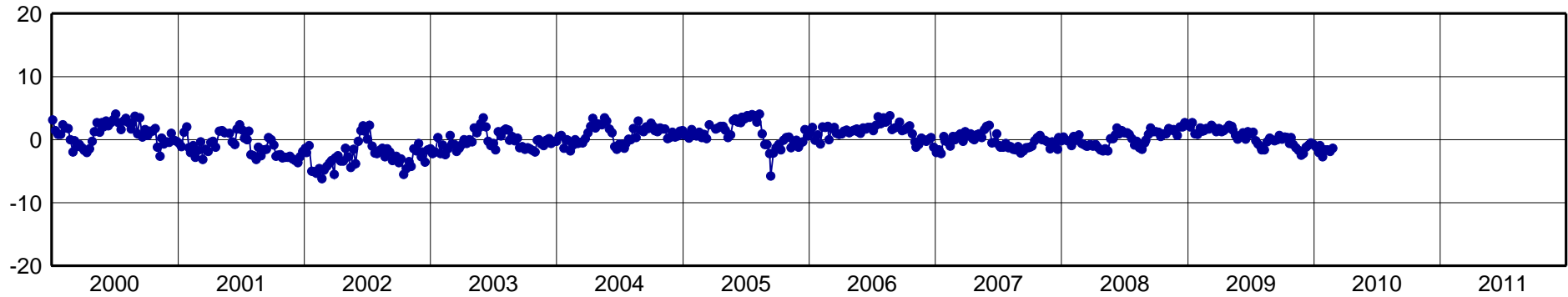


SAMA-Up Component [mm]

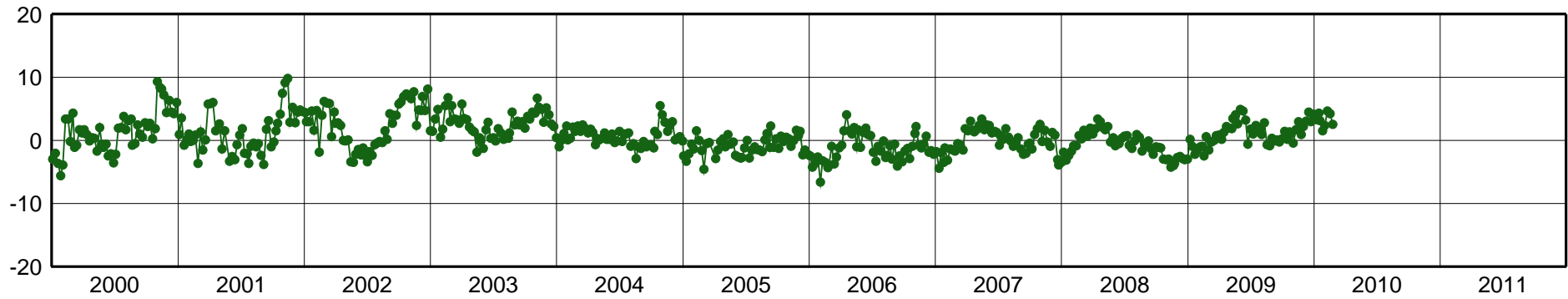


SANT-North Component [mm]

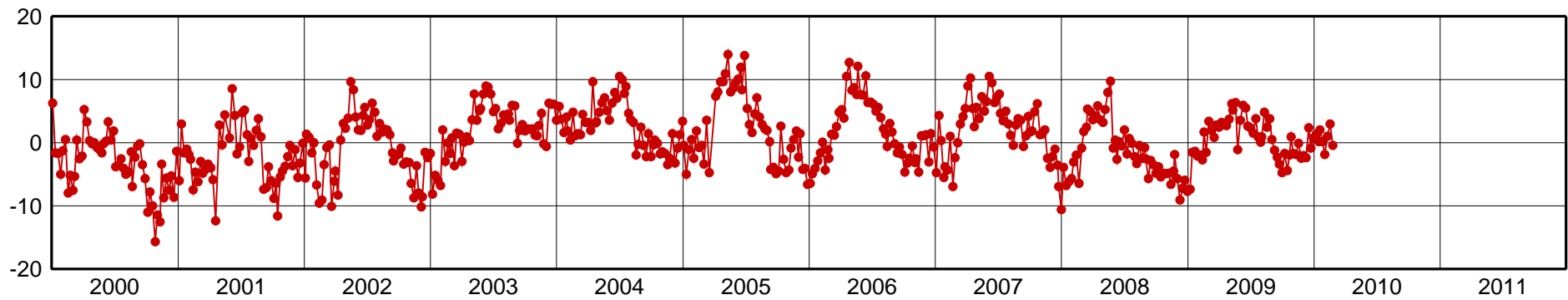
○ SIRGAS Analysis Centre at DGFI



SANT-East Component [mm]

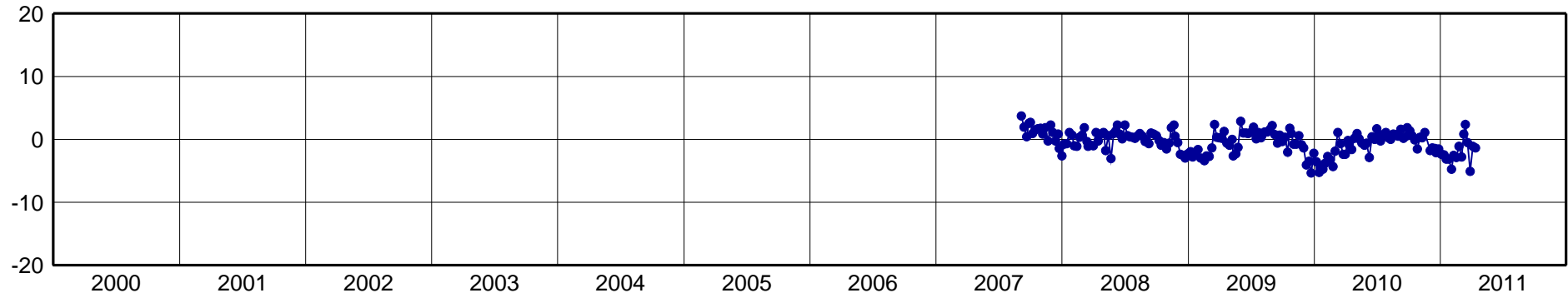


SANT-Up Component [mm]

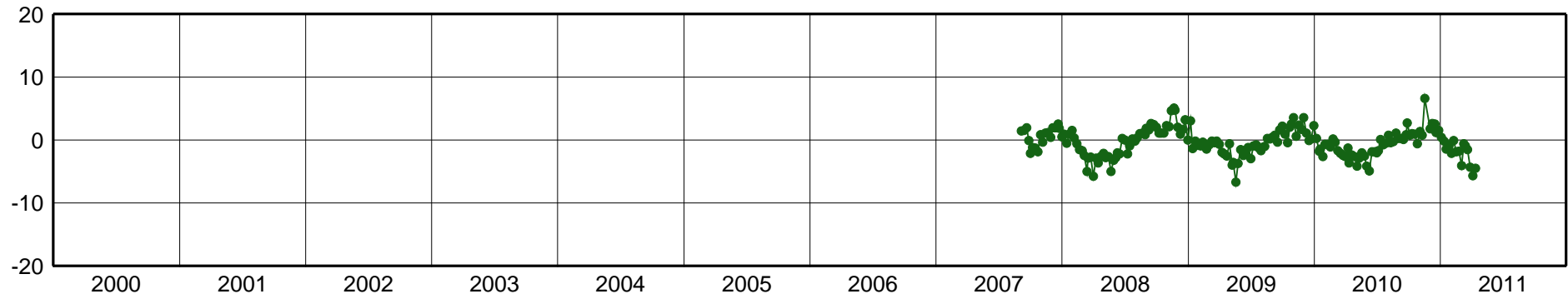


SAVO-North Component [mm]

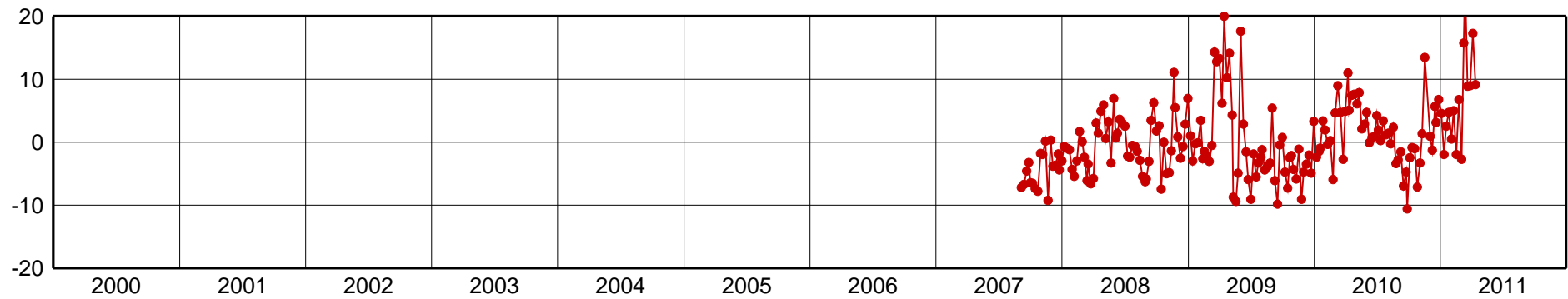
○ SIRGAS Analysis Centre at DGFI



SAVO-East Component [mm]



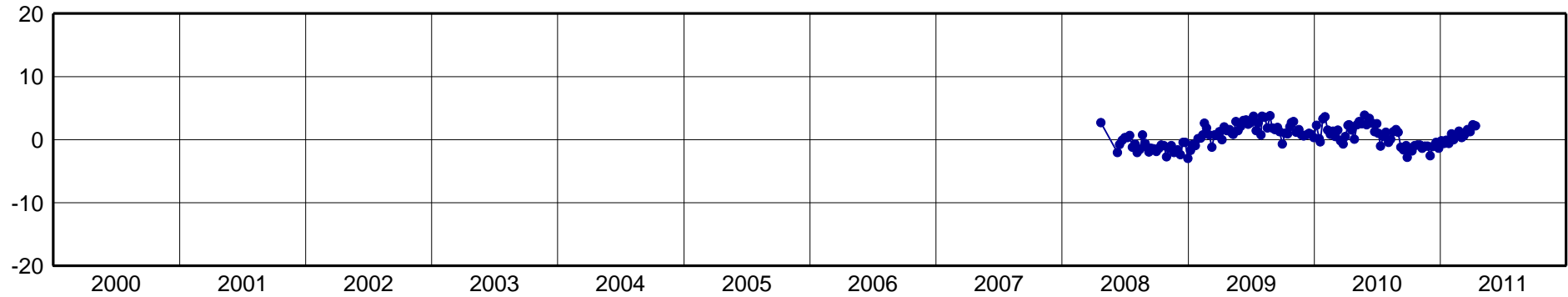
SAVO-Up Component [mm]



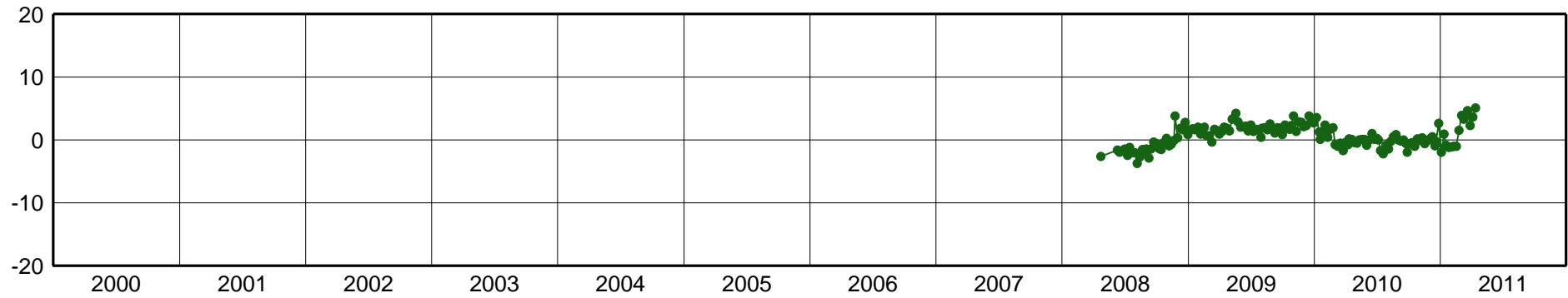


SCCH-North Component [mm]

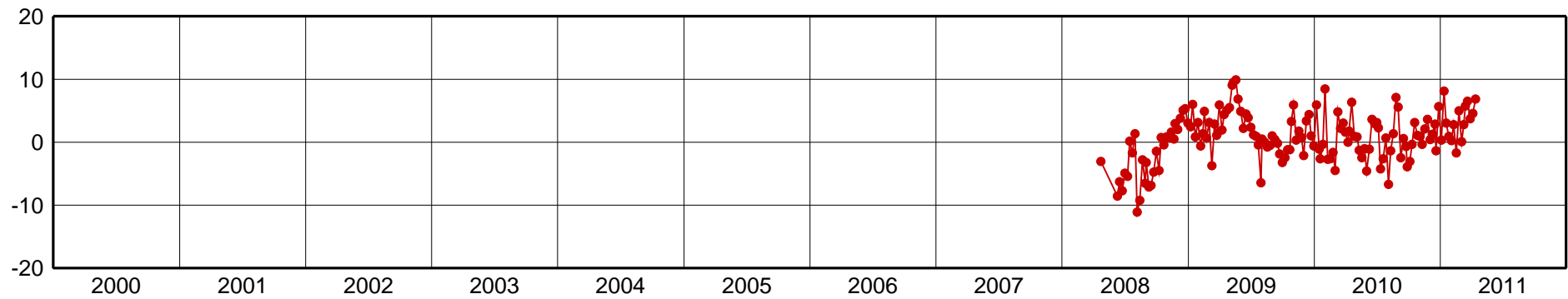
○ SIRGAS Analysis Centre at DGFI



SCCH-East Component [mm]

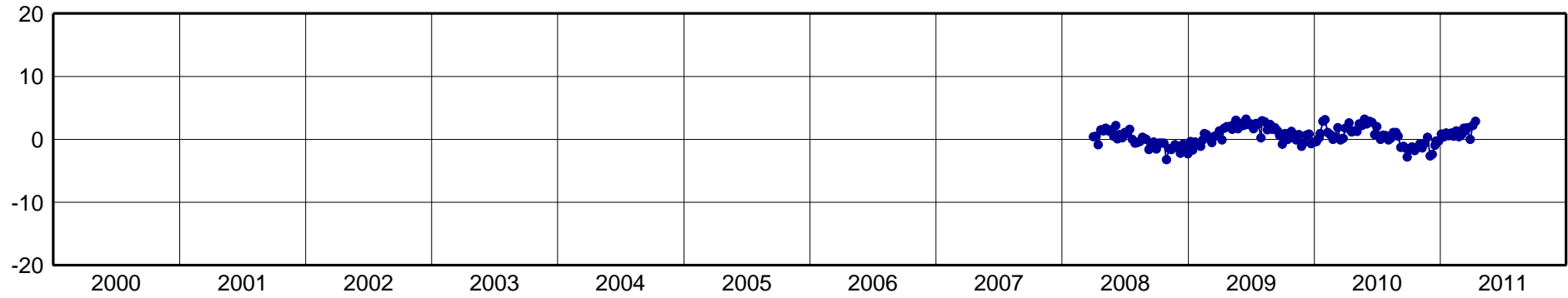


SCCH-Up Component [mm]

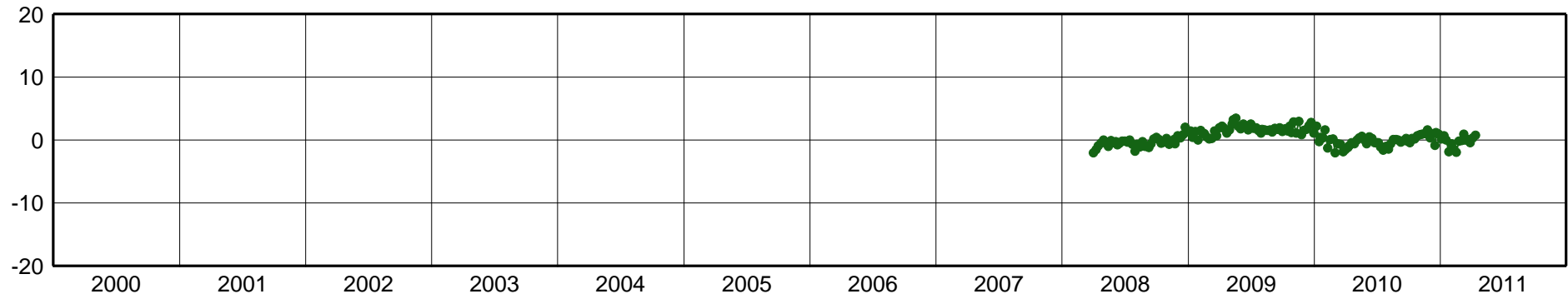


SCLA-North Component [mm]

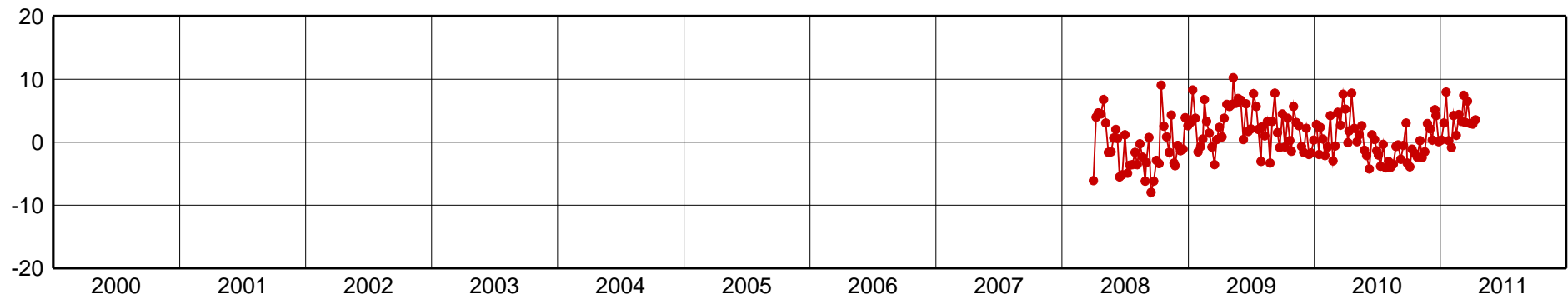
○ SIRGAS Analysis Centre at DGFI



SCLA-East Component [mm]

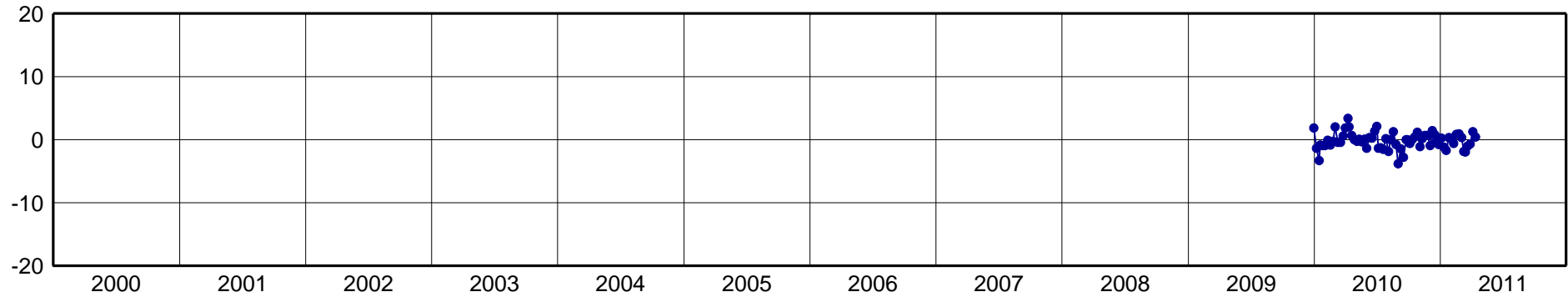


SCLA-Up Component [mm]

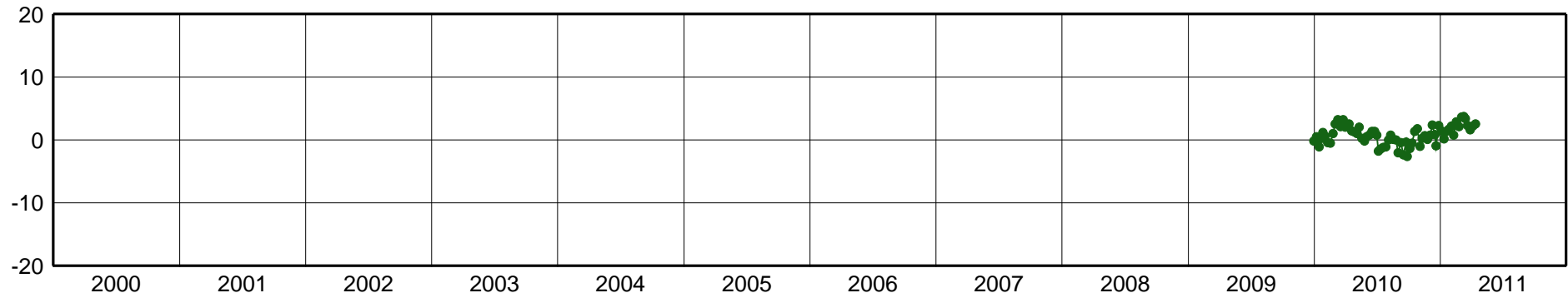


SCRZ-North Component [mm]

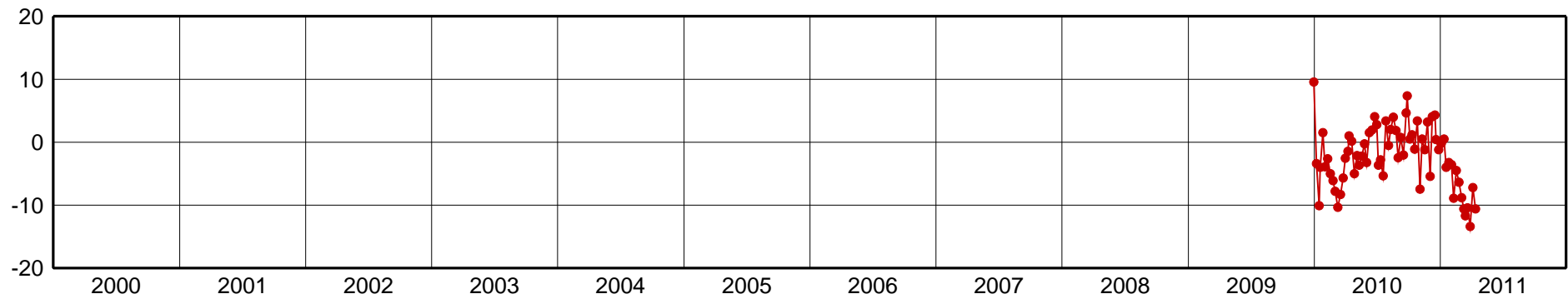
○ SIRGAS Analysis Centre at DGFI



SCRZ-East Component [mm]

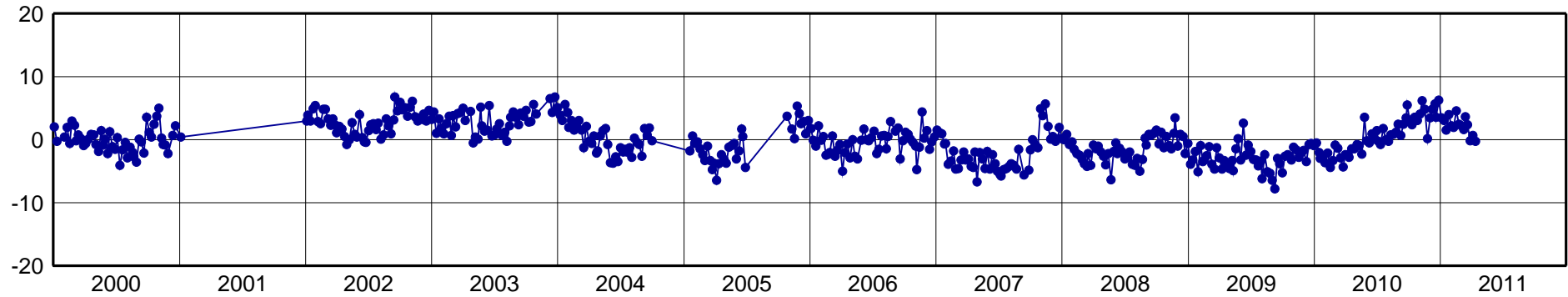


SCRZ-Up Component [mm]

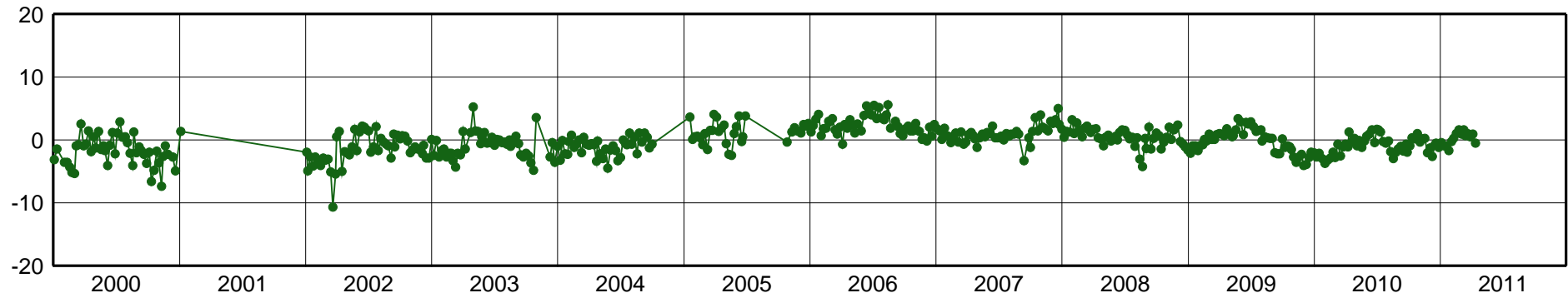


SCUB-North Component [mm]

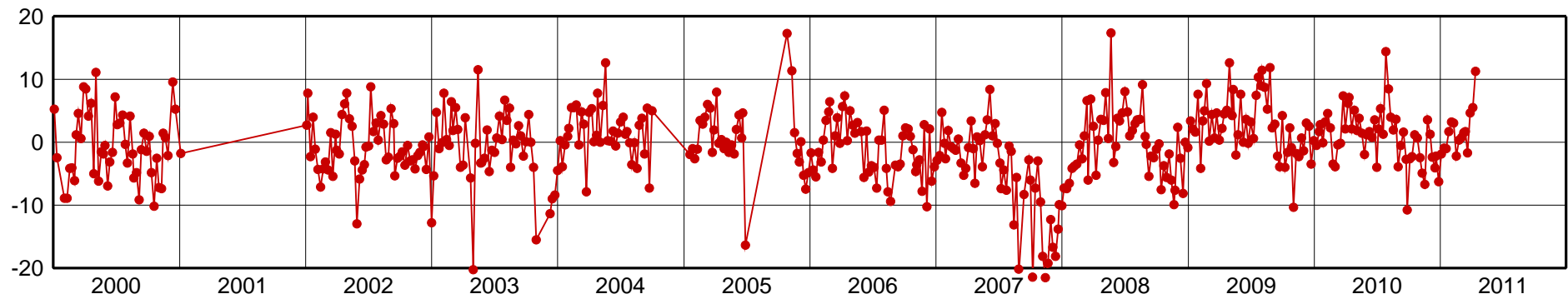
○ SIRGAS Analysis Centre at DGFI



SCUB-East Component [mm]

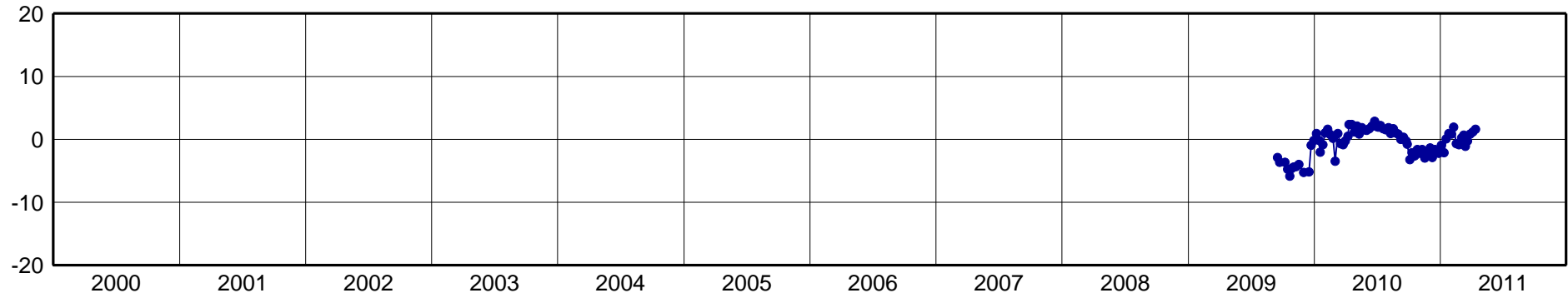


SCUB-Up Component [mm]

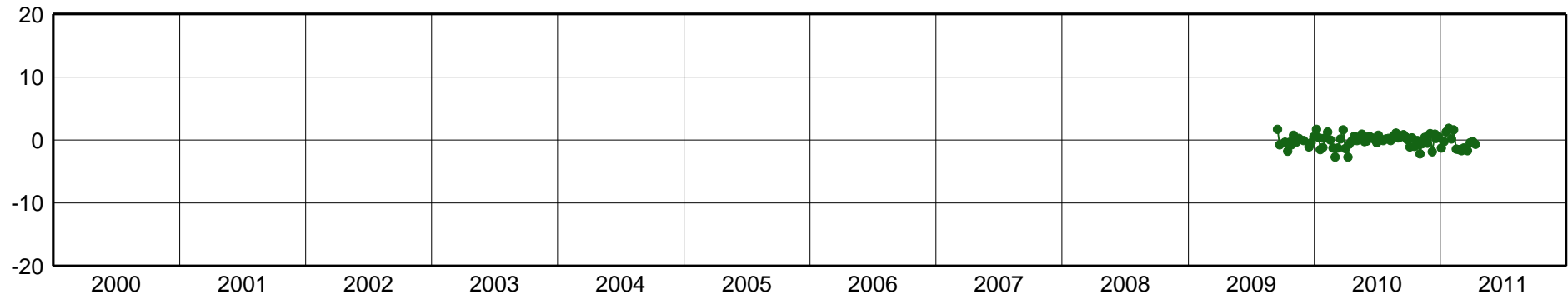


SJRP-North Component [mm]

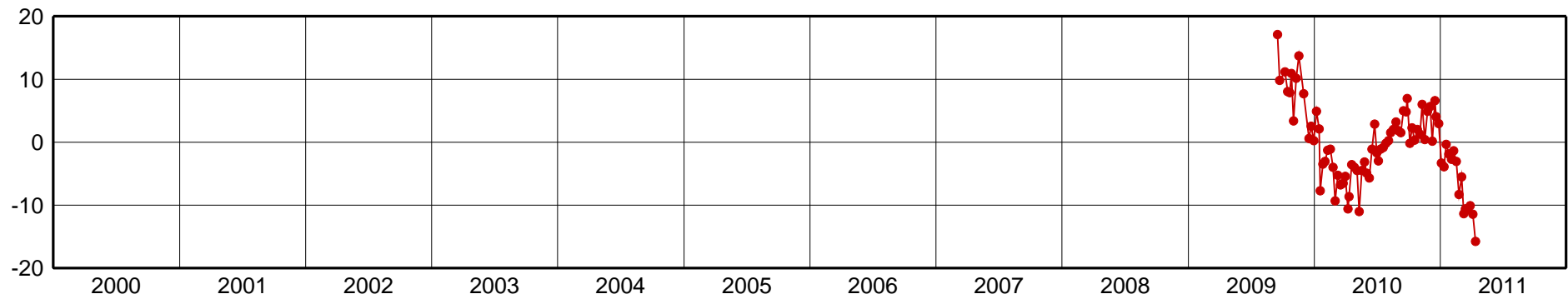
○ SIRGAS Analysis Centre at DGFI



SJRP-East Component [mm]

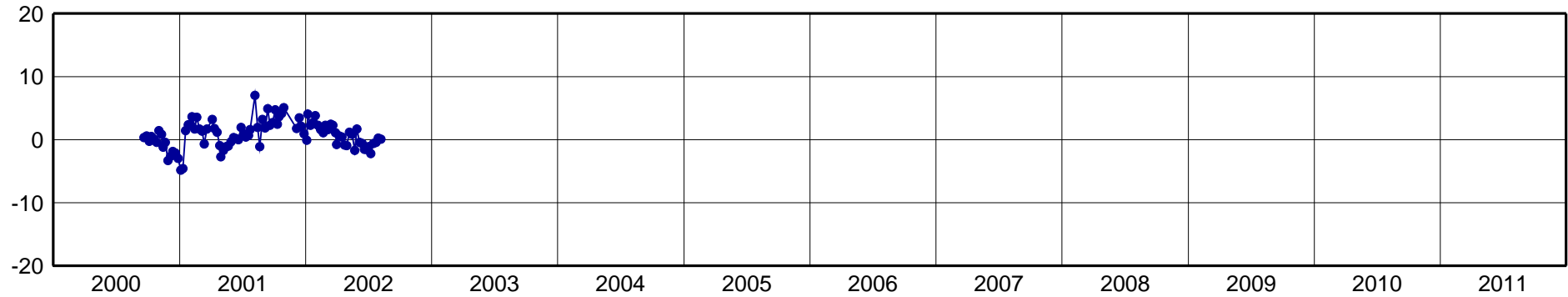


SJRP-Up Component [mm]

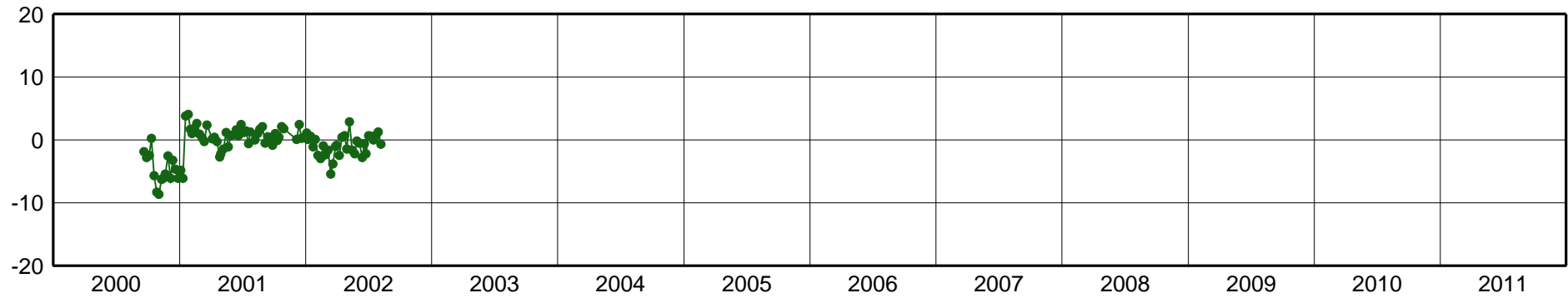


SLOR-North Component [mm]

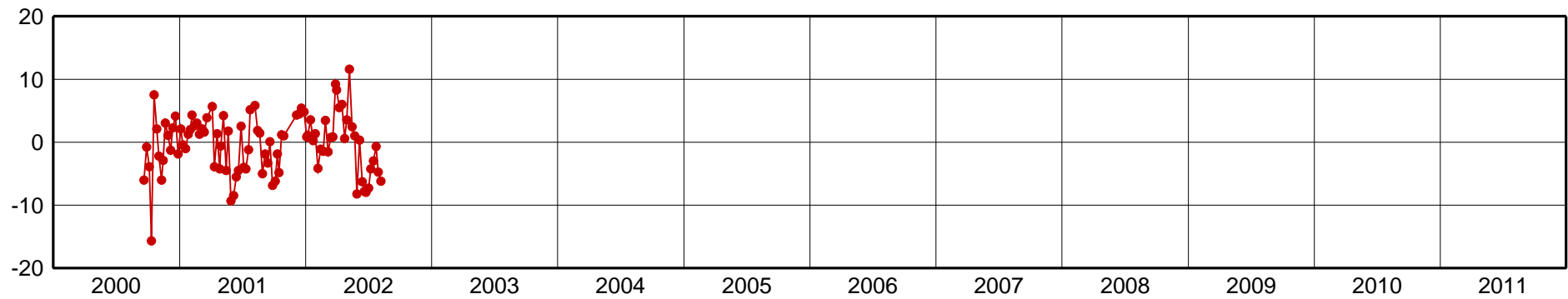
○ SIRGAS Analysis Centre at DGFI



SLOR-East Component [mm]

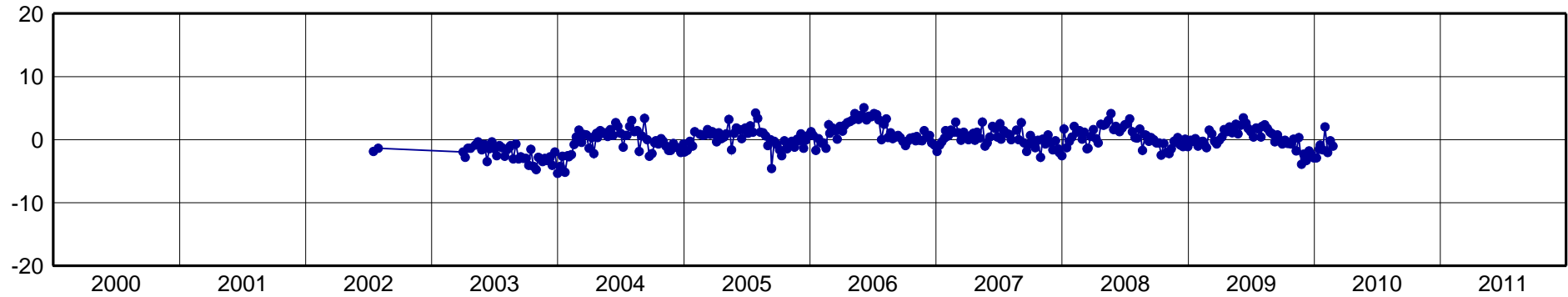


SLOR-Up Component [mm]

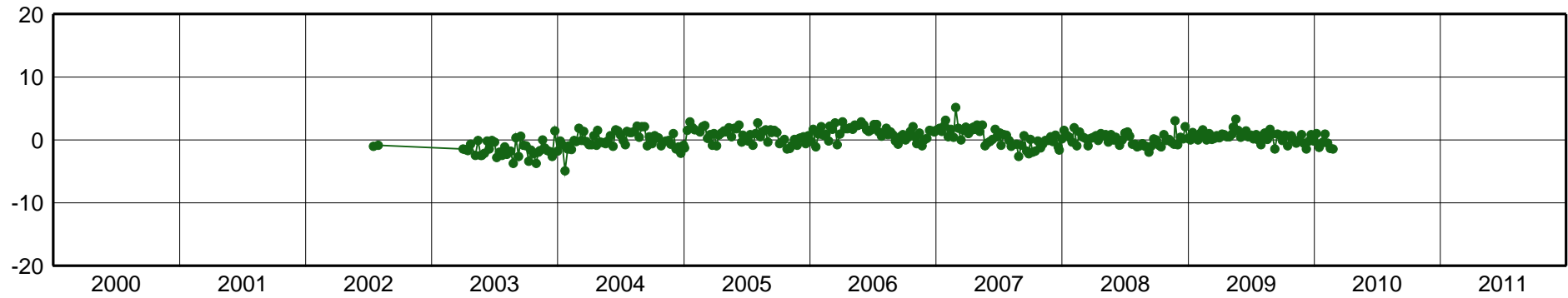


SMAR-North Component [mm]

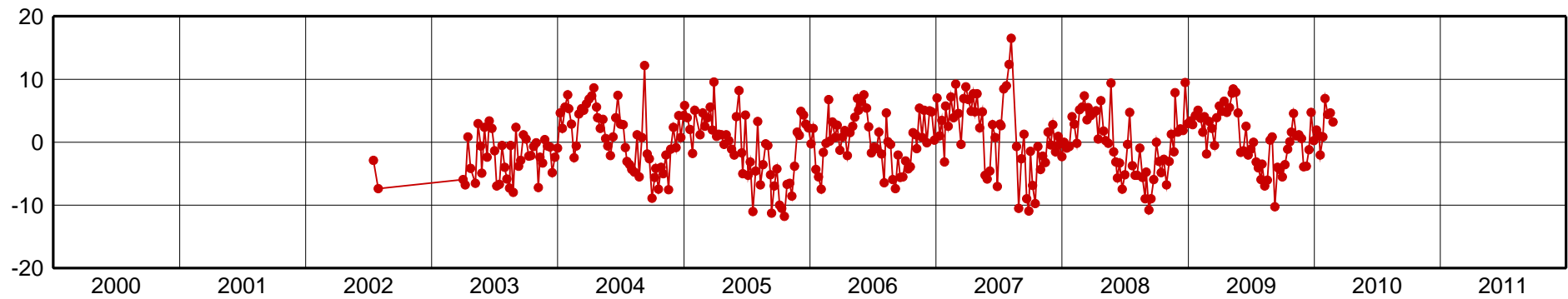
○ SIRGAS Analysis Centre at DGFI



SMAR-East Component [mm]

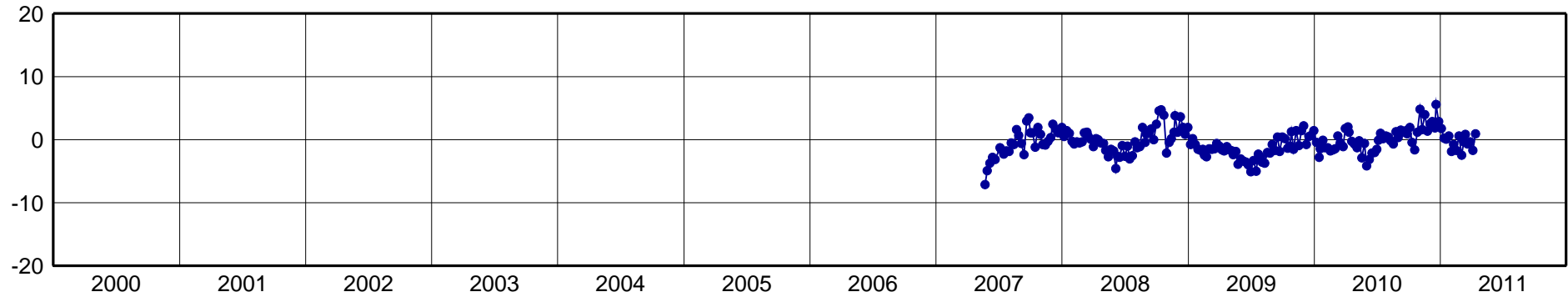


SMAR-Up Component [mm]

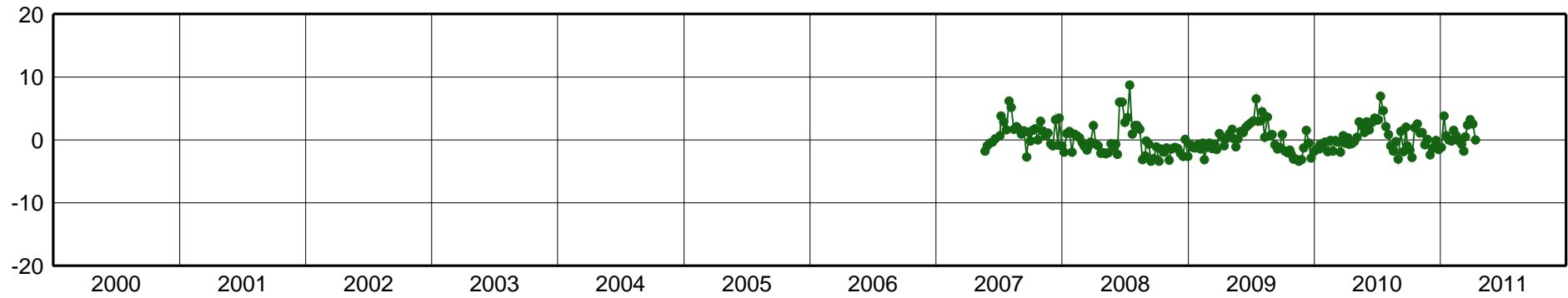


SMRT-North Component [mm]

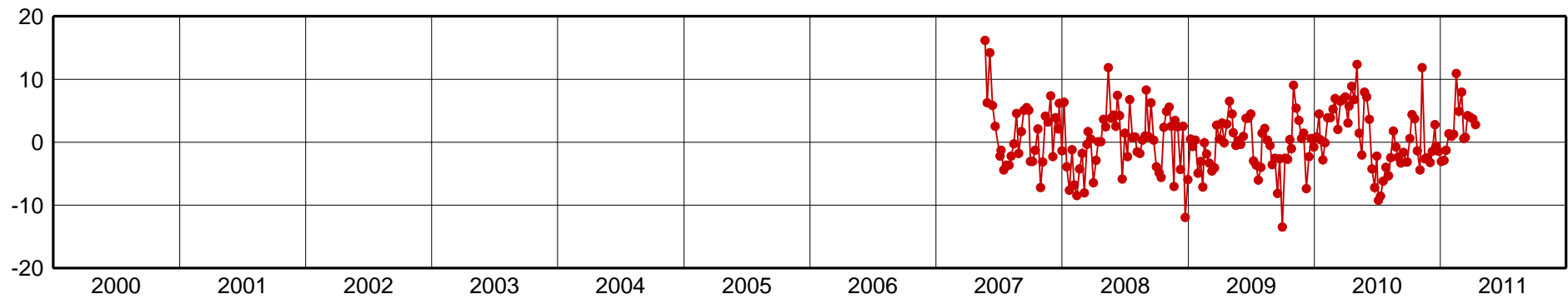
○ SIRGAS Analysis Centre at DGFI



SMRT-East Component [mm]



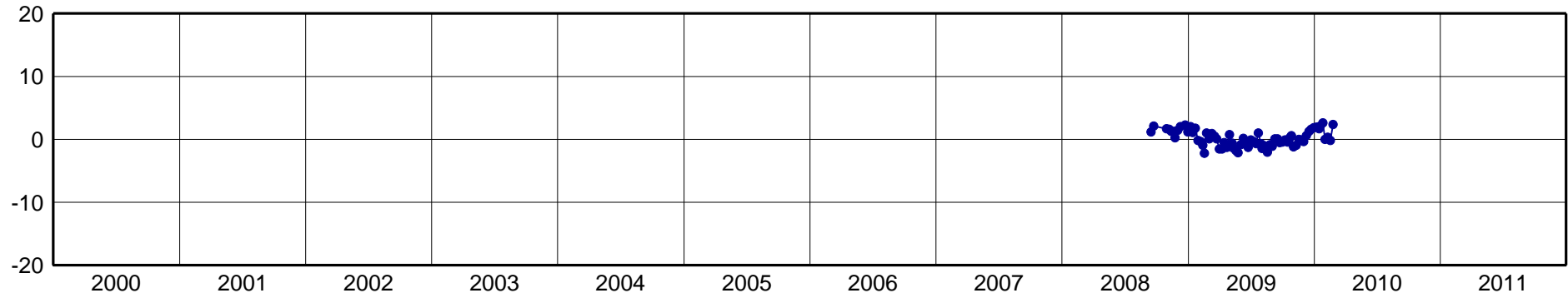
SMRT-Up Component [mm]



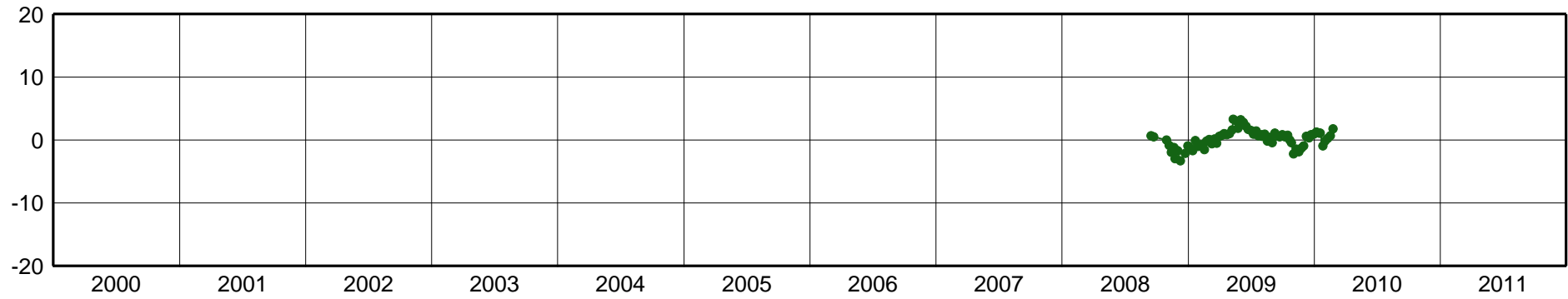


SRLP-North Component [mm]

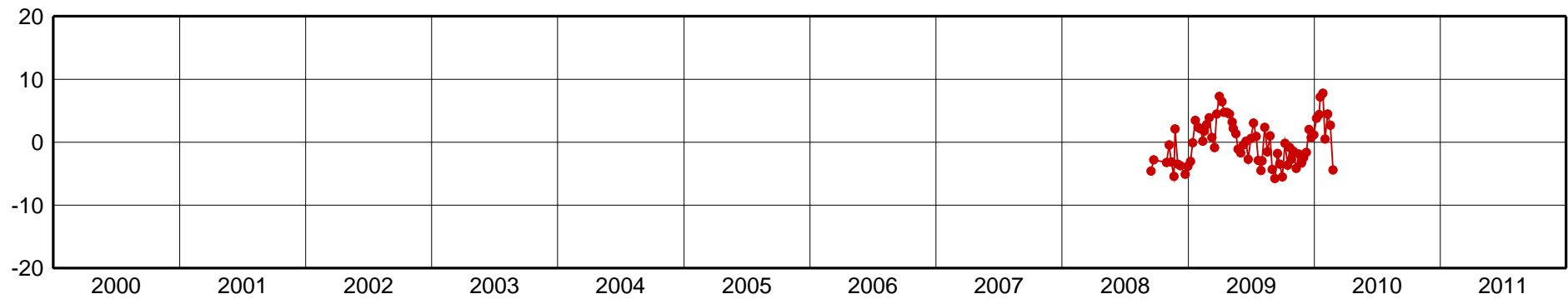
○ SIRGAS Analysis Centre at DGFI



SRLP-East Component [mm]

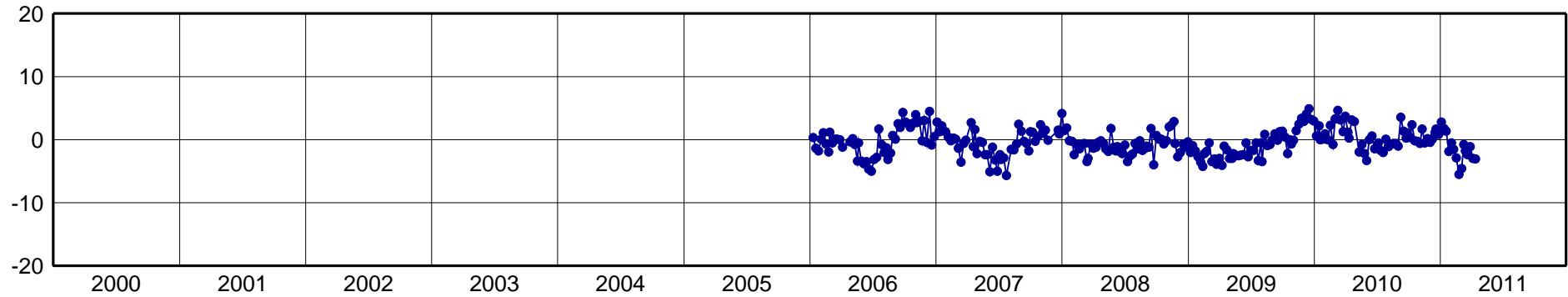


SRLP-Up Component [mm]

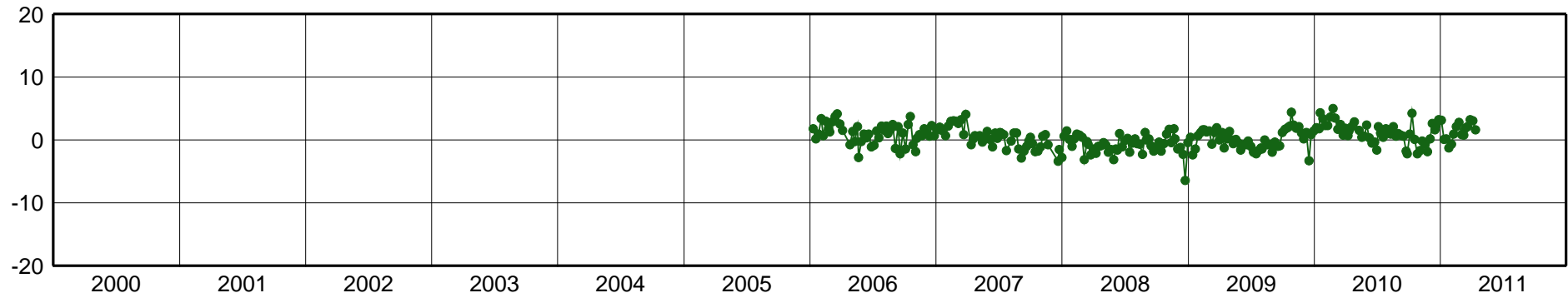


SRNW-North Component [mm]

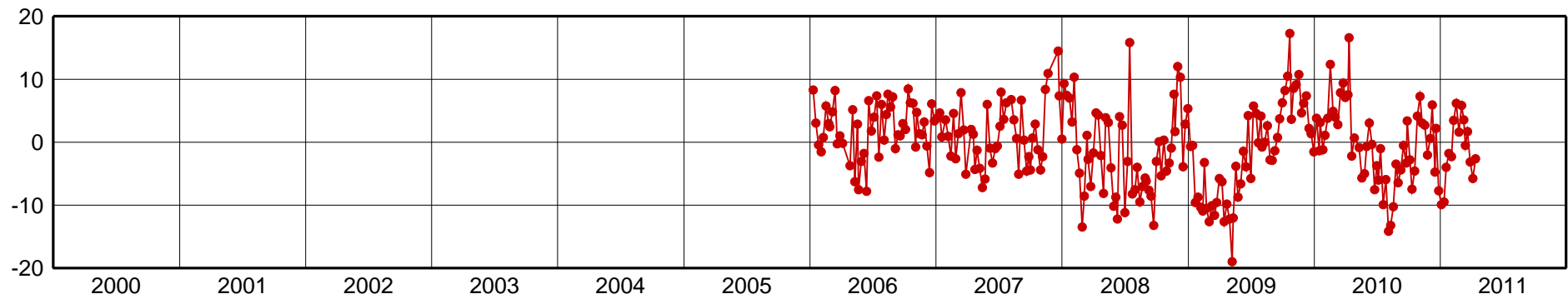
○ SIRGAS Analysis Centre at DGFI



SRNW-East Component [mm]

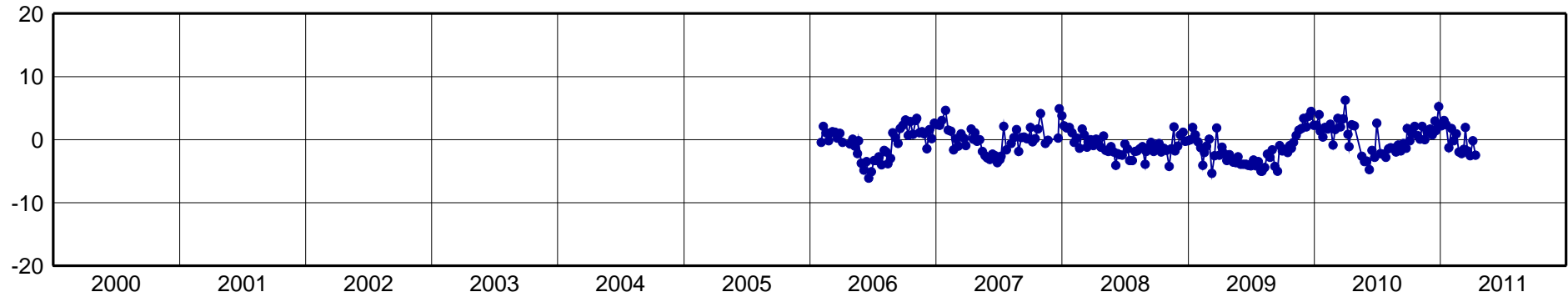


SRNW-Up Component [mm]

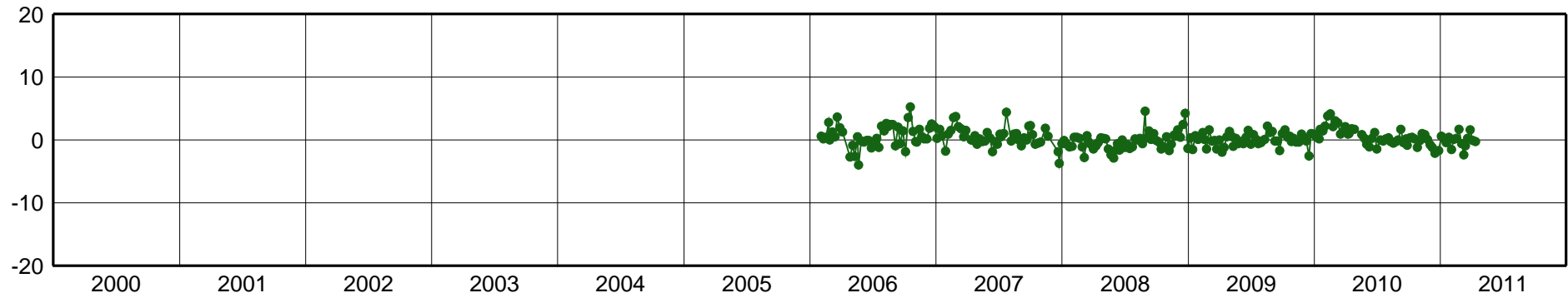


SRZN-North Component [mm]

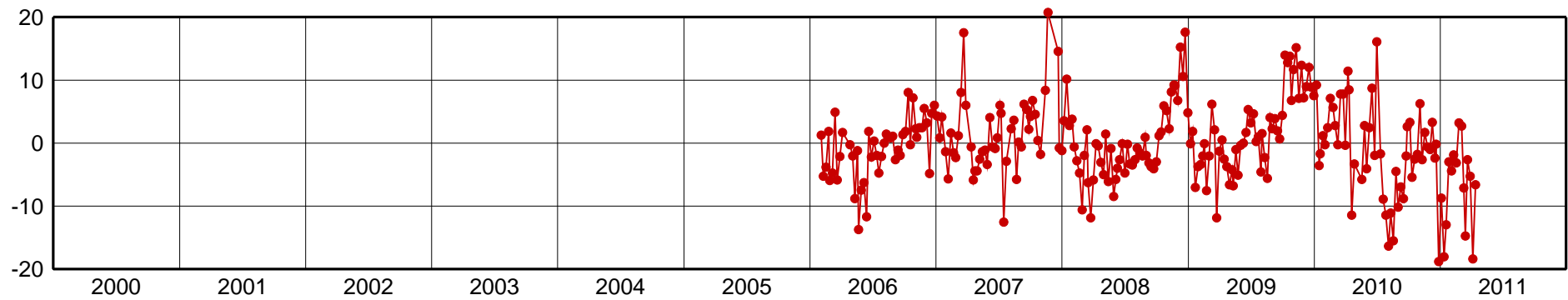
○ SIRGAS Analysis Centre at DGFI



SRZN-East Component [mm]

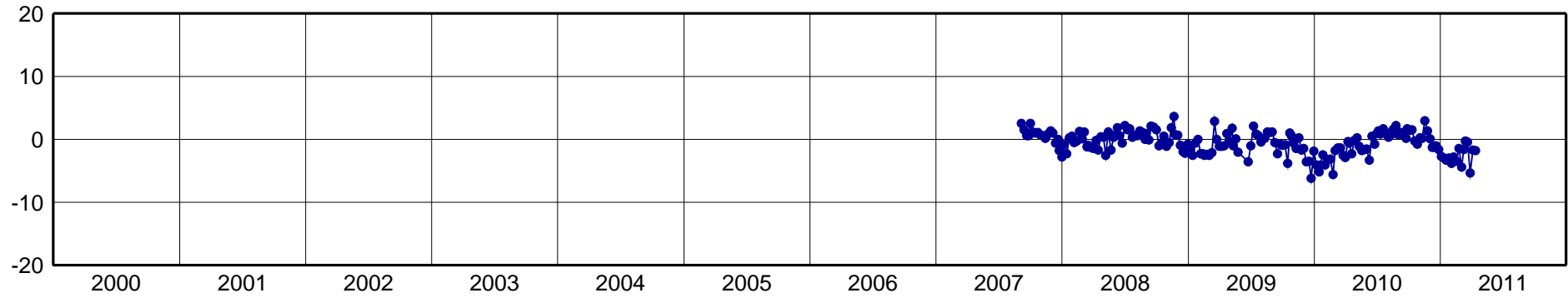


SRZN-Up Component [mm]

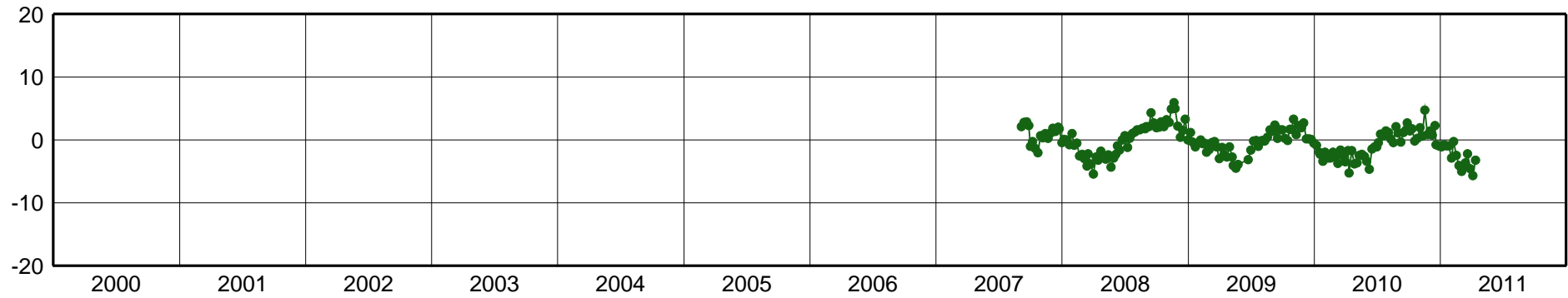


SSA1-North Component [mm]

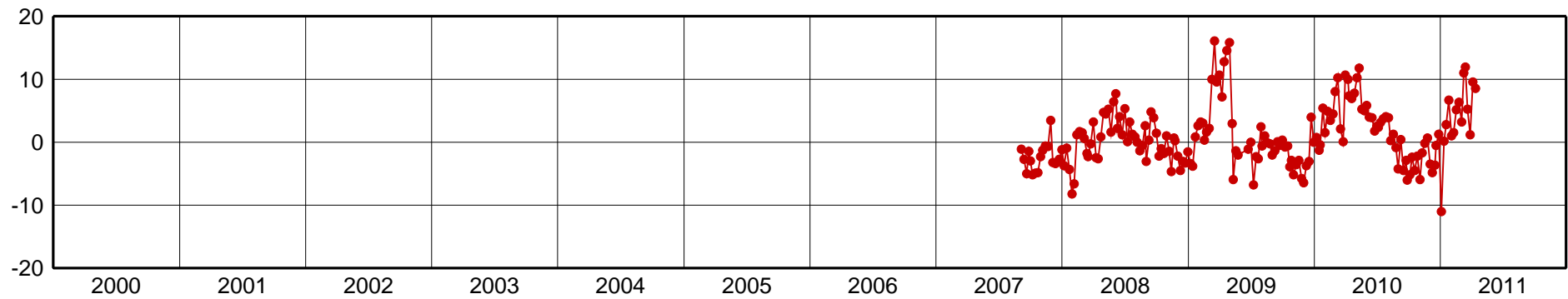
○ SIRGAS Analysis Centre at DGFI



SSA1-East Component [mm]

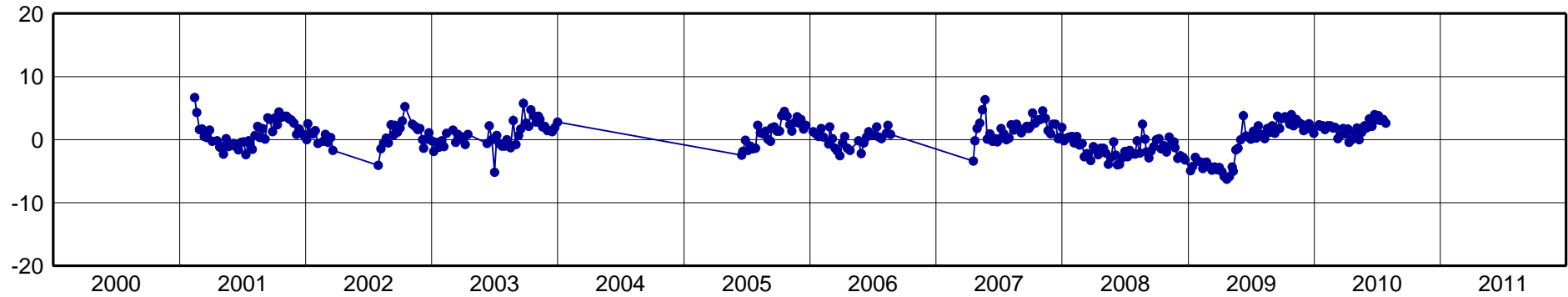


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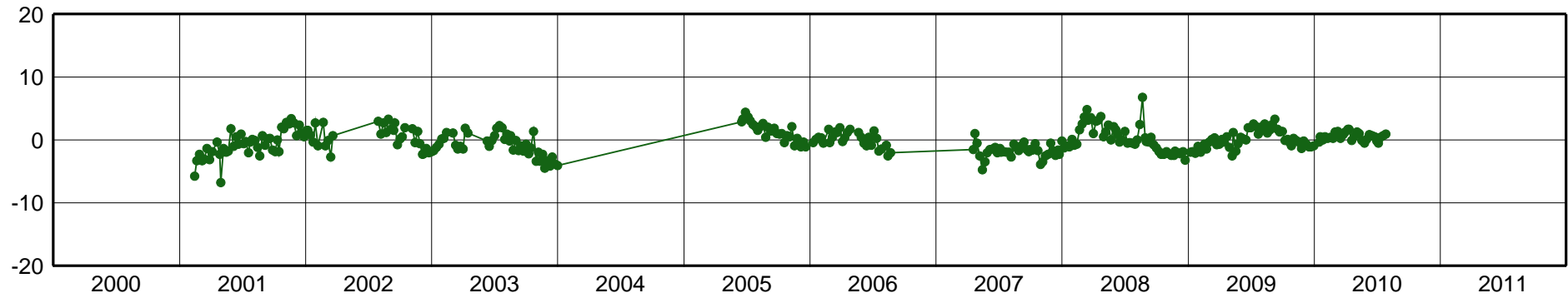


SSIA-North Component [mm]

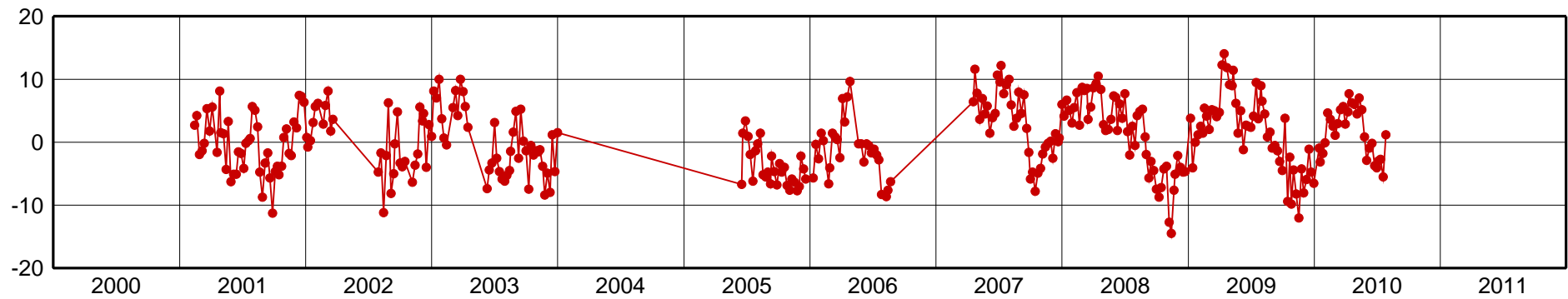
○ SIRGAS Analysis Centre at DGFI



SSIA-East Component [mm]

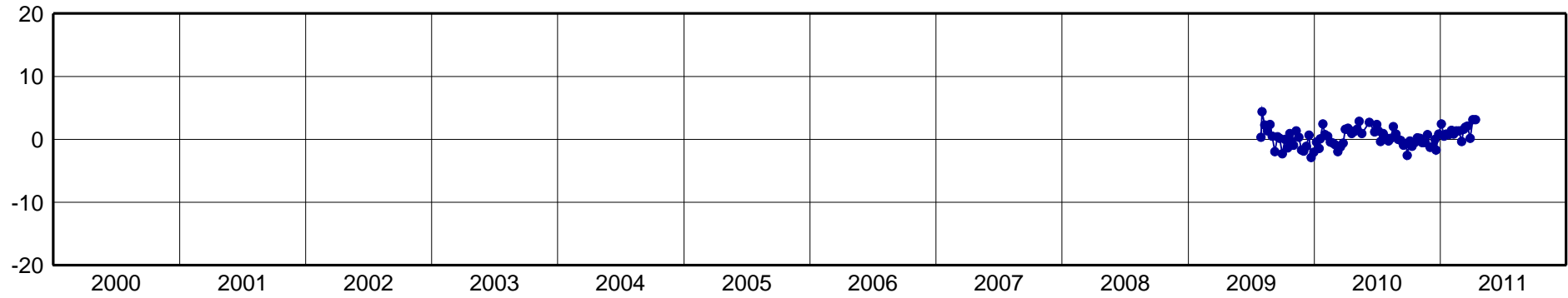


SSIA-Up Component [mm]

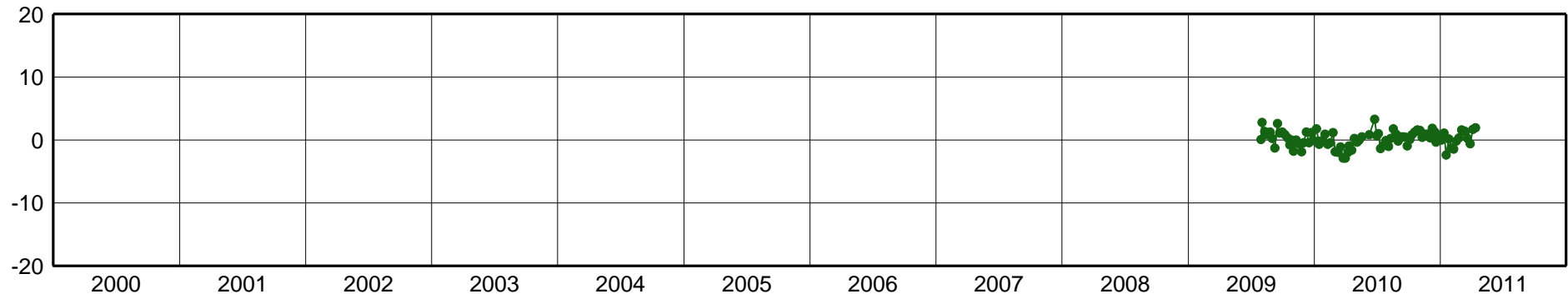


SVIC-North Component [mm]

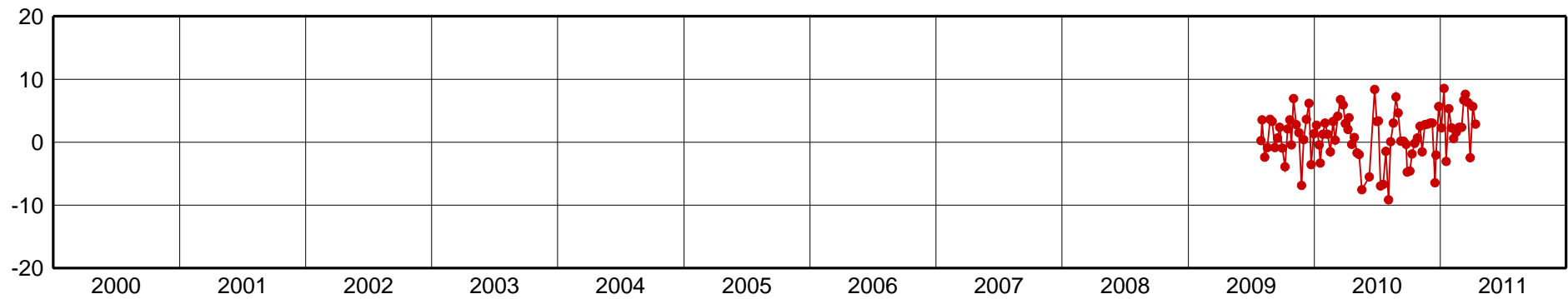
○ SIRGAS Analysis Centre at DGFI



SVIC-East Component [mm]

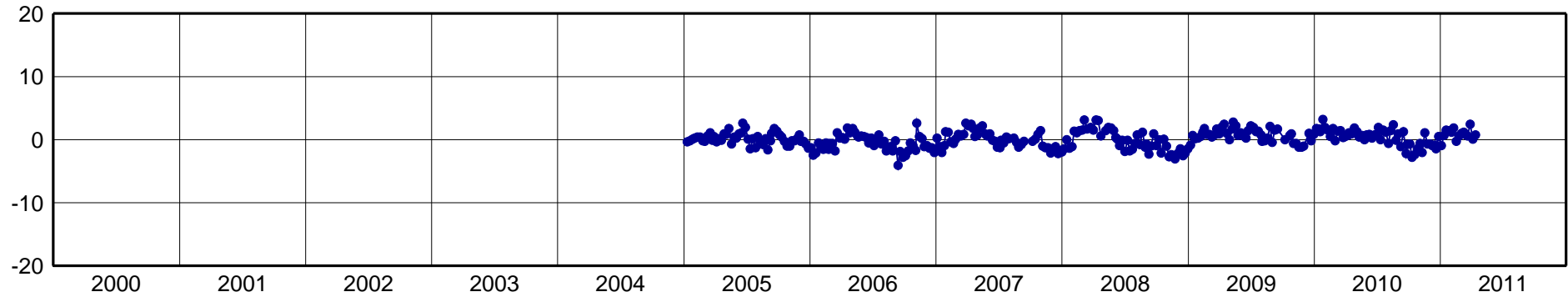


SVIC-Up Component [mm]

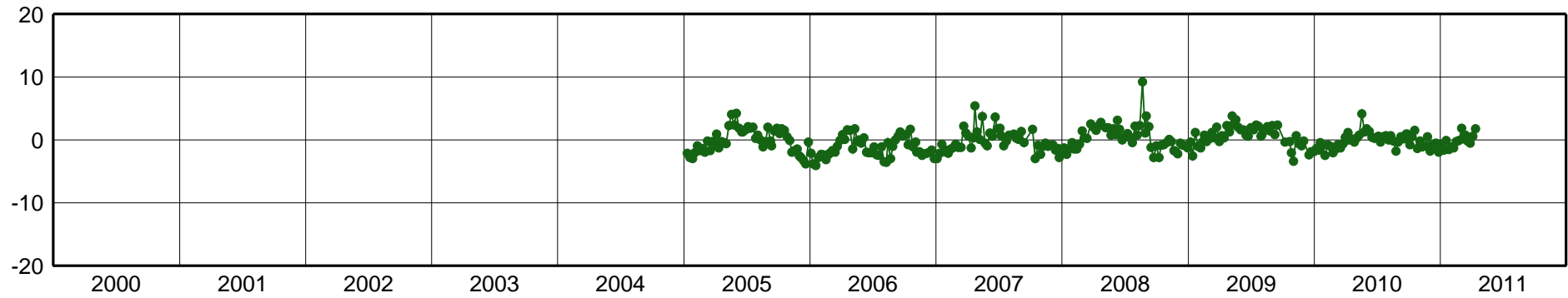


TAMP-North Component [mm]

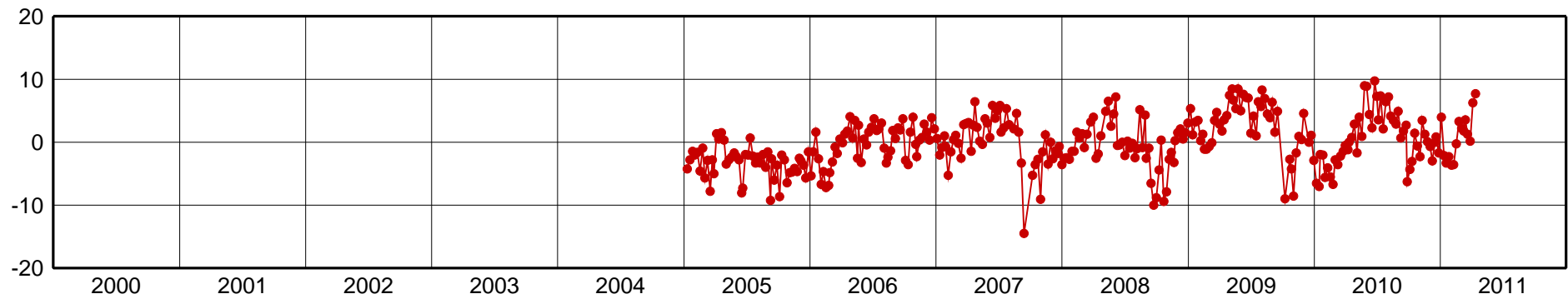
○ SIRGAS Analysis Centre at DGFI



TAMP-East Component [mm]

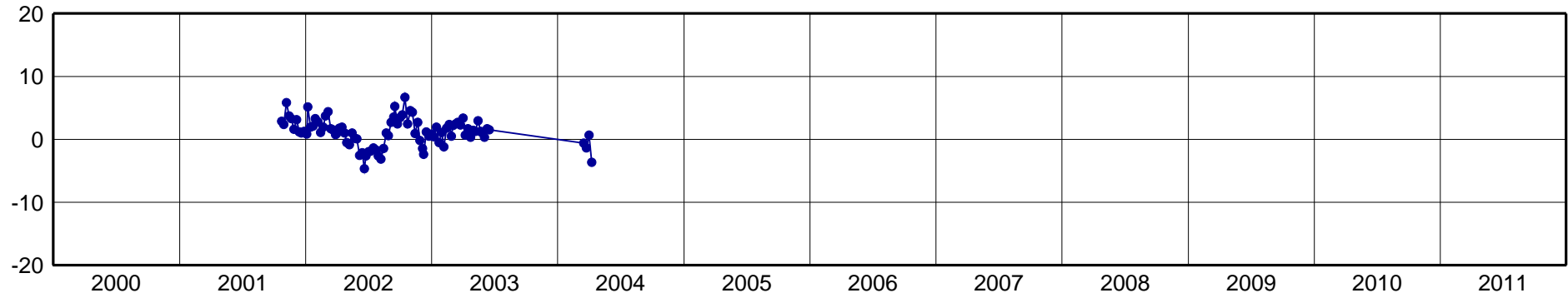


TAMP-Up Component [mm]

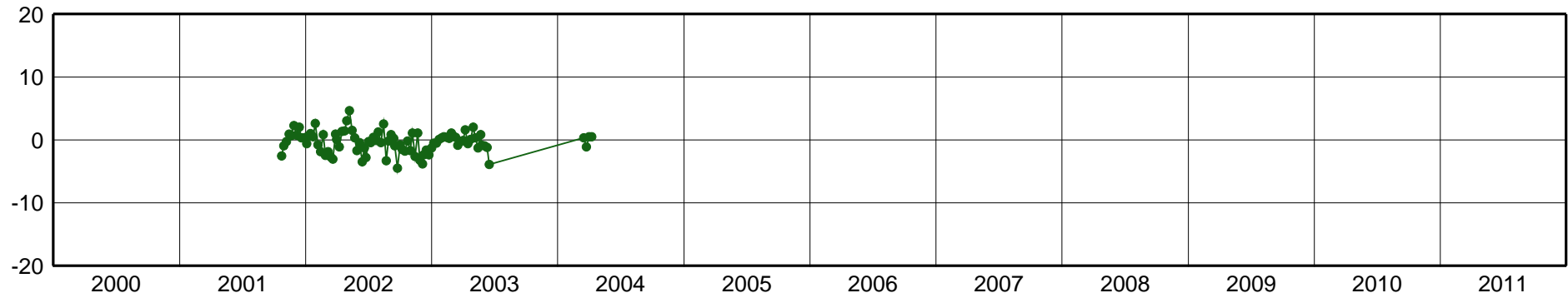


TEG1-North Component [mm]

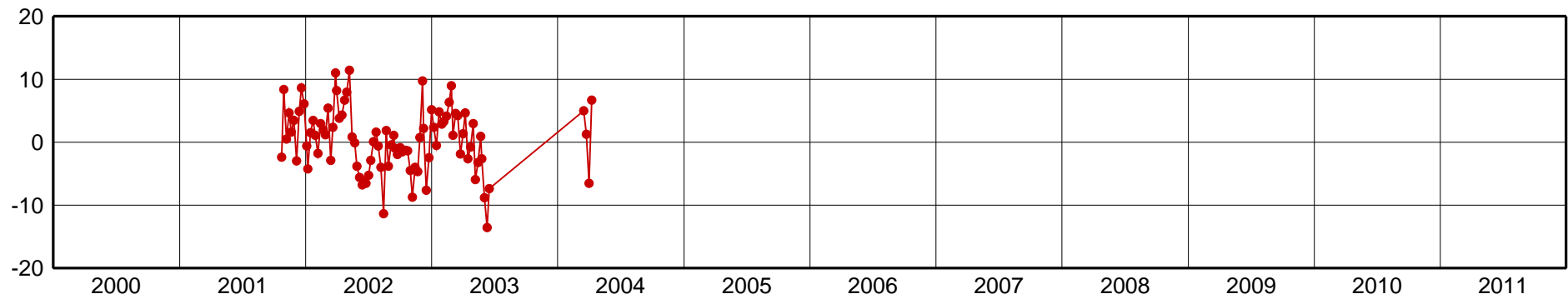
○ SIRGAS Analysis Centre at DGFI



TEG1-East Component [mm]



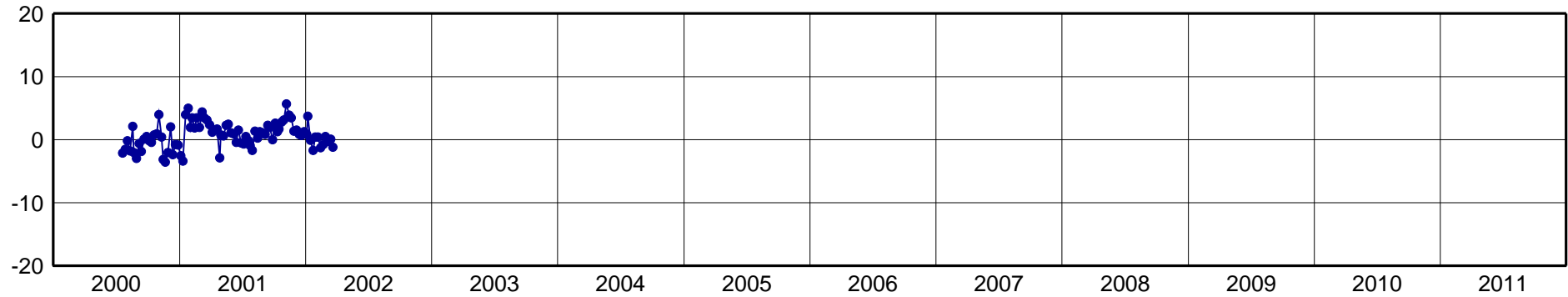
TEG1-Up Component [mm]



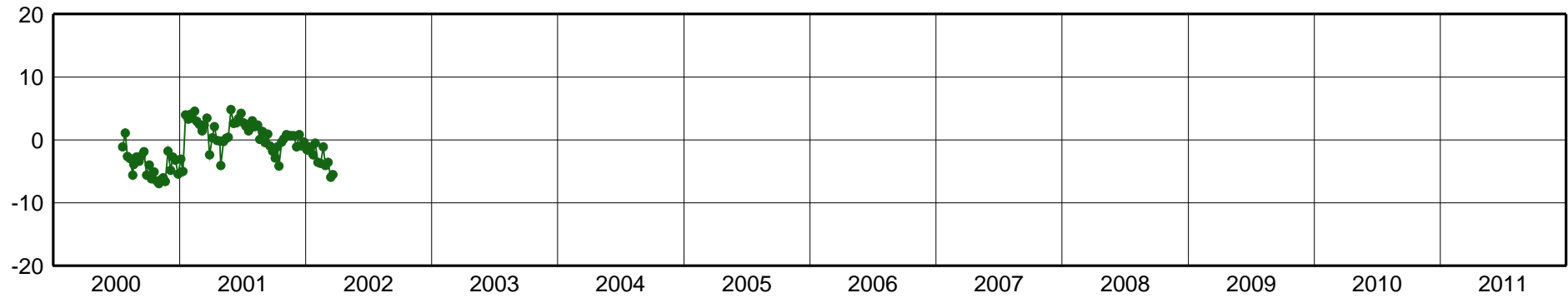


TEGU-North Component [mm]

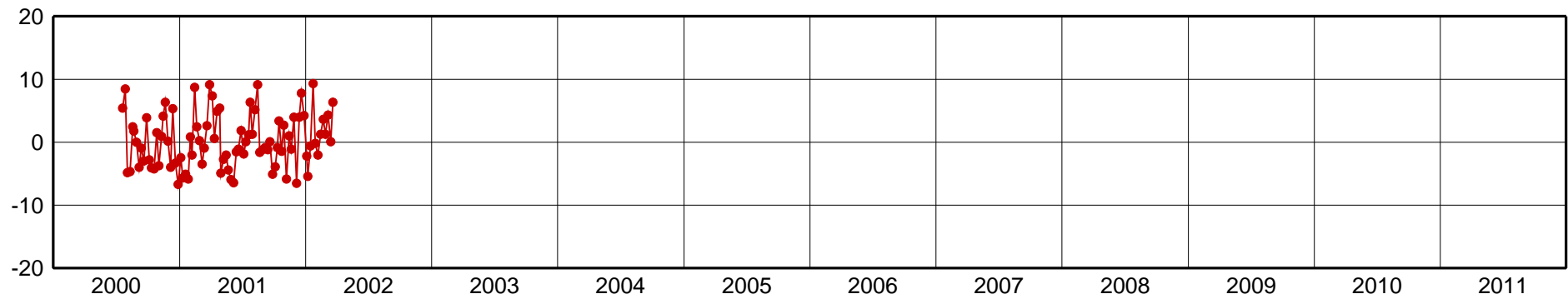
○ SIRGAS Analysis Centre at DGFI



TEGU-East Component [mm]

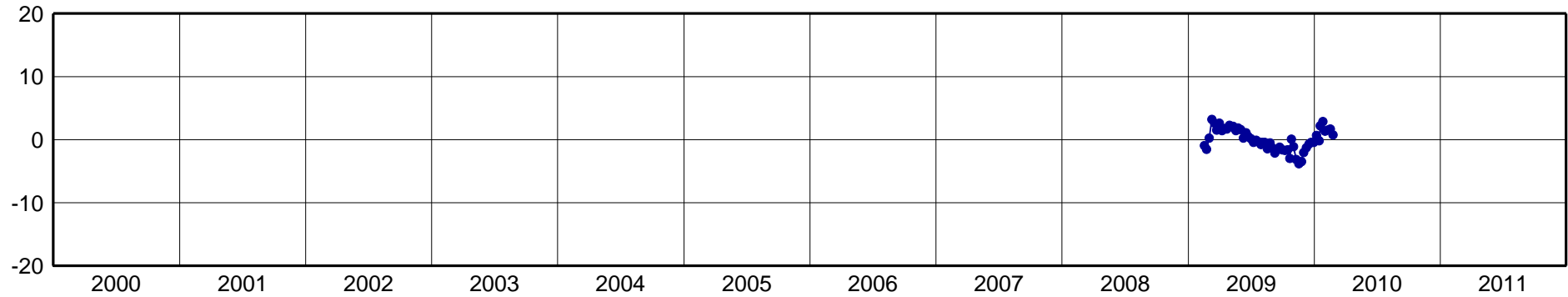


TEGU-Up Component [mm]

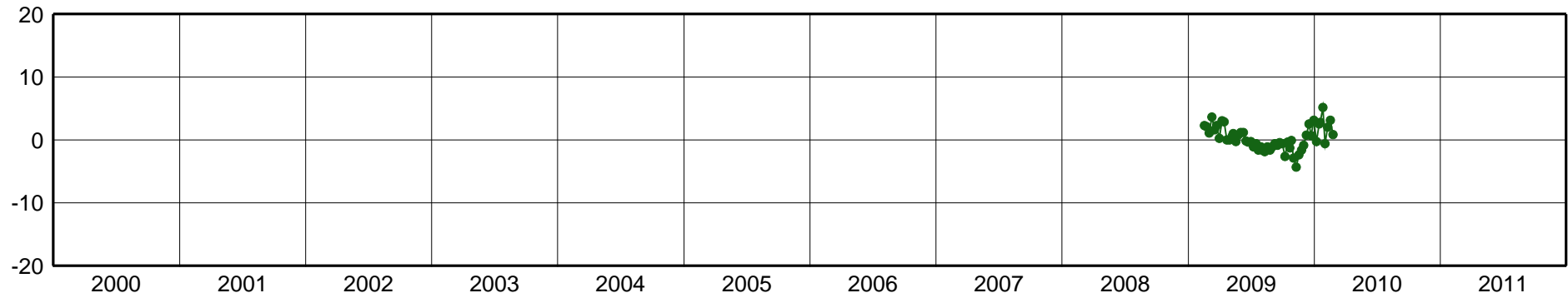


TERO-North Component [mm]

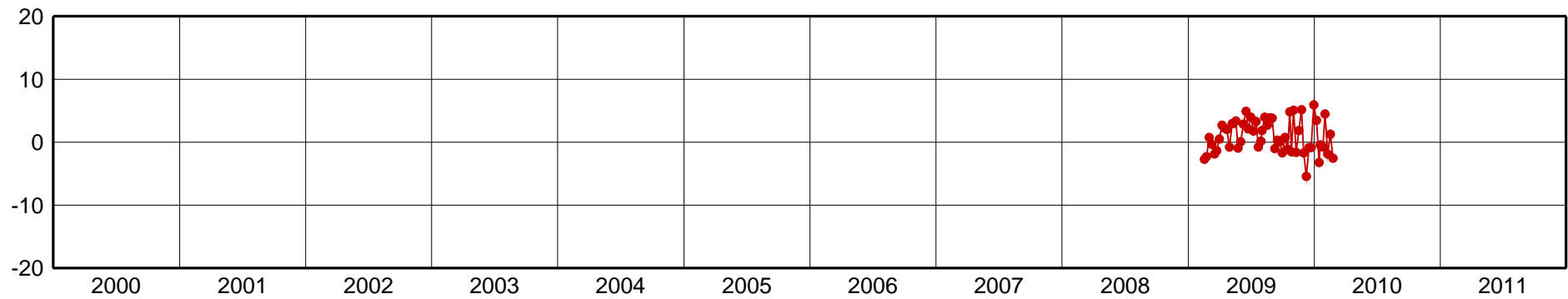
○ SIRGAS Analysis Centre at DGFI



TERO-East Component [mm]

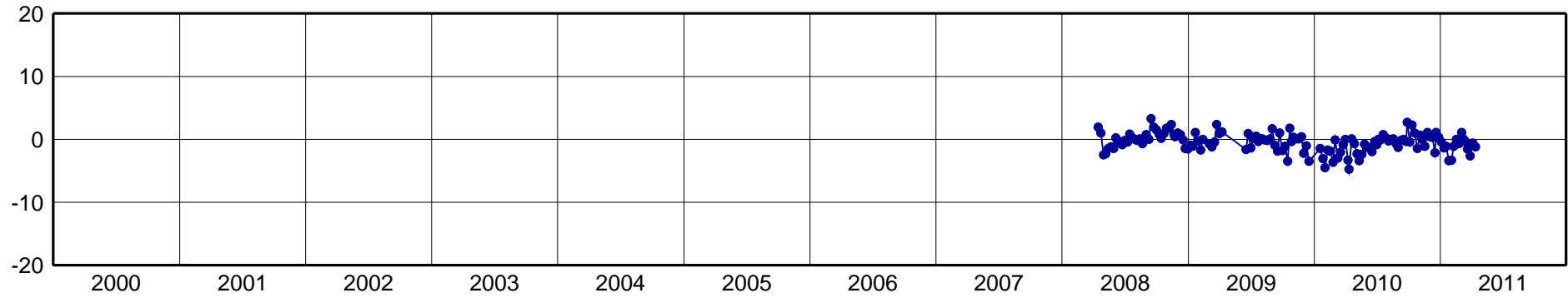


TERO-Up Component [mm]

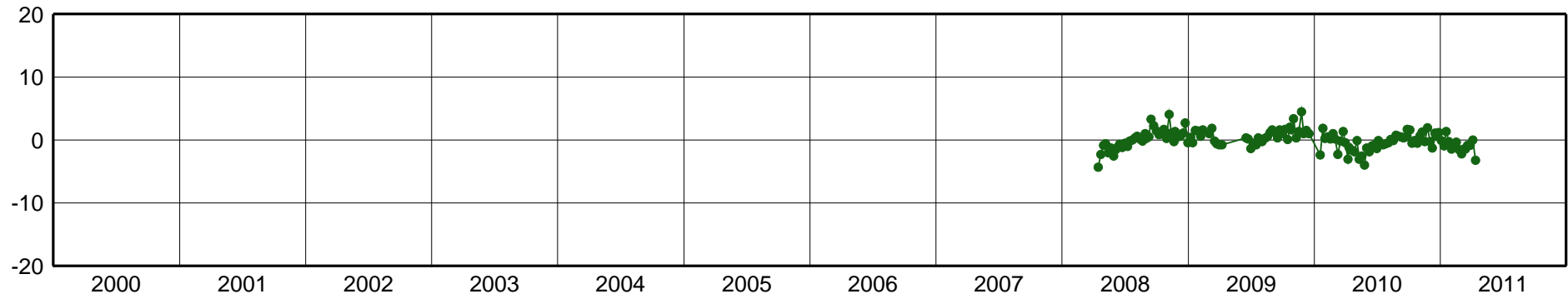


TOGU-North Component [mm]

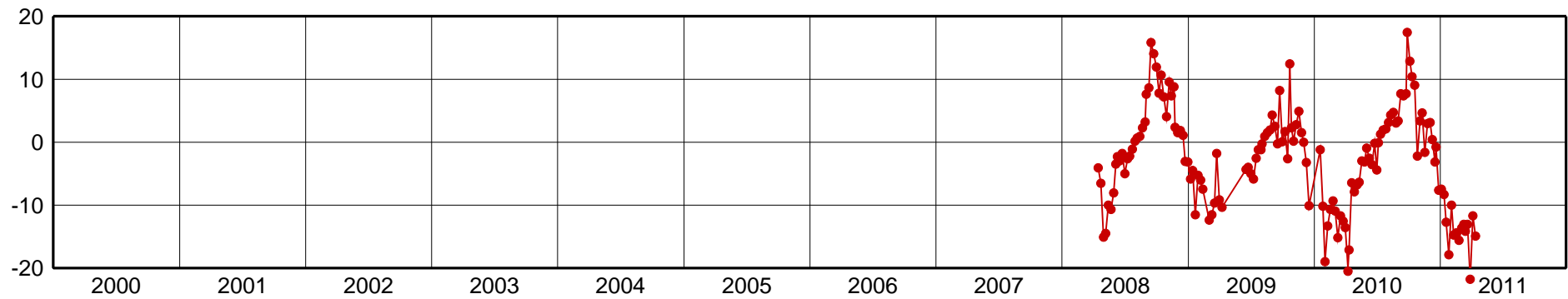
○ SIRGAS Analysis Centre at DGFI



TOGU-East Component [mm]

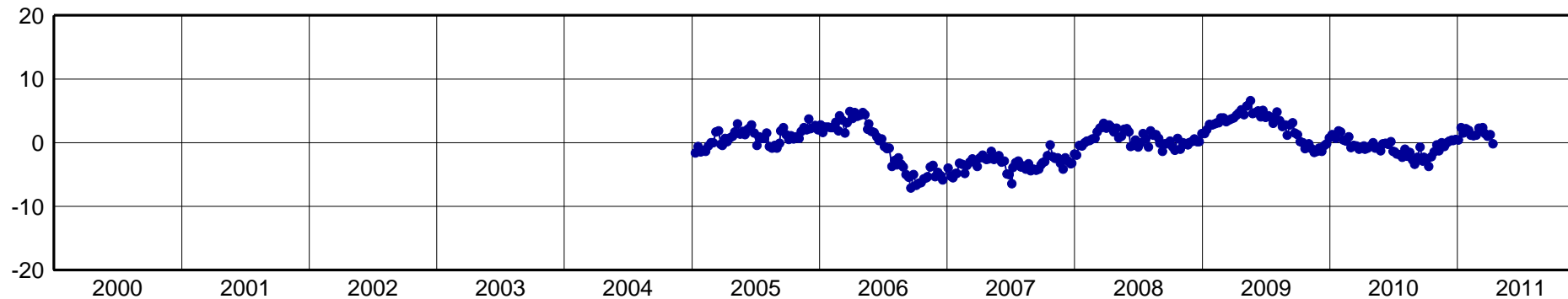


TOGU-Up Component [mm]

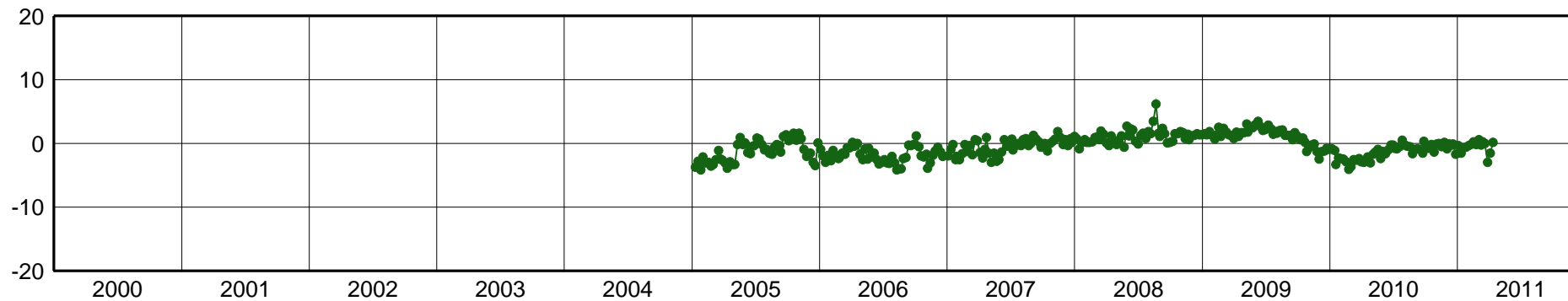


TOL2-North Component [mm]

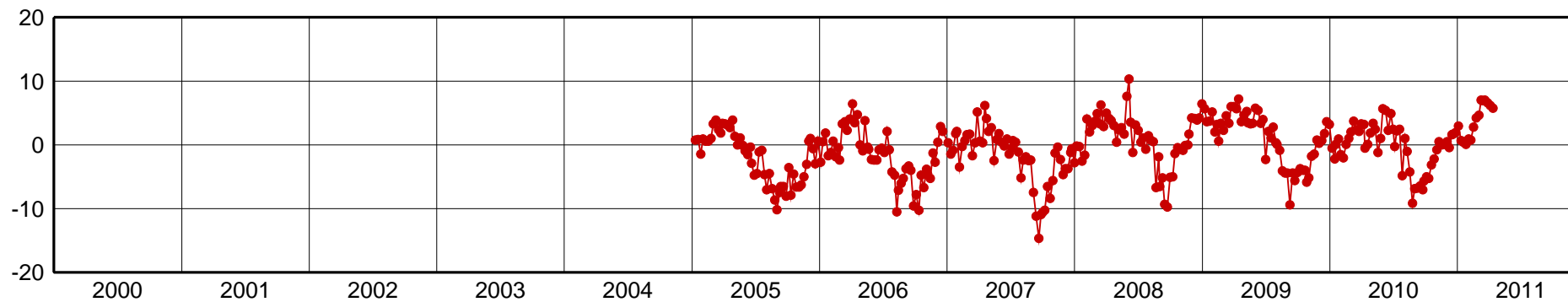
○ SIRGAS Analysis Centre at DGFI



TOL2-East Component [mm]

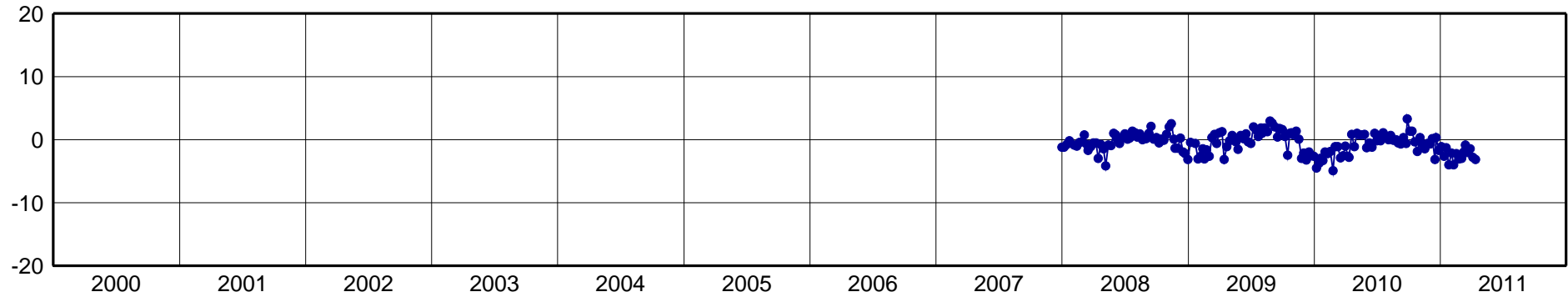


TOL2-Up Component [mm]

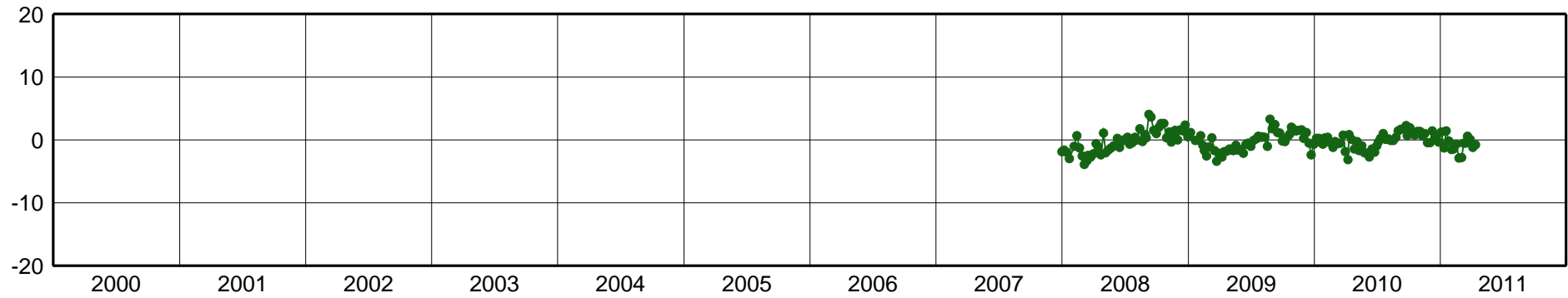


TOPL-North Component [mm]

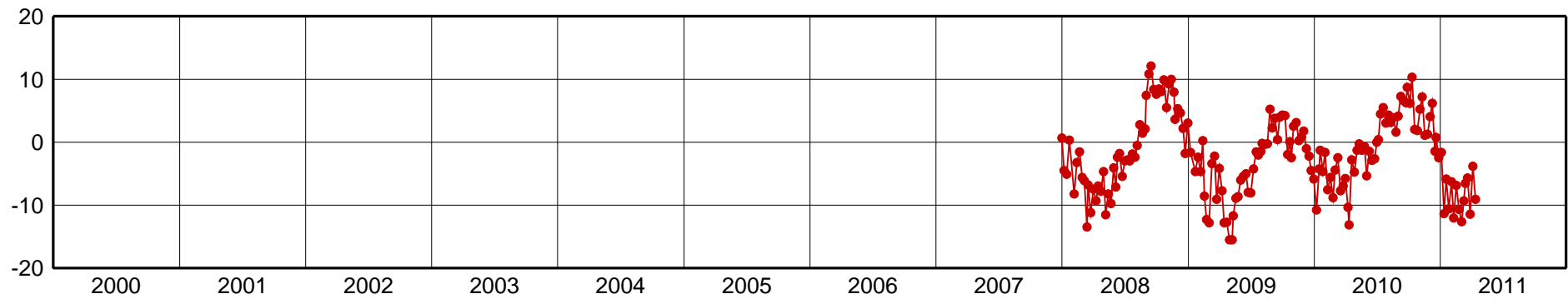
○ SIRGAS Analysis Centre at DGFI



TOPL-East Component [mm]

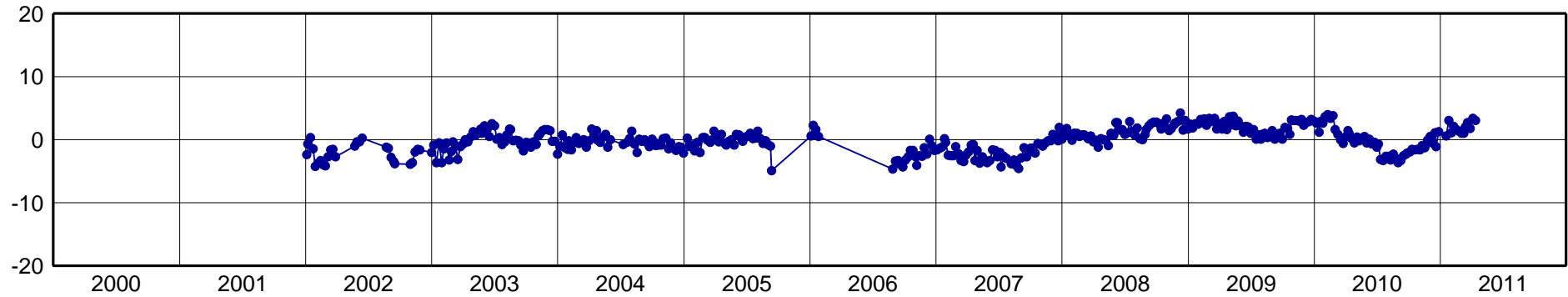


TOPL-Up Component [mm]

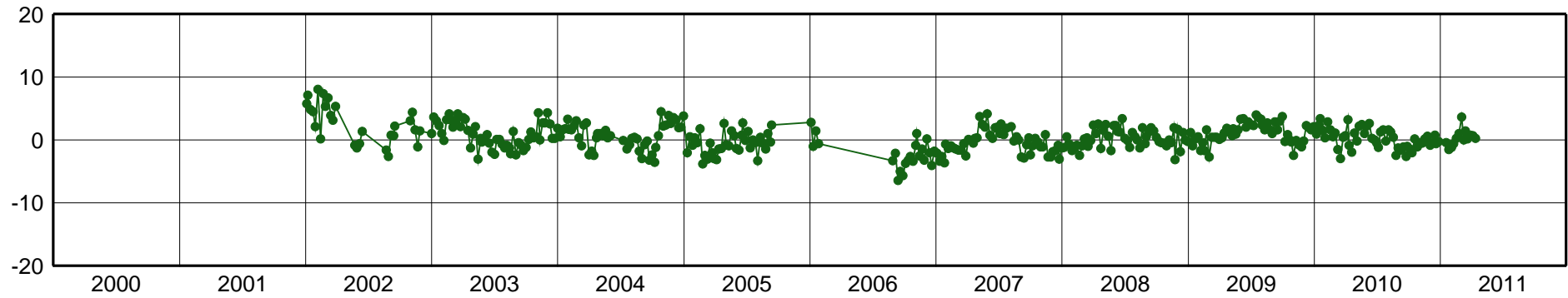


TUCU-North Component [mm]

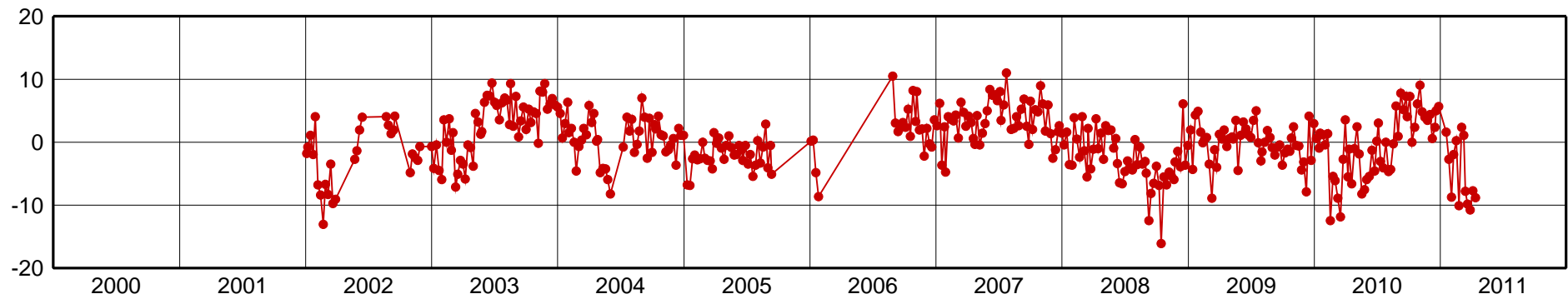
○ SIRGAS Analysis Centre at DGFI



TUCU-East Component [mm]

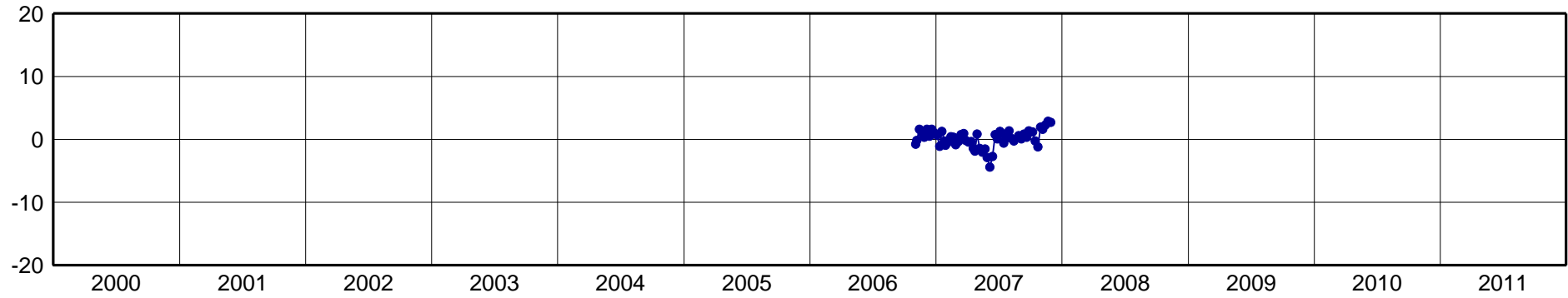


TUCU-Up Component [mm]

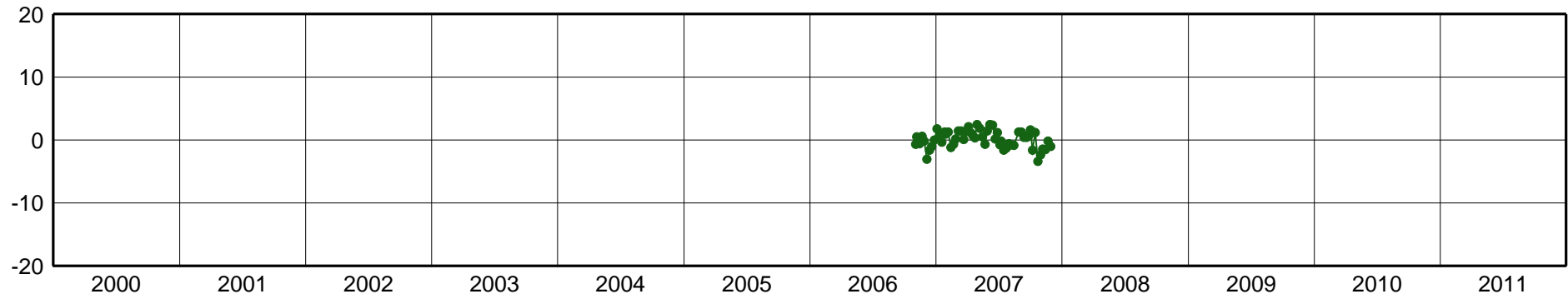


TUMA-North Component [mm]

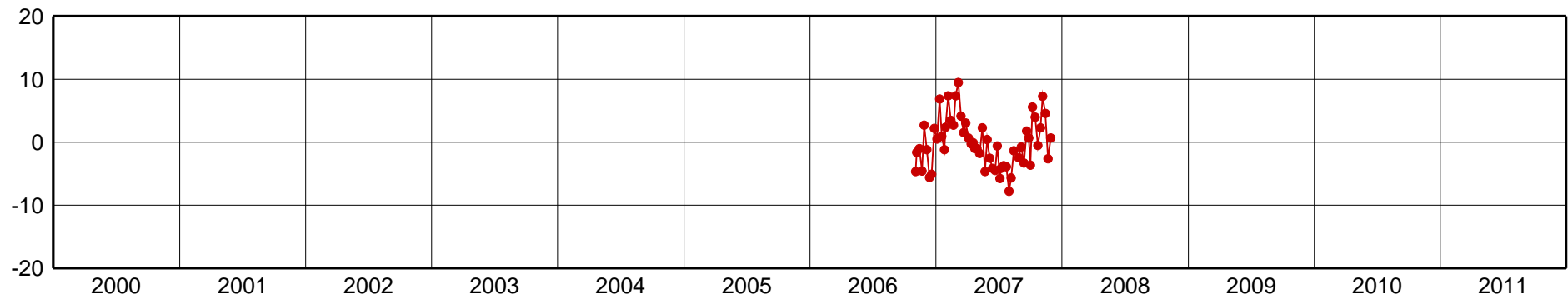
○ SIRGAS Analysis Centre at DGFI



TUMA-East Component [mm]

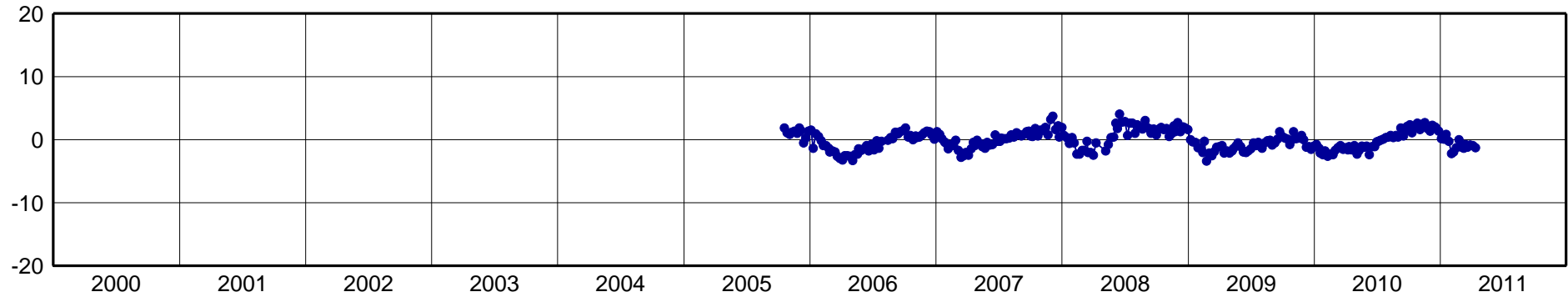


TUMA-Up Component [mm]

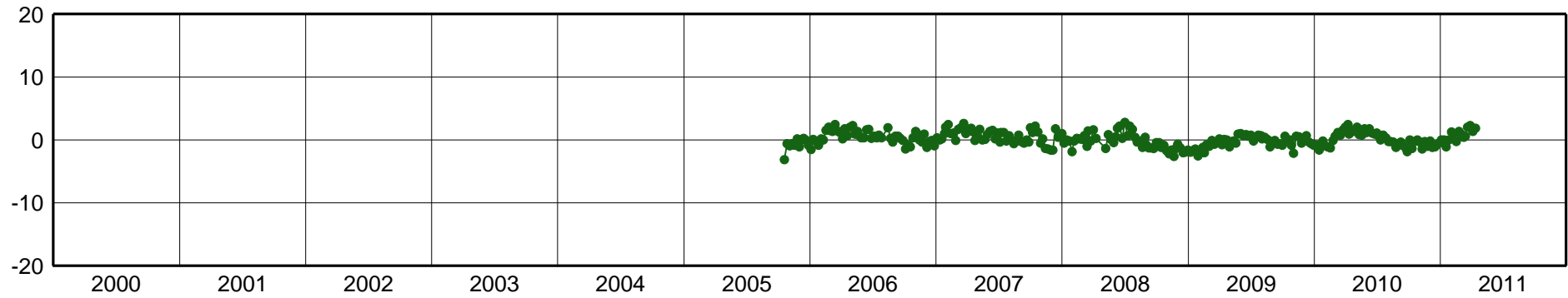


TUNA-North Component [mm]

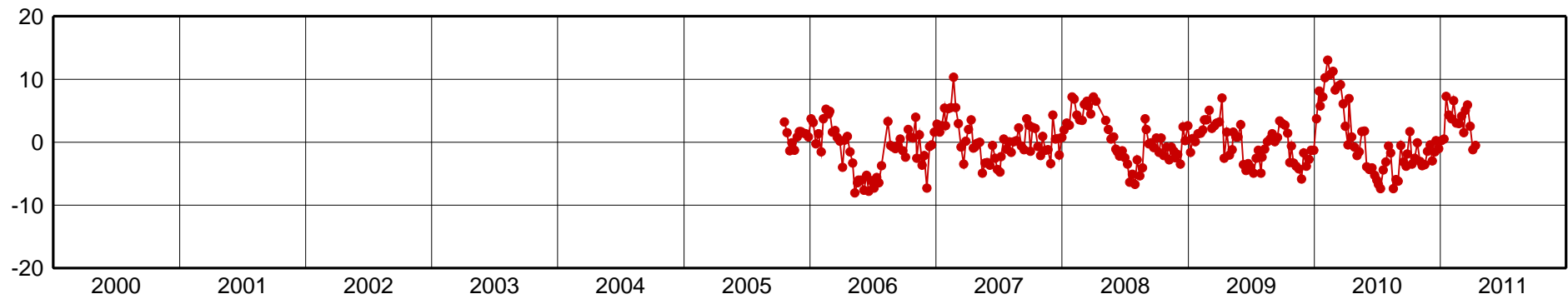
○ SIRGAS Analysis Centre at DGFI



TUNA-East Component [mm]



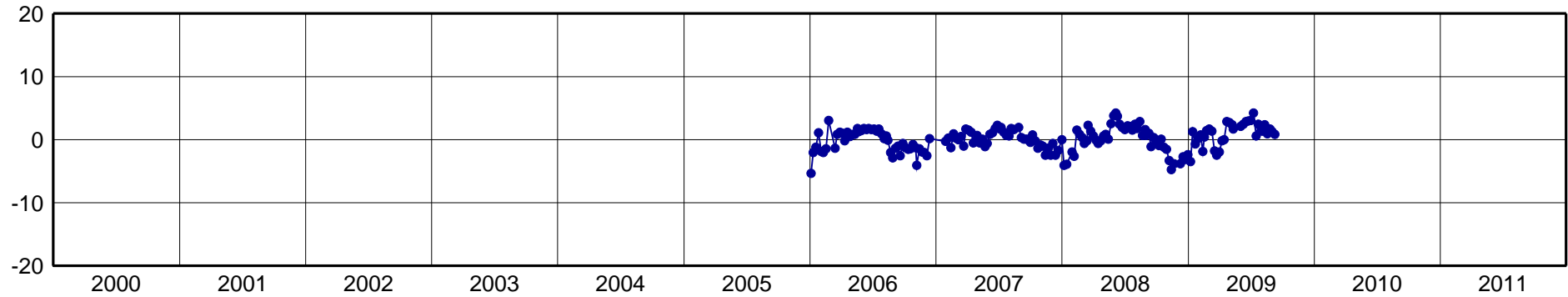
TUNA-Up Component [mm]



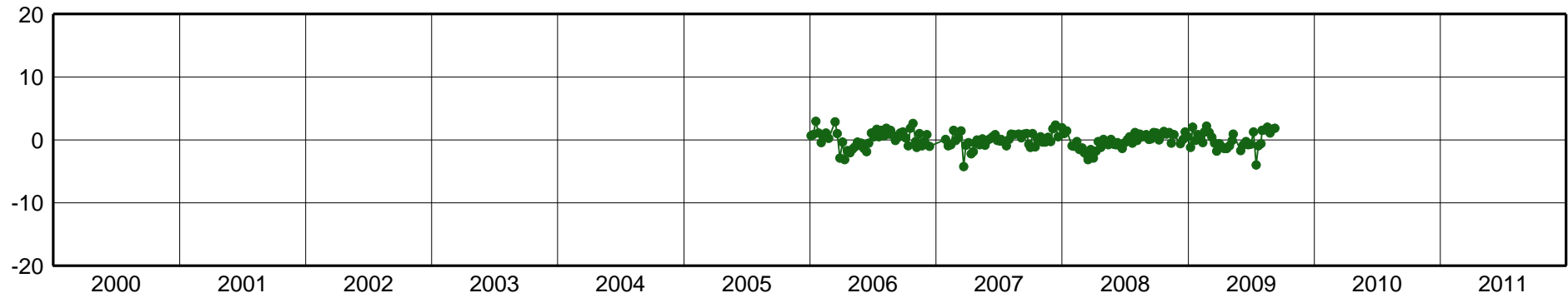


UBAT-North Component [mm]

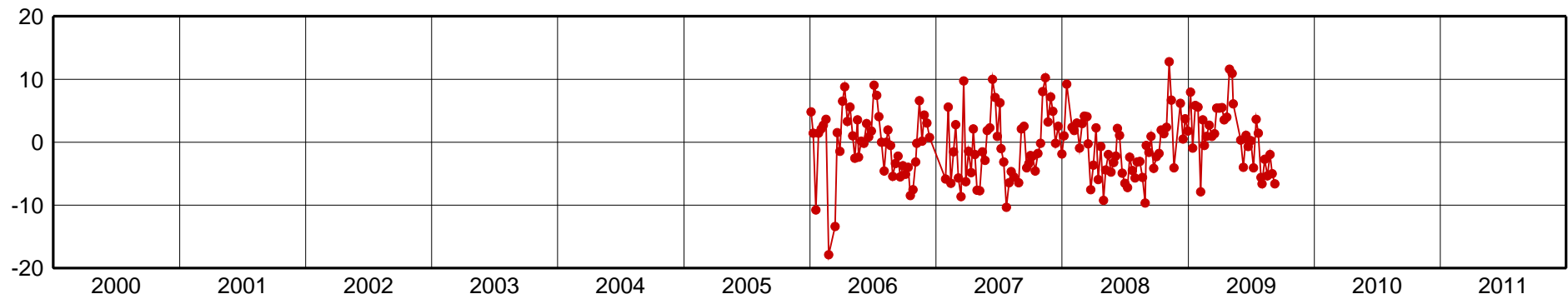
○ SIRGAS Analysis Centre at DGFI



UBAT-East Component [mm]

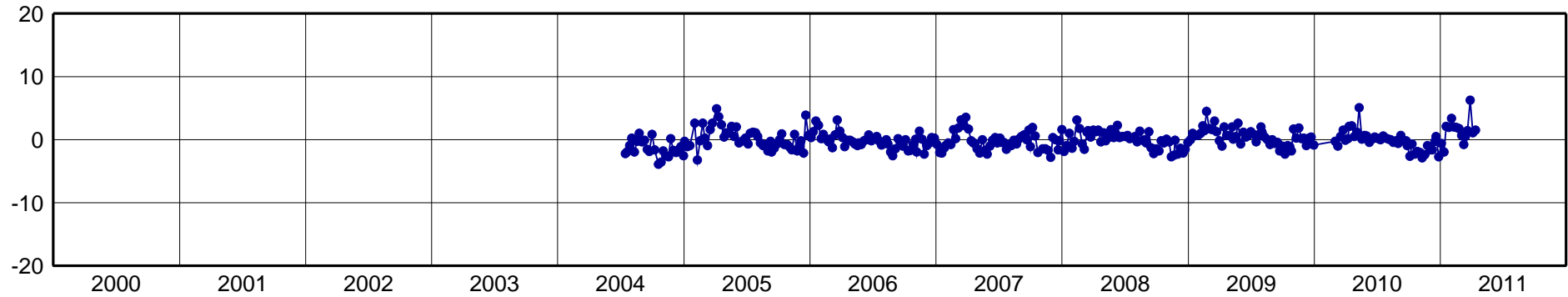


UBAT-Up Component [mm]

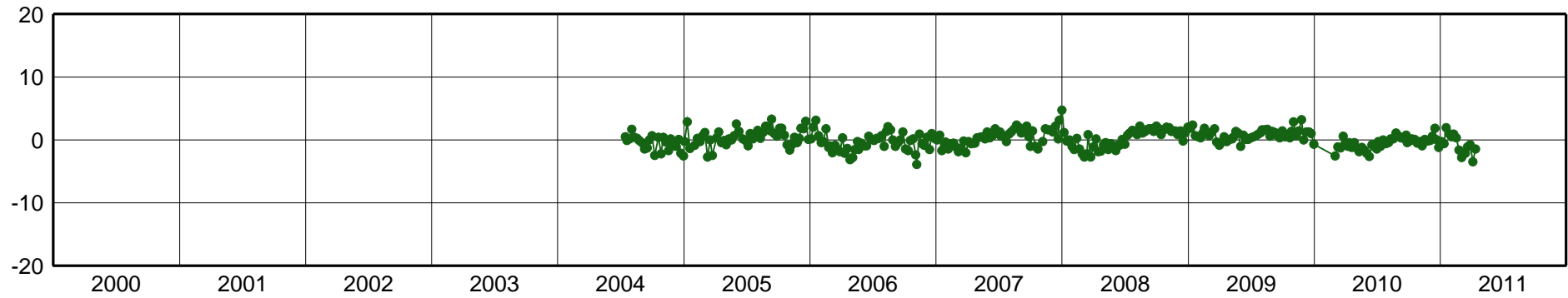


UBER-North Component [mm]

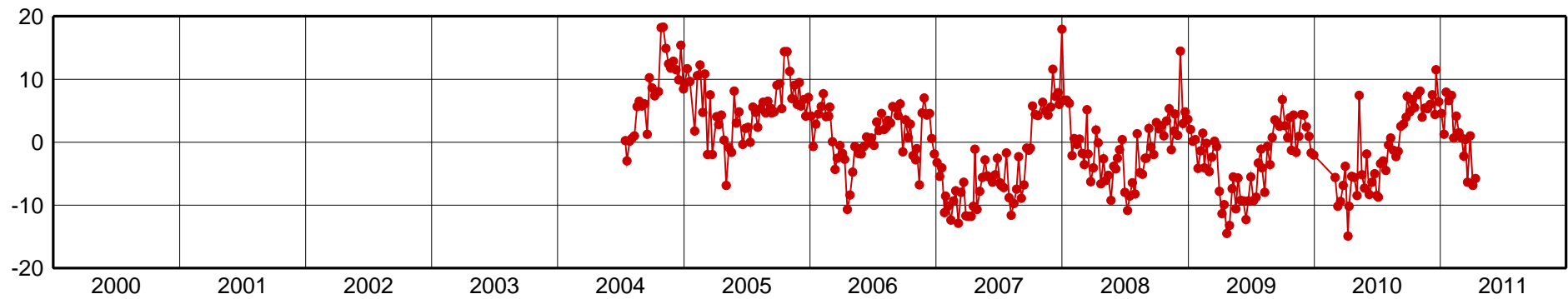
○ SIRGAS Analysis Centre at DGFI



UBER-East Component [mm]

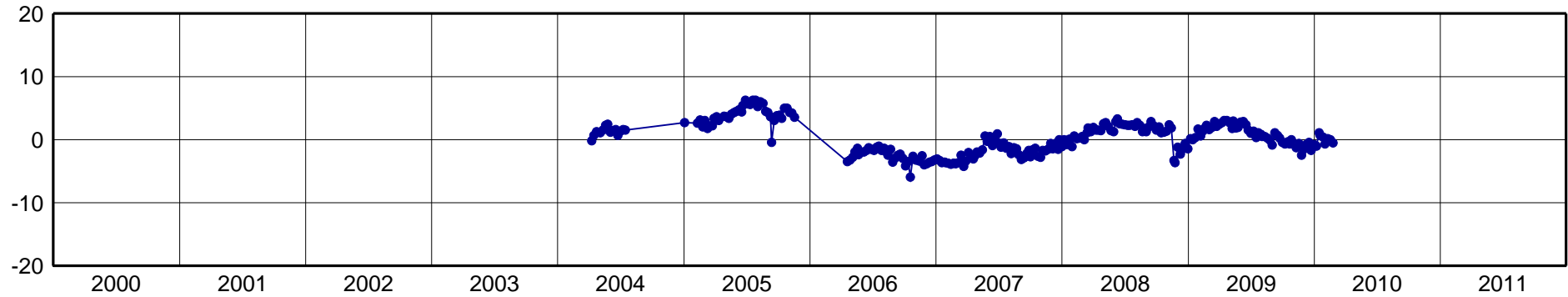


UBER-Up Component [mm]

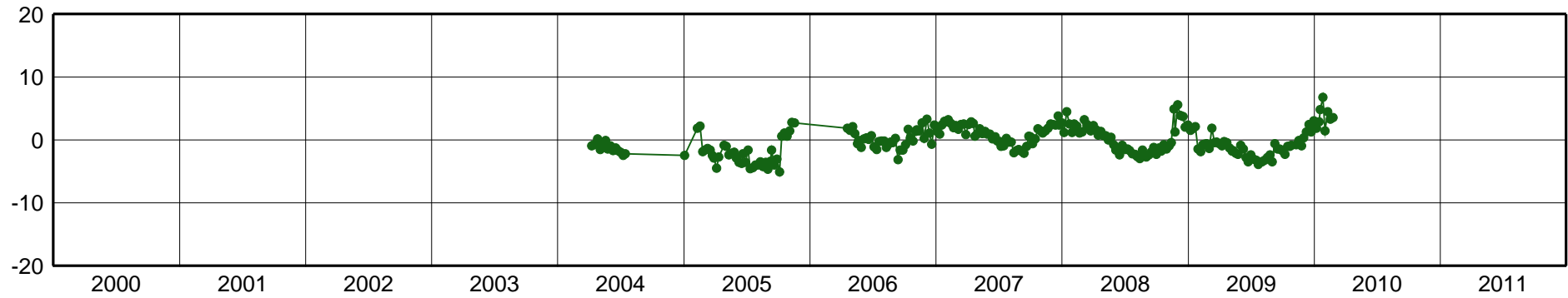


UCOR-North Component [mm]

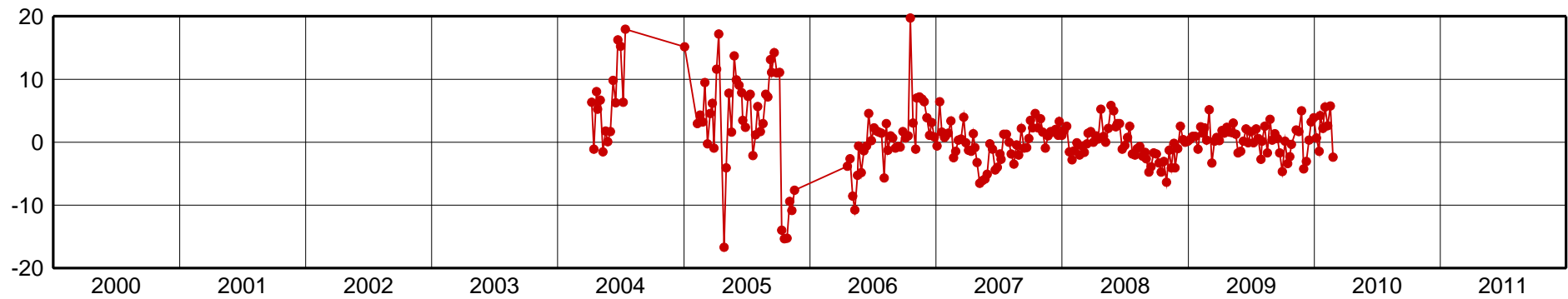
○ SIRGAS Analysis Centre at DGFI



UCOR-East Component [mm]

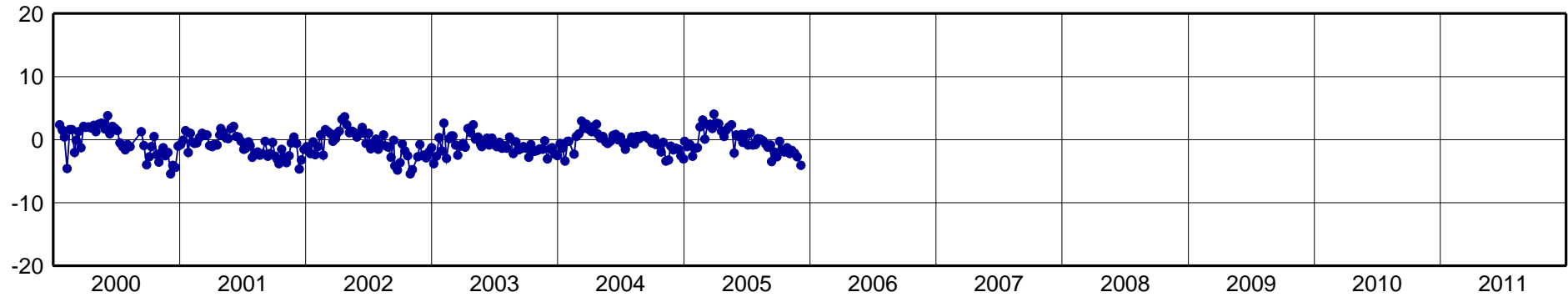


UCOR-Up Component [mm]

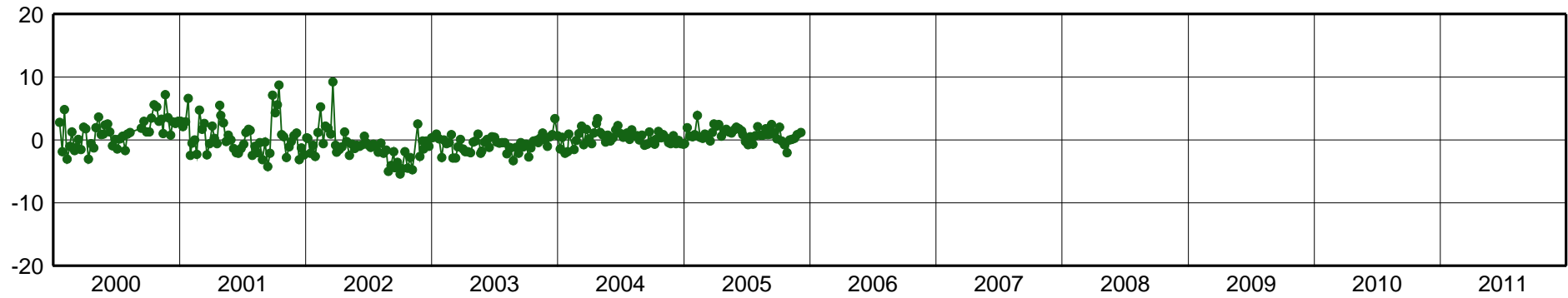


UEPP-North Component [mm]

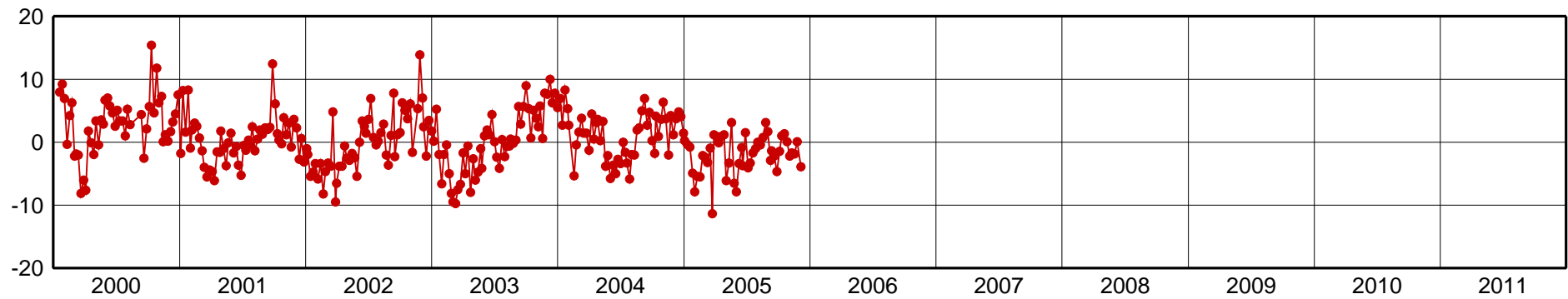
○ SIRGAS Analysis Centre at DGFI



UEPP-East Component [mm]

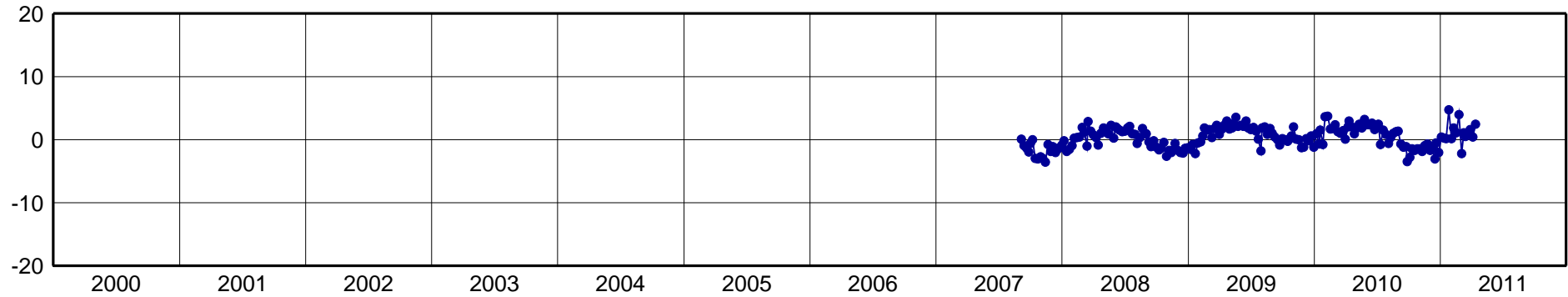


UEPP-Up Component [mm]

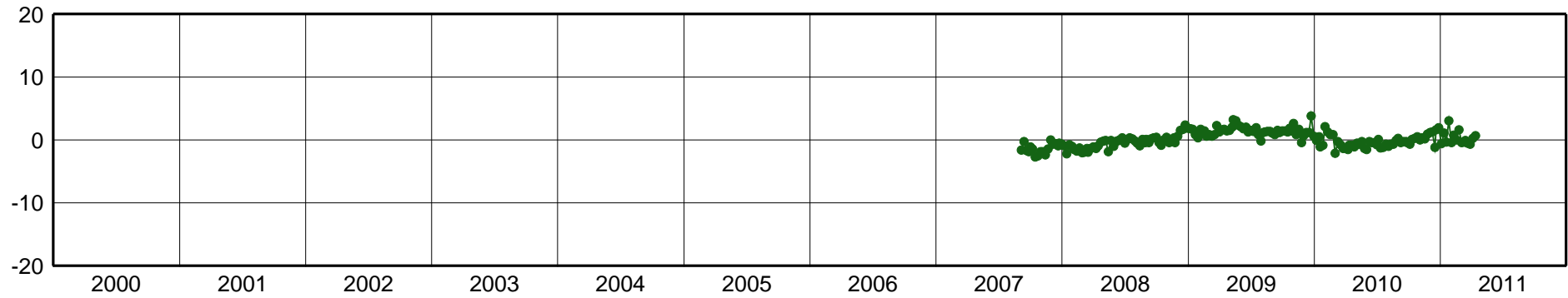


UFPR-North Component [mm]

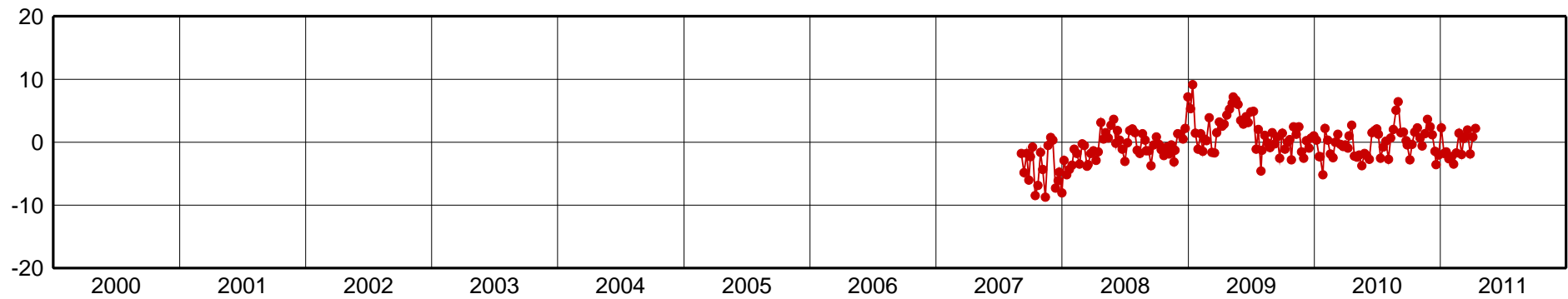
○ SIRGAS Analysis Centre at DGFI



UFPR-East Component [mm]

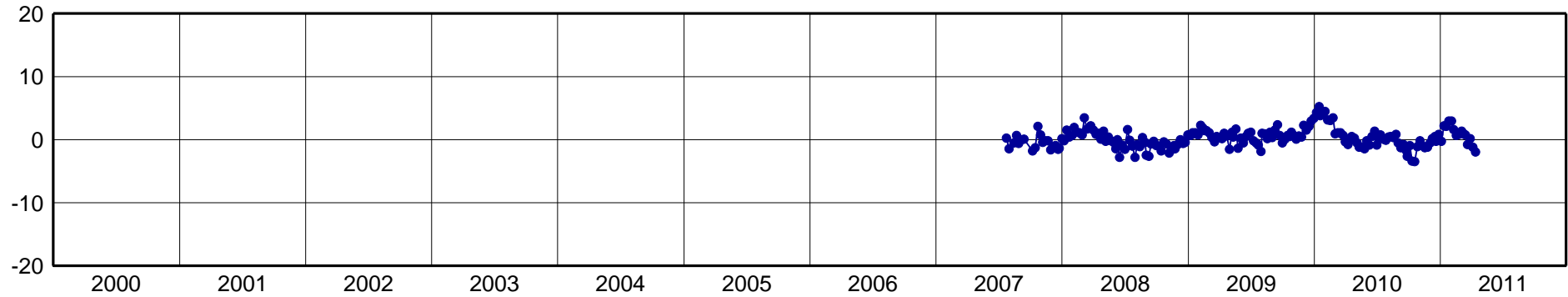


UFPR-Up Component [mm]

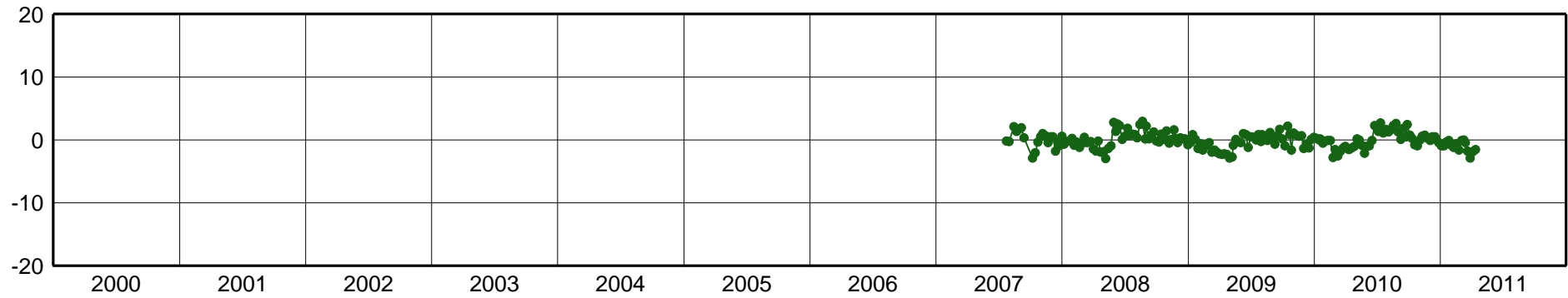


UGTO-North Component [mm]

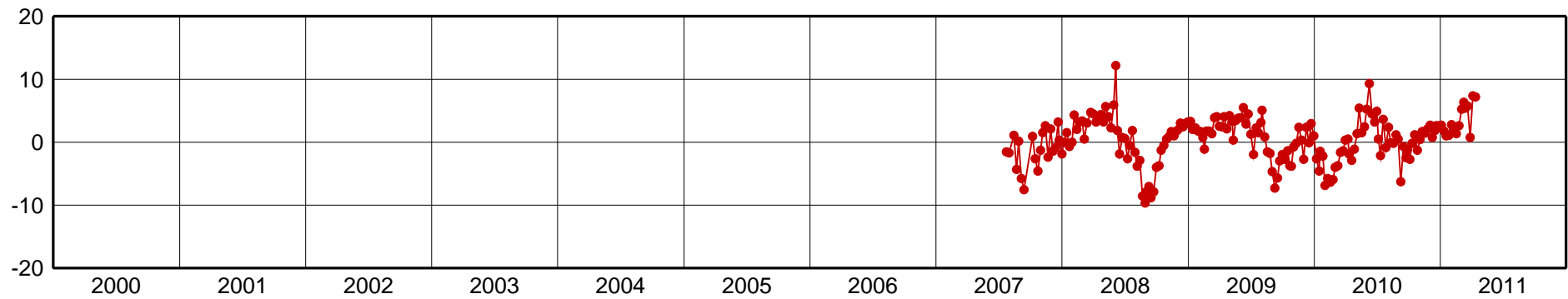
○ SIRGAS Analysis Centre at DGFI



UGTO-East Component [mm]

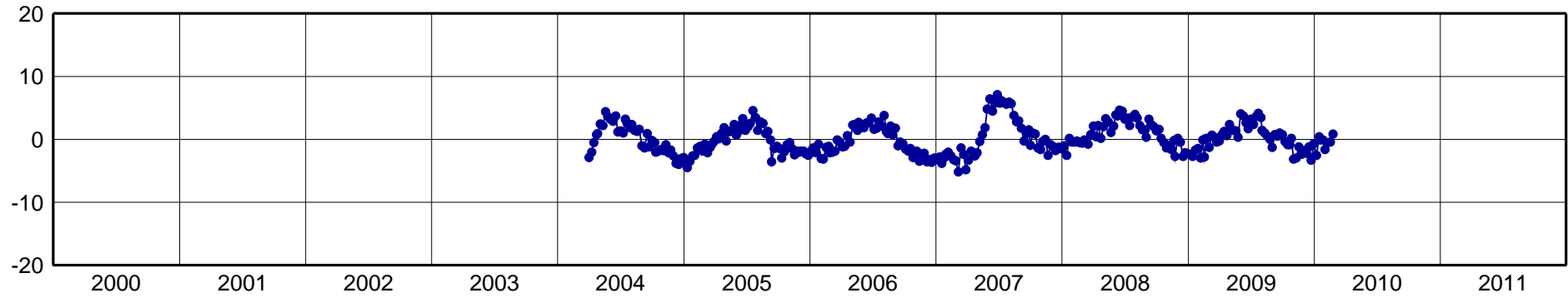


UGTO-Up Component [mm]

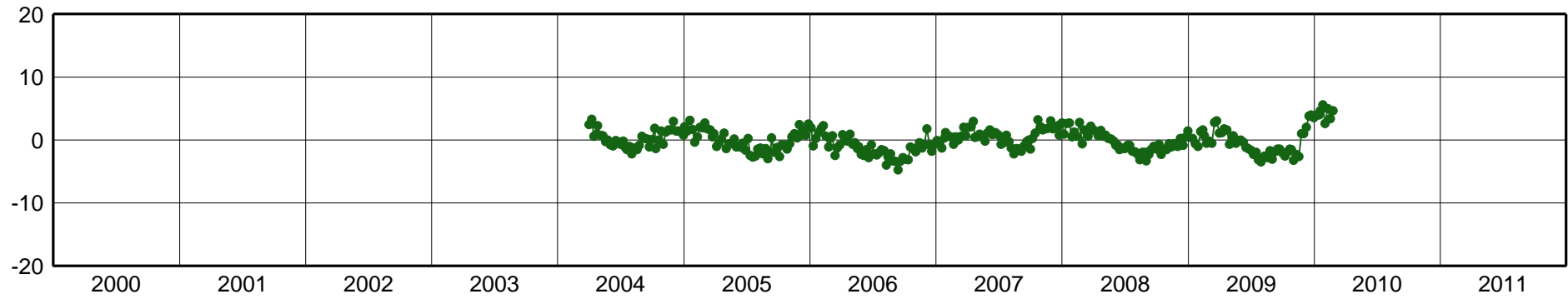


UNRO-North Component [mm]

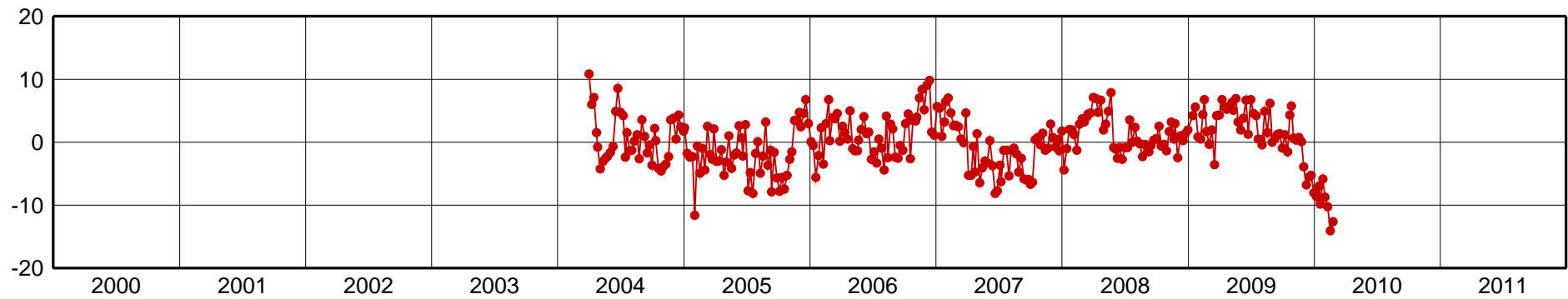
○ SIRGAS Analysis Centre at DGFI



UNRO-East Component [mm]

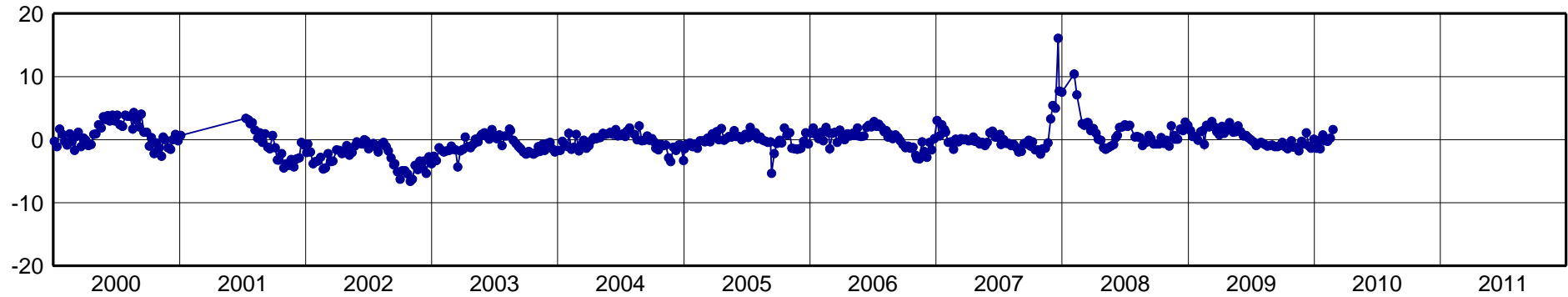


UNRO-Up Component [mm]

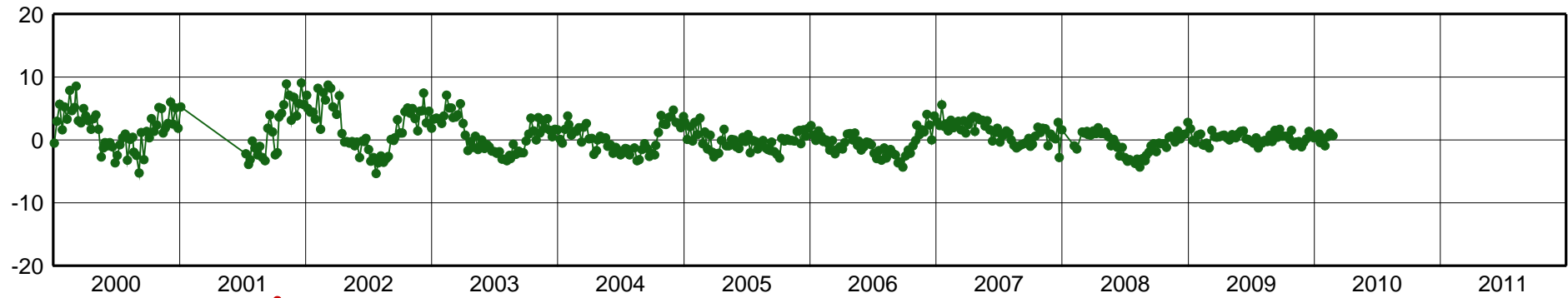


UNSA-North Component [mm]

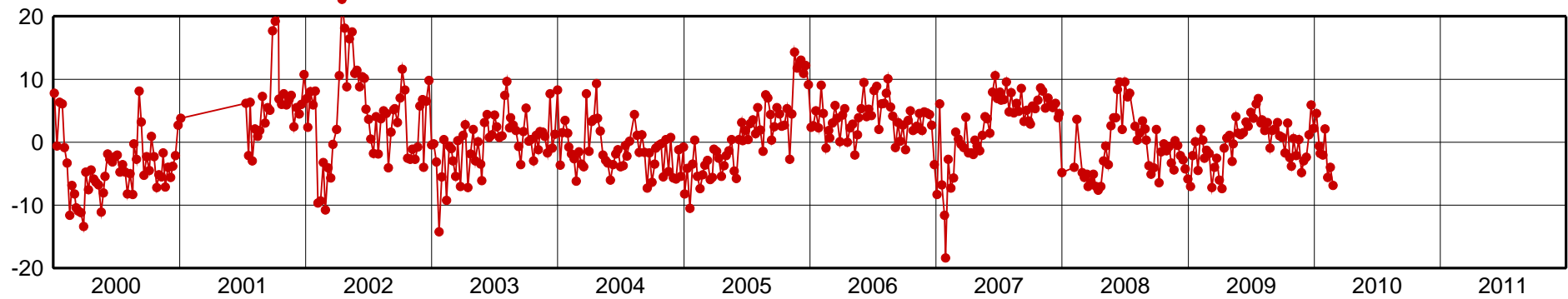
○ SIRGAS Analysis Centre at DGFI



UNSA-East Component [mm]



UNSA-Up Component [mm]

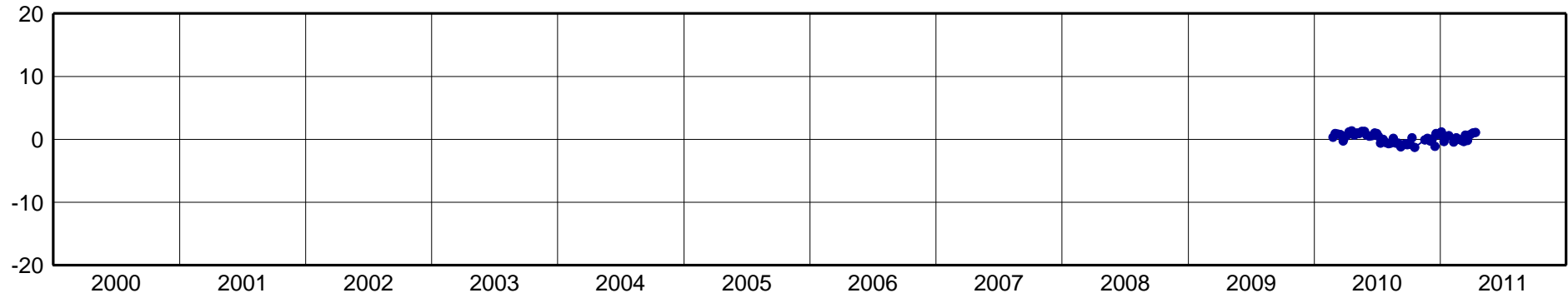




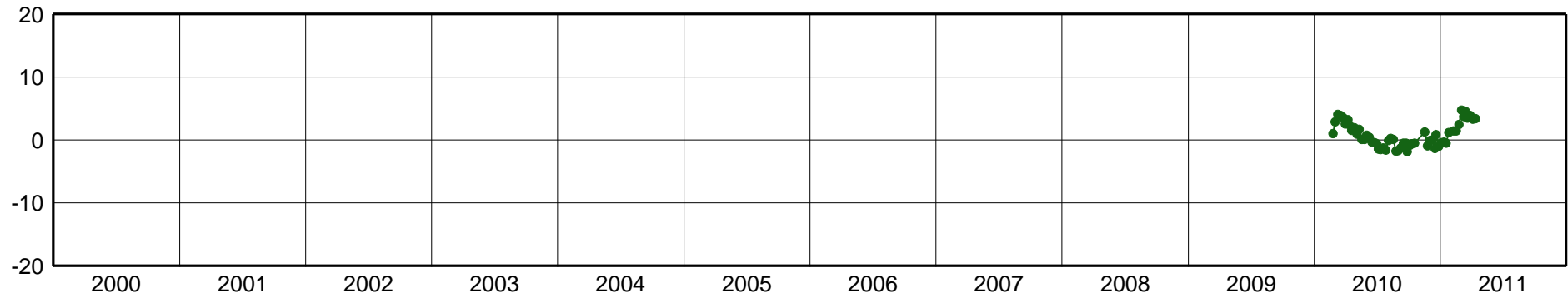


URUS-North Component [mm]

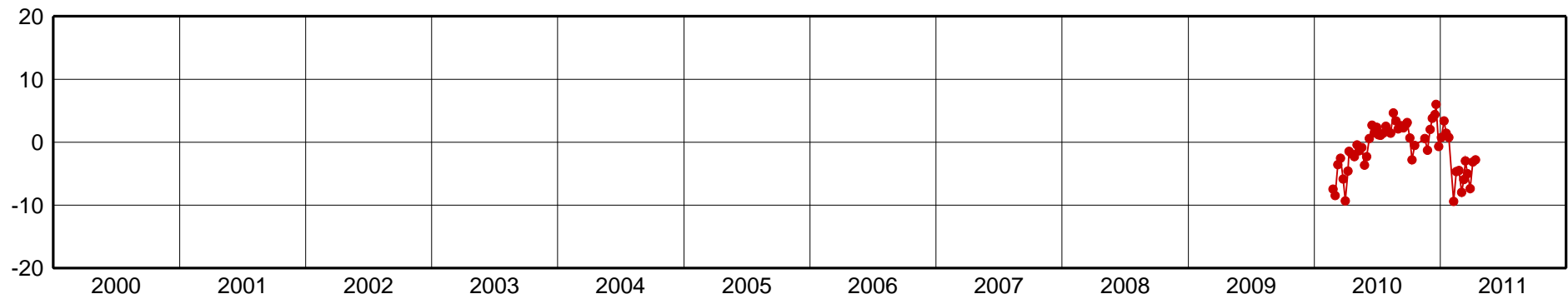
○ SIRGAS Analysis Centre at DGFI



URUS-East Component [mm]

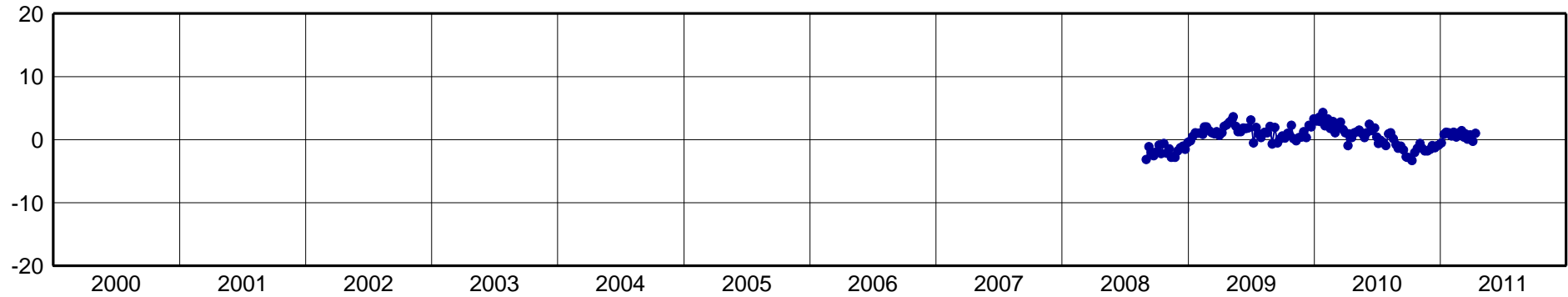


URUS-Up Component [mm]

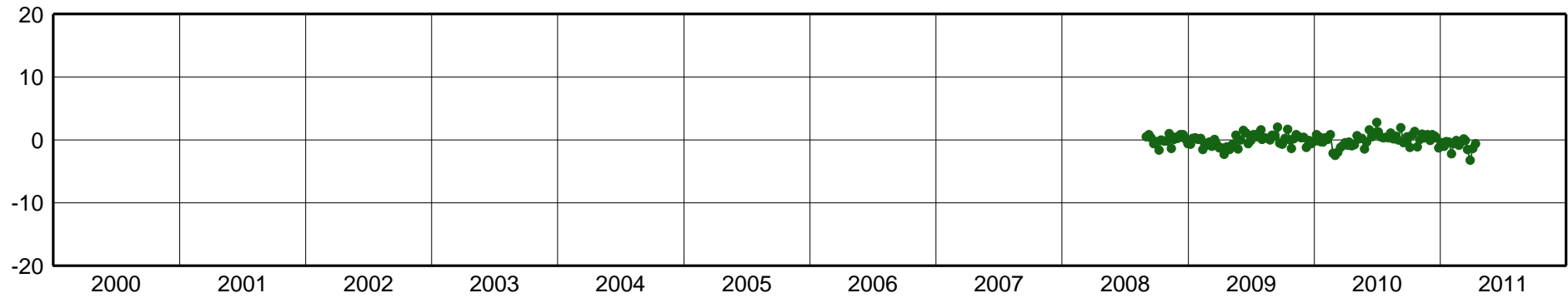


USLP-North Component [mm]

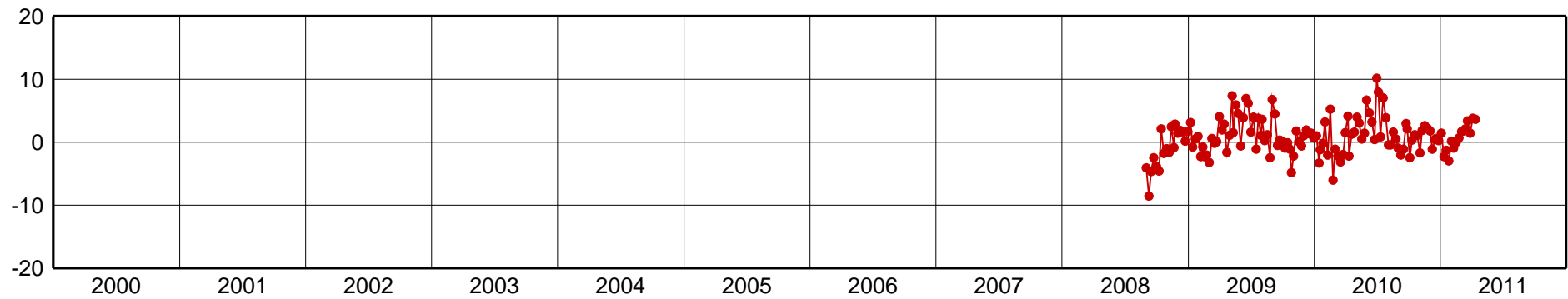
○ SIRGAS Analysis Centre at DGFI



USLP-East Component [mm]

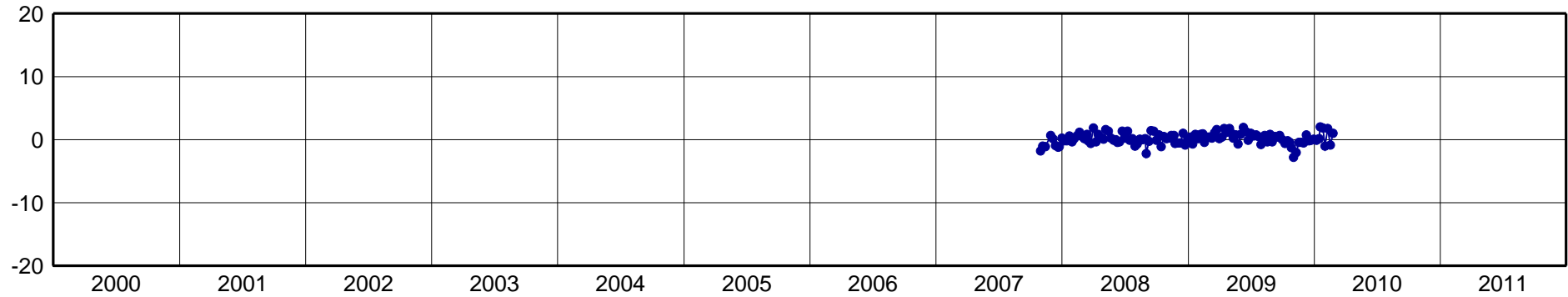


USLP-Up Component [mm]

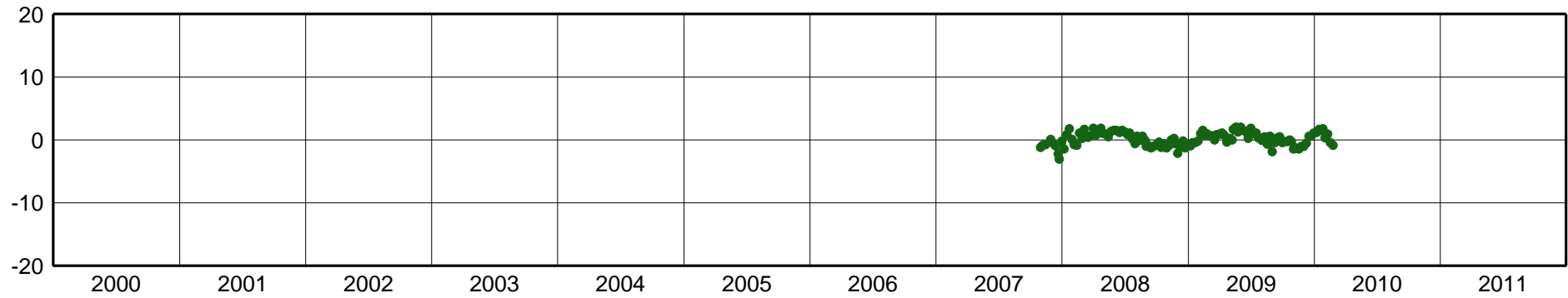


UYMO-North Component [mm]

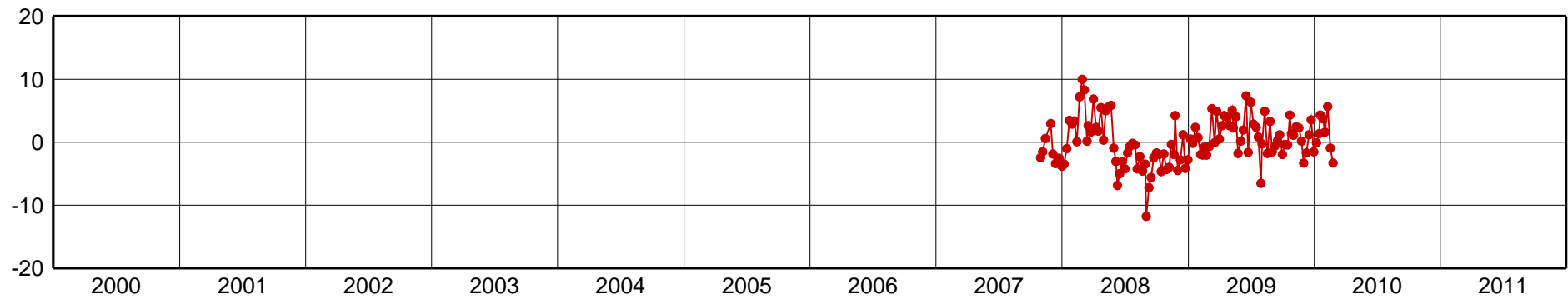
○ SIRGAS Analysis Centre at DGFI



UYMO-East Component [mm]

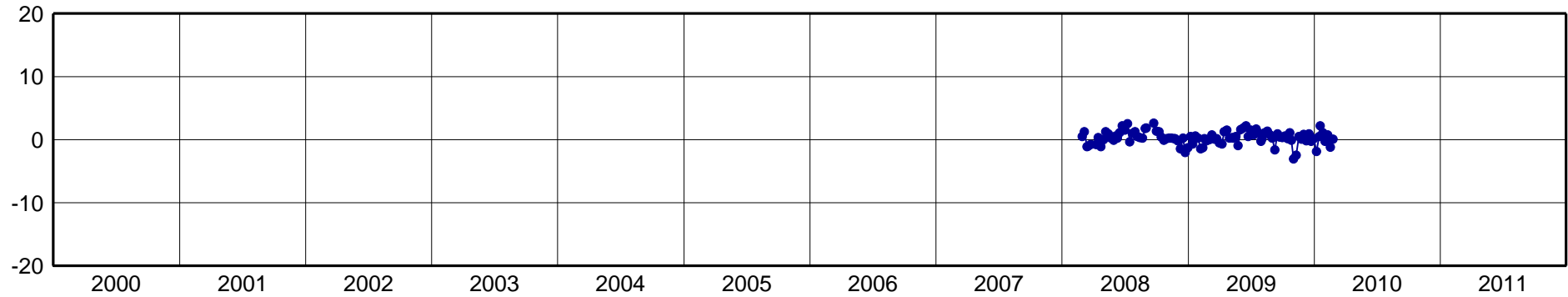


UYMO-Up Component [mm]

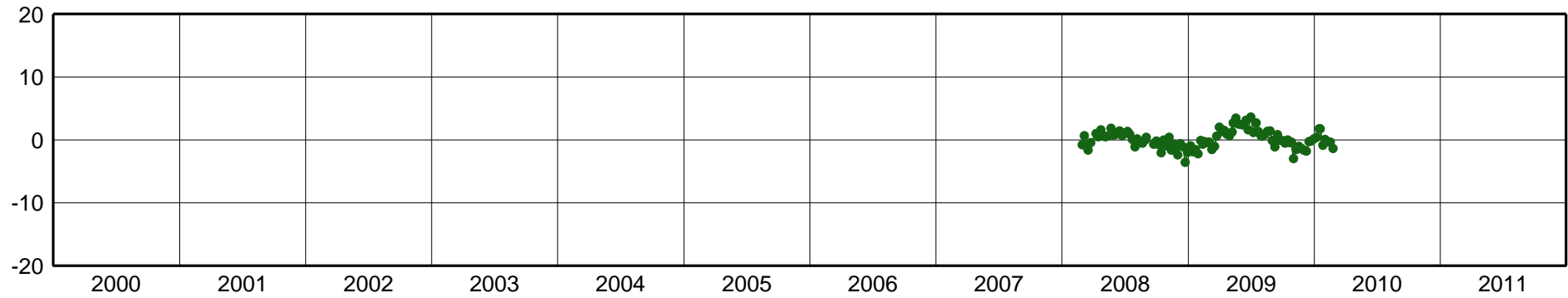


UYRO-North Component [mm]

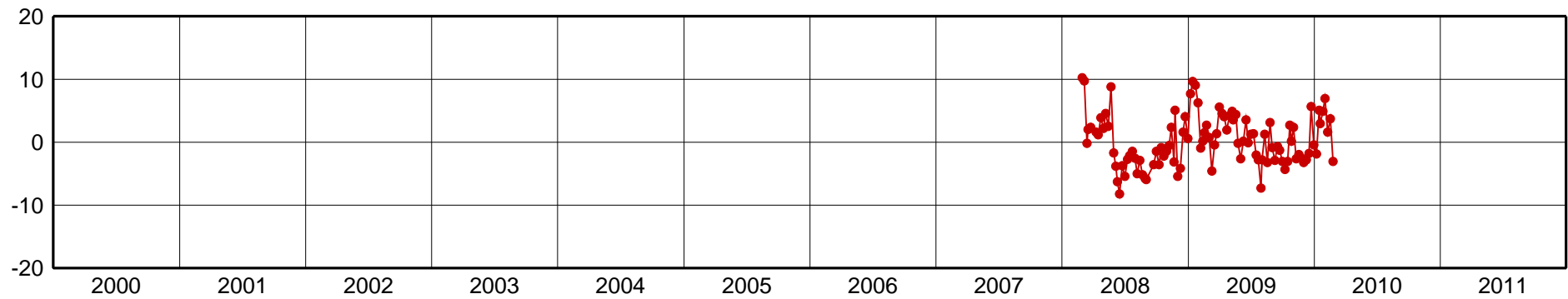
○ SIRGAS Analysis Centre at DGFI



UYRO-East Component [mm]

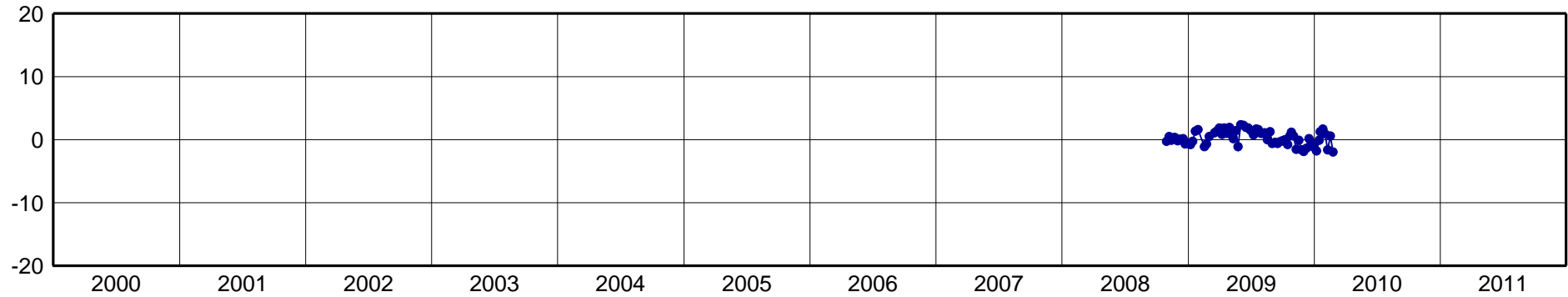


UYRO-Up Component [mm]

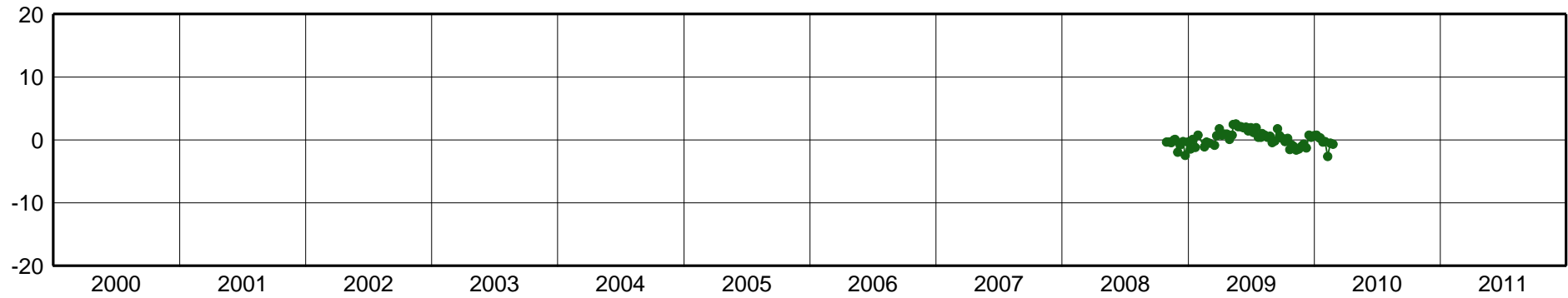


UYTA-North Component [mm]

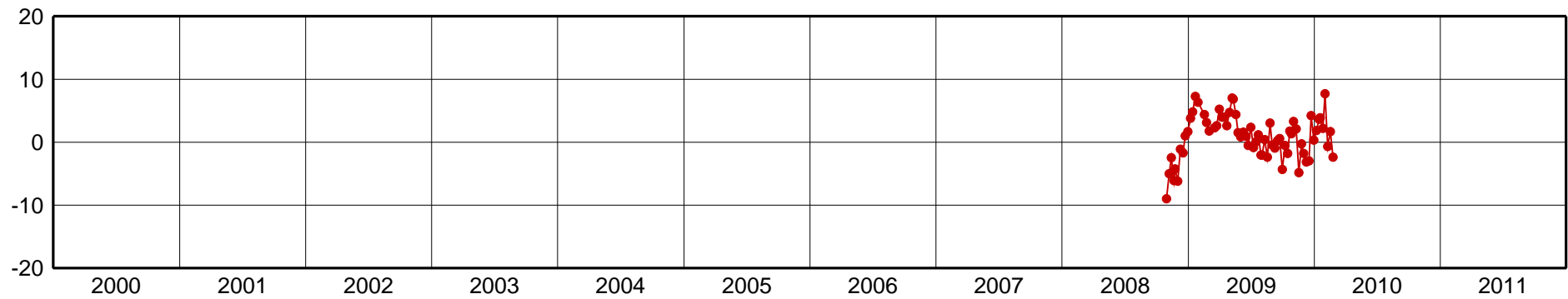
○ SIRGAS Analysis Centre at DGFI



UYTA-East Component [mm]

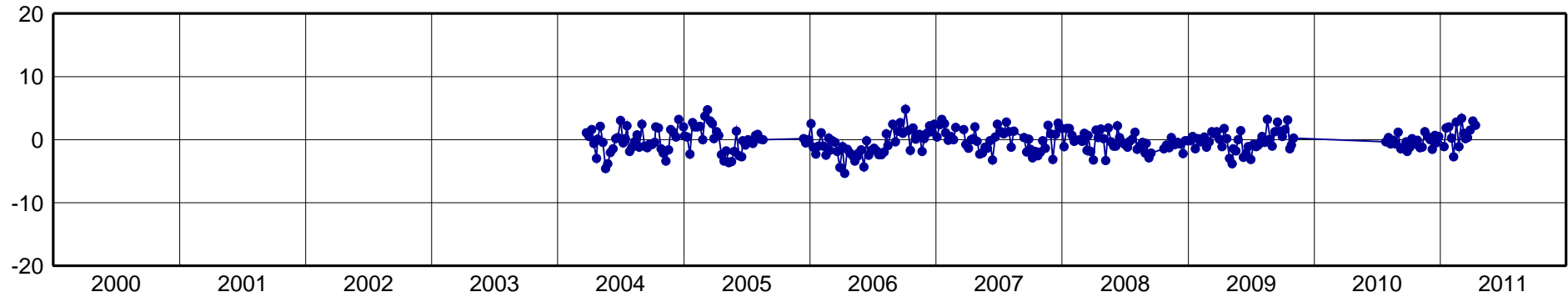


UYTA-Up Component [mm]

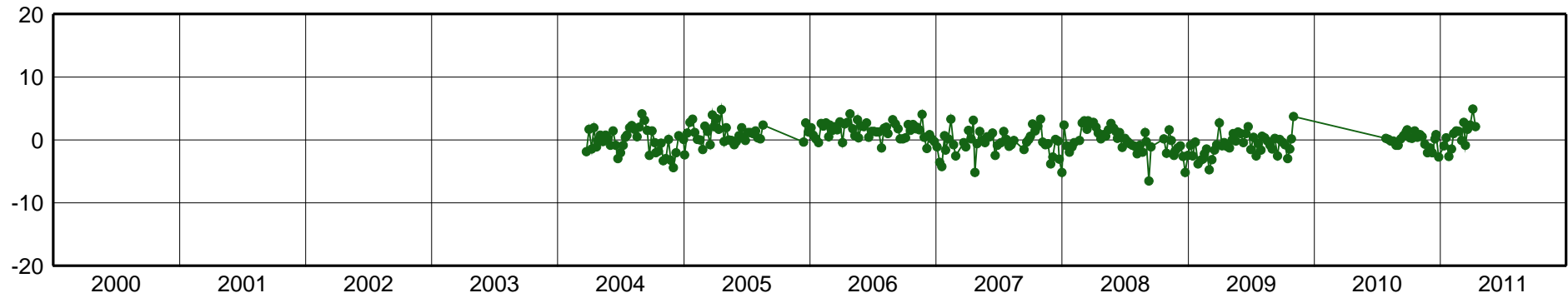


VALL-North Component [mm]

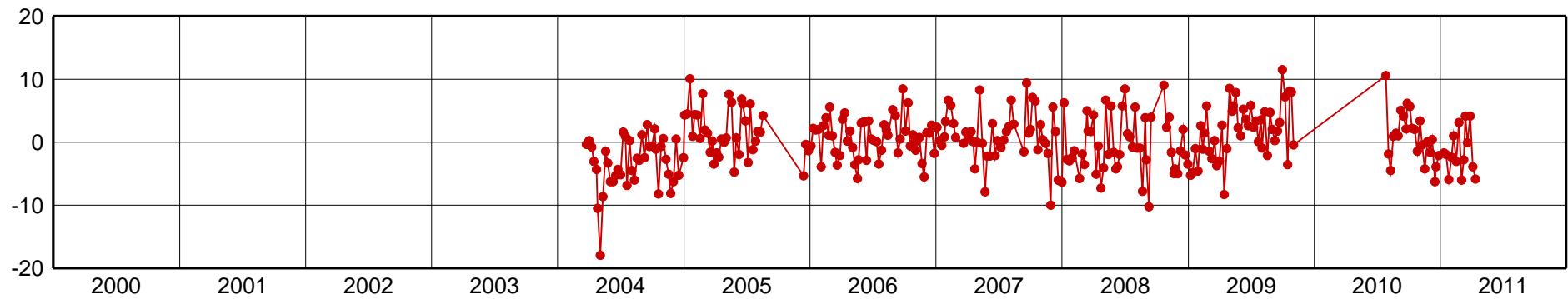
○ SIRGAS Analysis Centre at DGFI



VALL-East Component [mm]

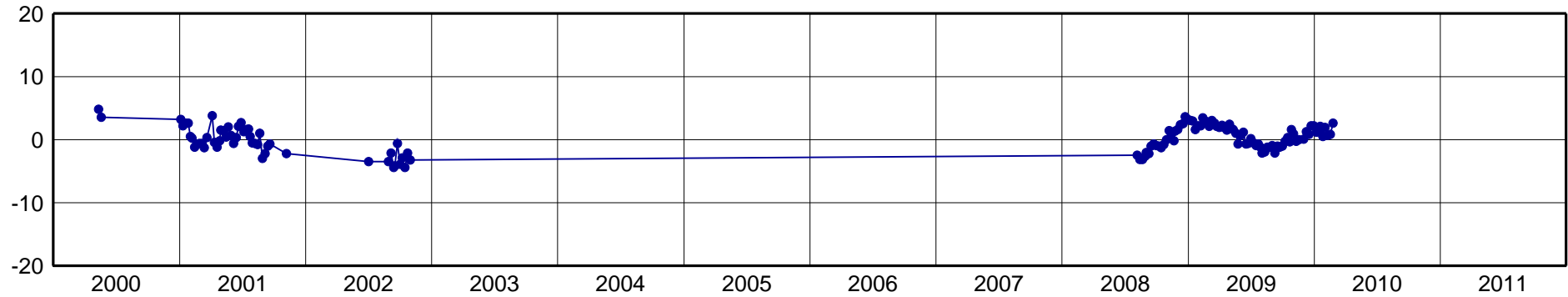


VALL-Up Component [mm]

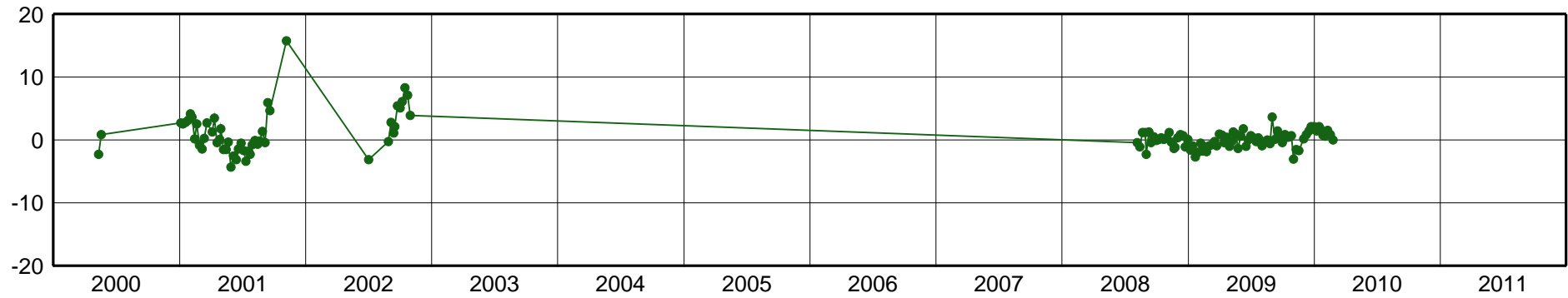


VALP-North Component [mm]

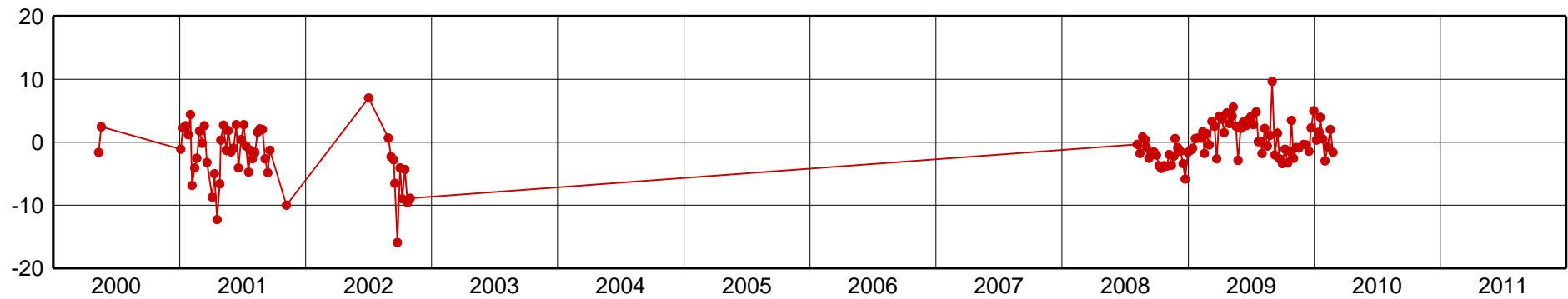
○ SIRGAS Analysis Centre at DGFI



VALP-East Component [mm]



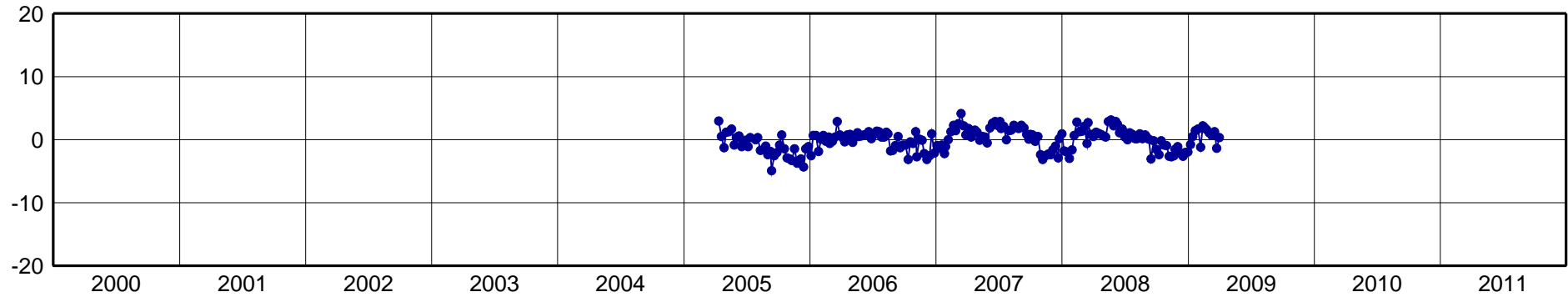
VALP-Up Component [mm]



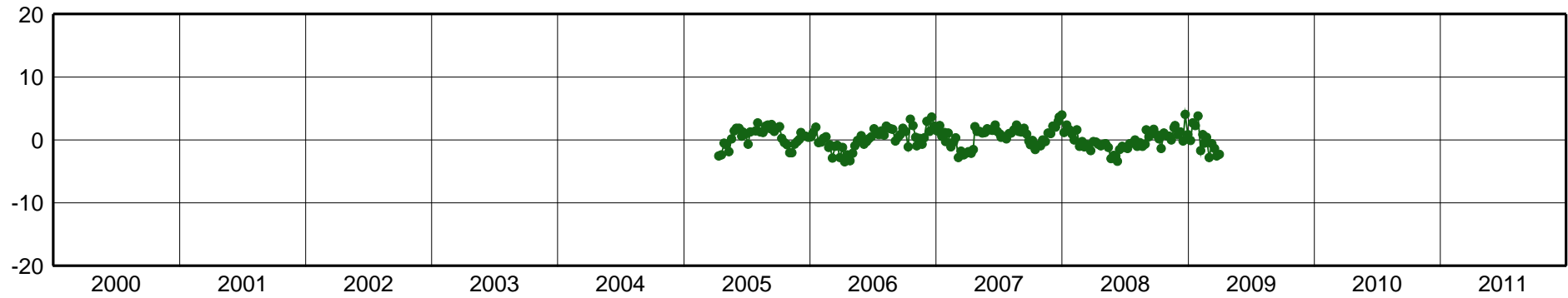


VARG-North Component [mm]

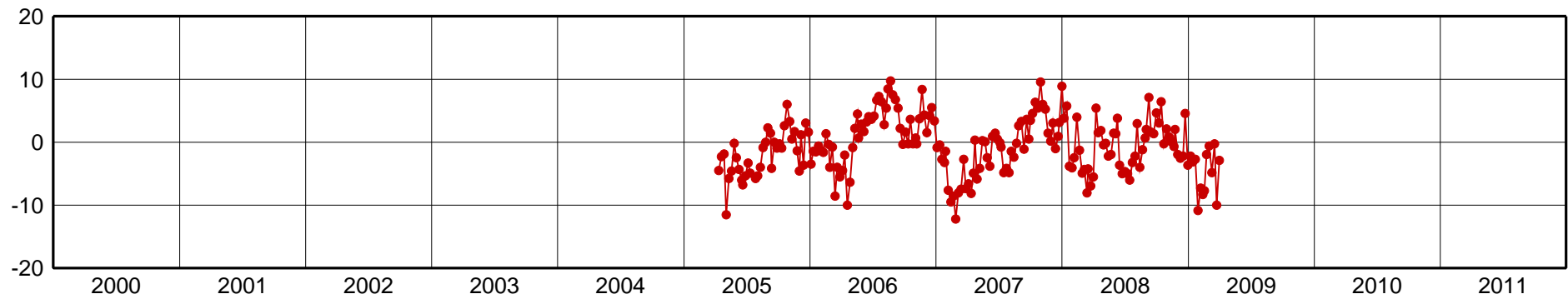
○ SIRGAS Analysis Centre at DGFI



VARG-East Component [mm]

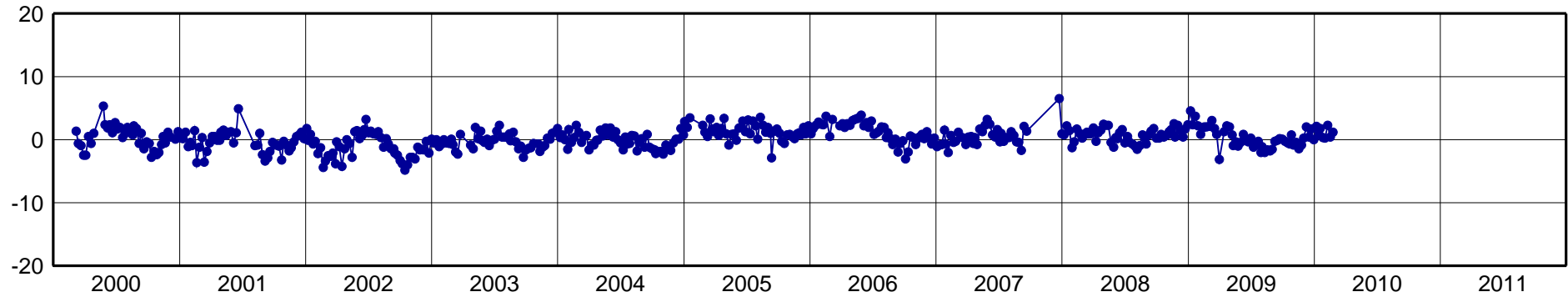


VARG-Up Component [mm]

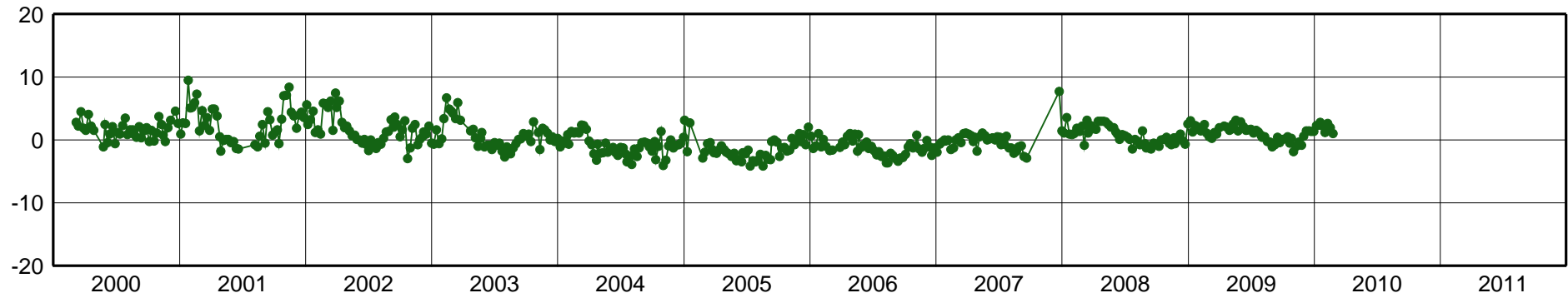


VBCA-North Component [mm]

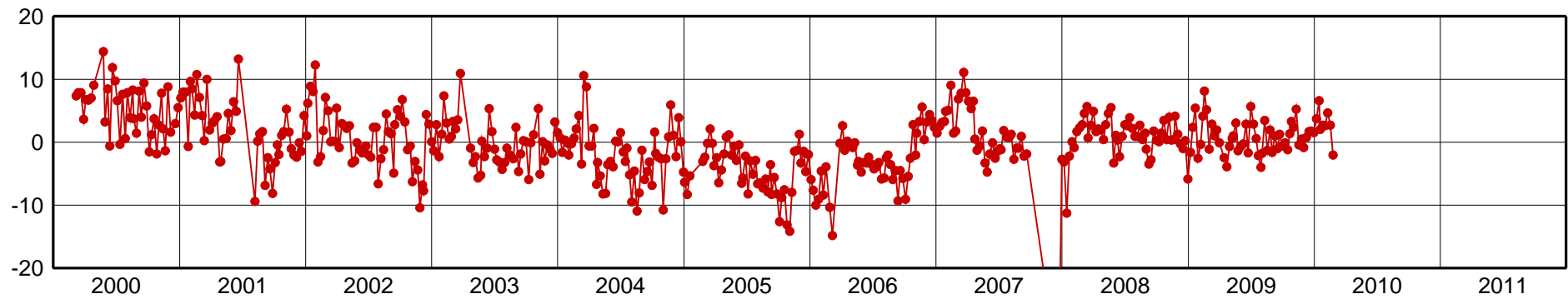
○ SIRGAS Analysis Centre at DGFI



VBCA-East Component [mm]



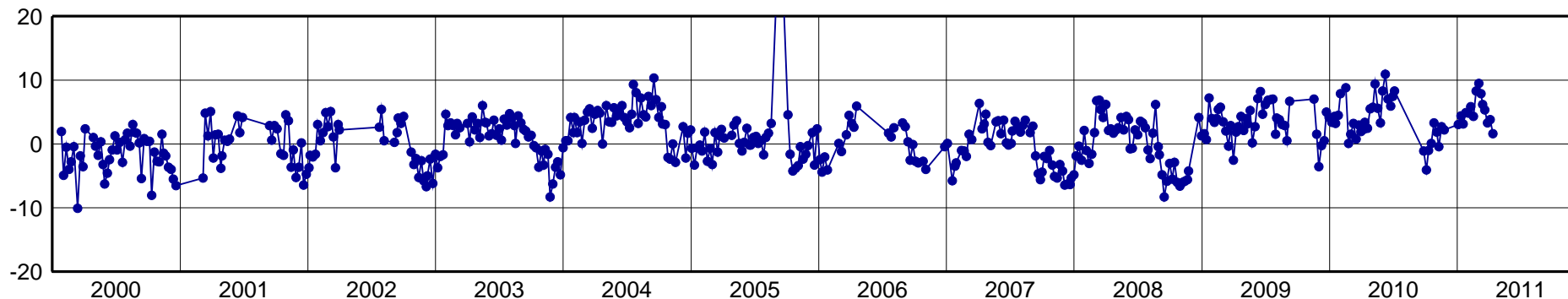
VBCA-Up Component [mm]



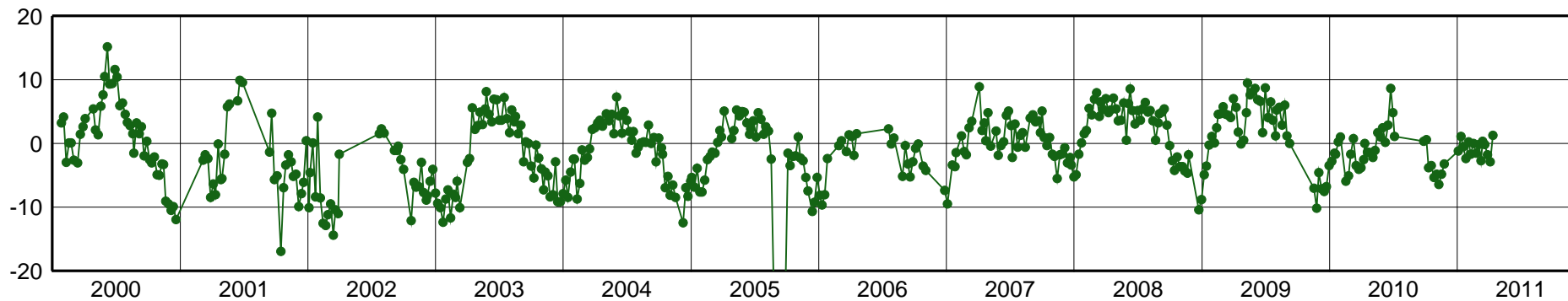
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VESL-North Component [mm]

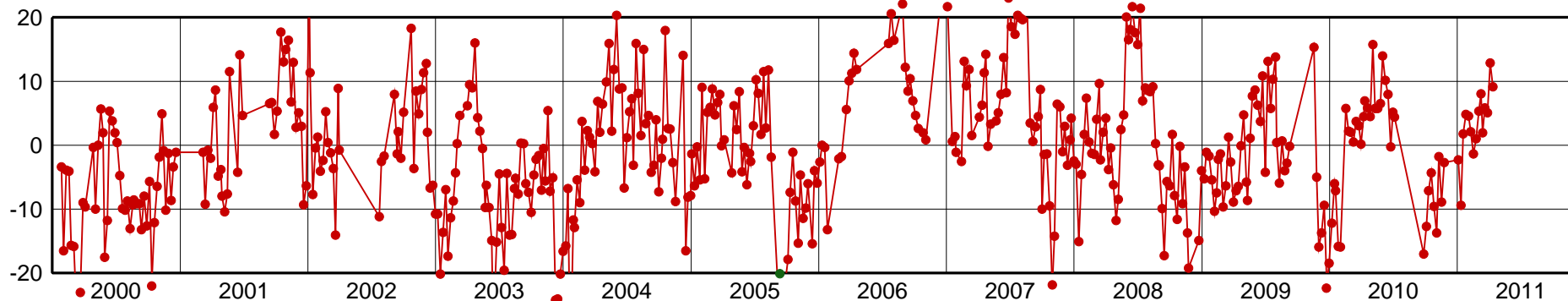
○ SIRGAS Analysis Centre at DGFI



VESL-East Component [mm]

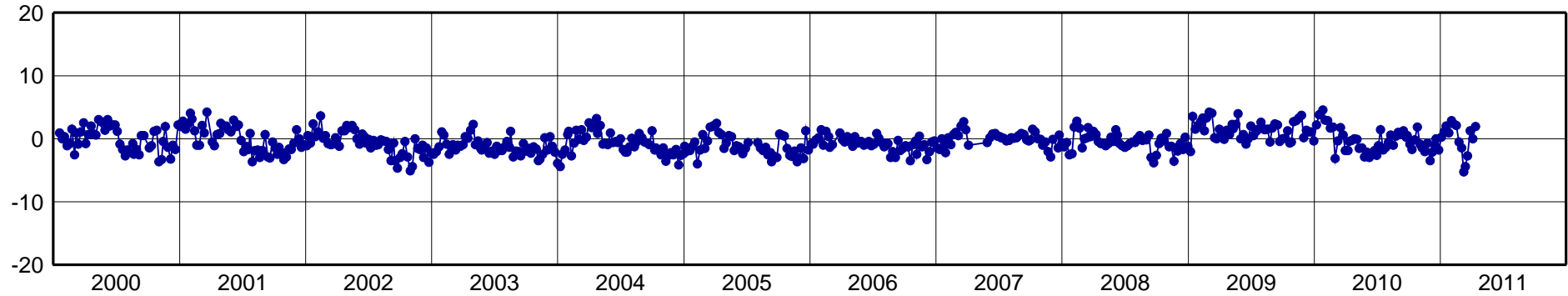


VESL-Up Component [mm]

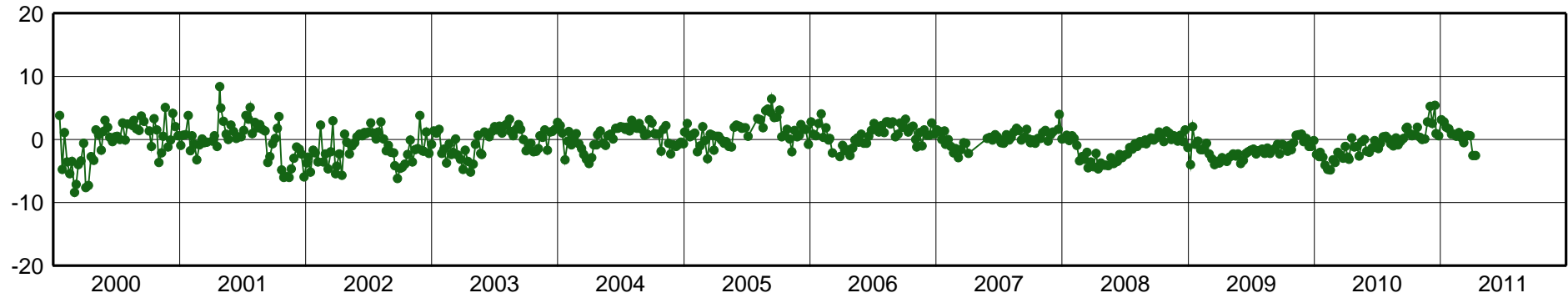


VICO-North Component [mm]

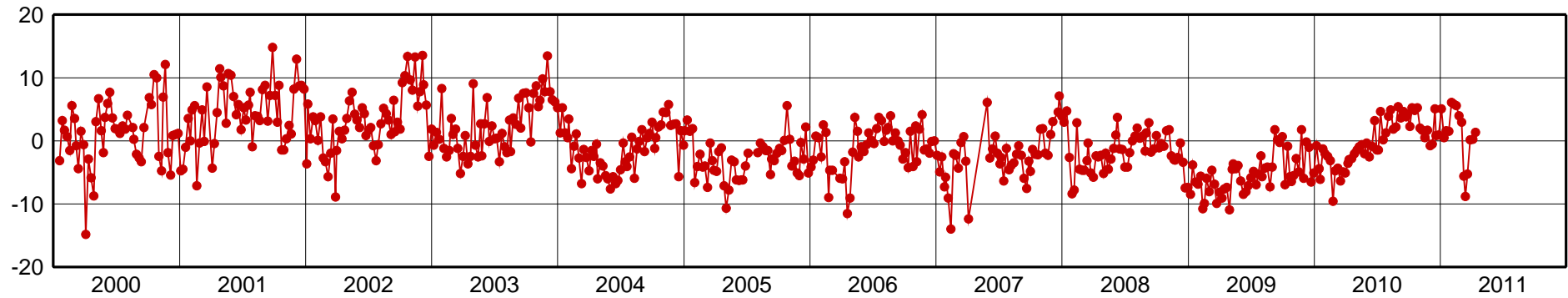
○ SIRGAS Analysis Centre at DGFI



VICO-East Component [mm]

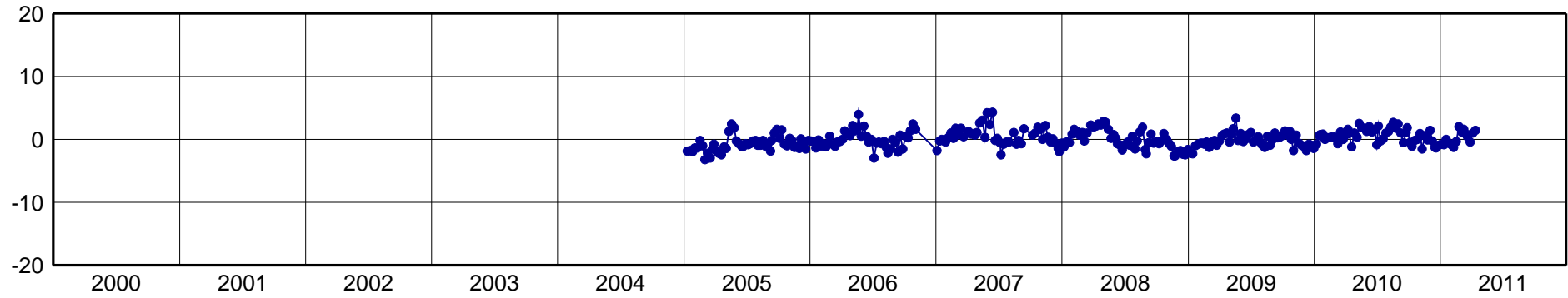


VICO-Up Component [mm]

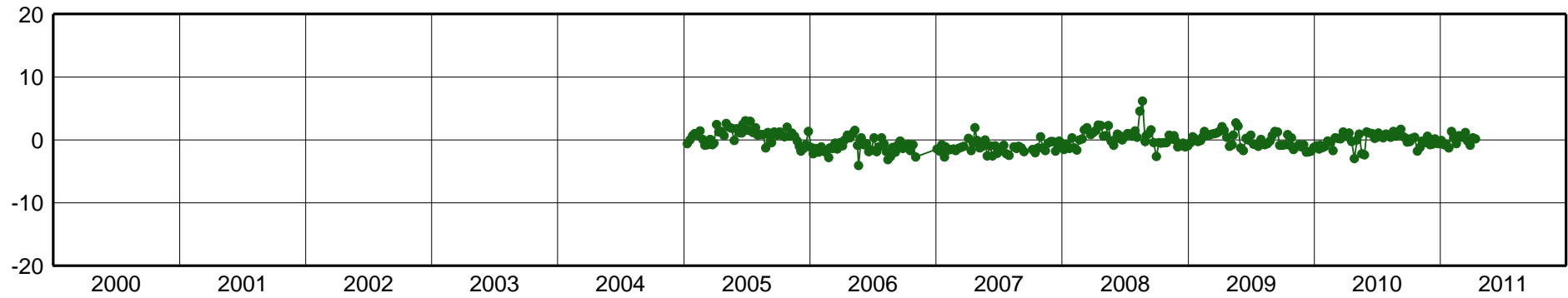


VIL2-North Component [mm]

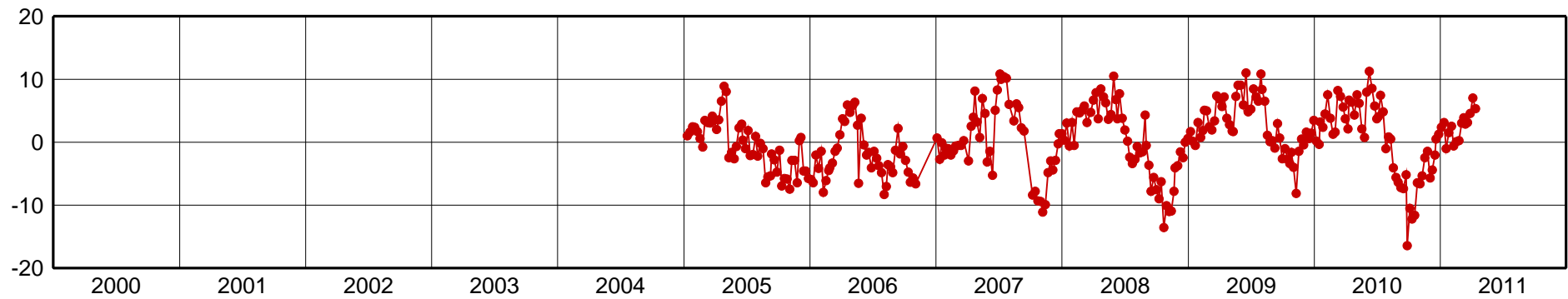
○ SIRGAS Analysis Centre at DGFI



VIL2-East Component [mm]

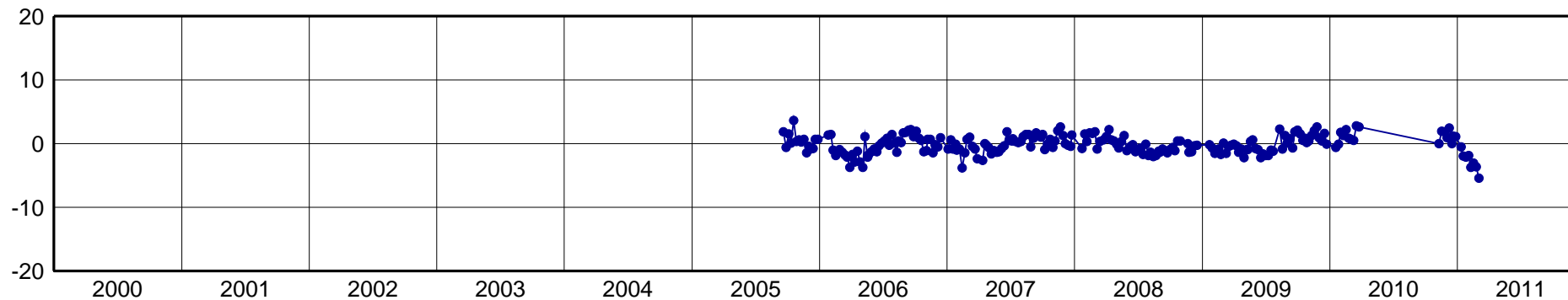


VIL2-Up Component [mm]

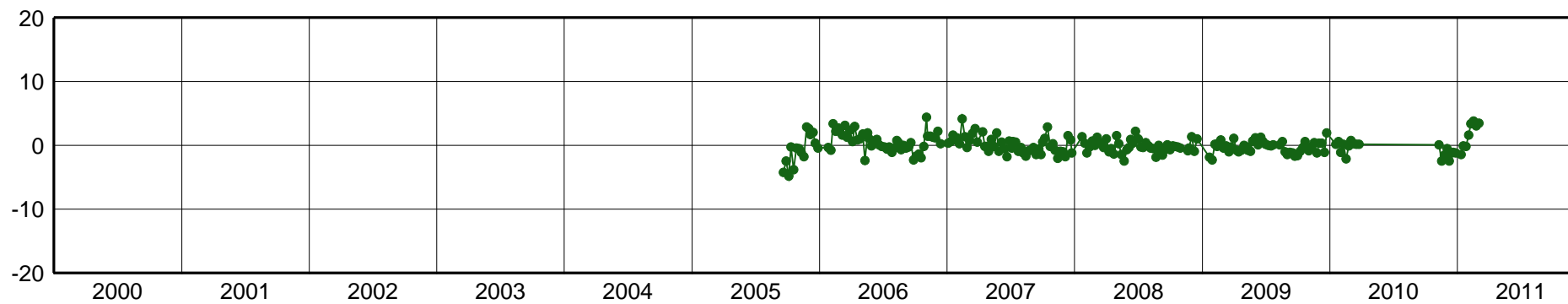


VIVI-North Component [mm]

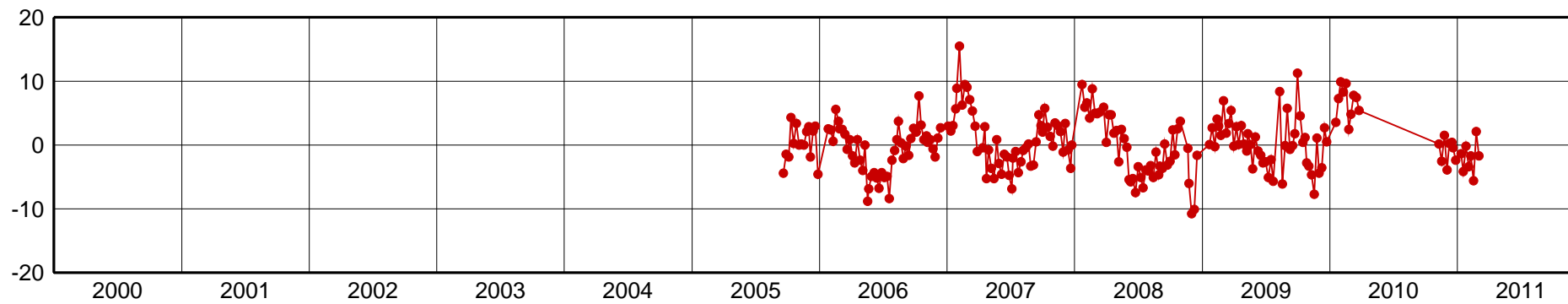
○ SIRGAS Analysis Centre at DGFI



VIVI-East Component [mm]

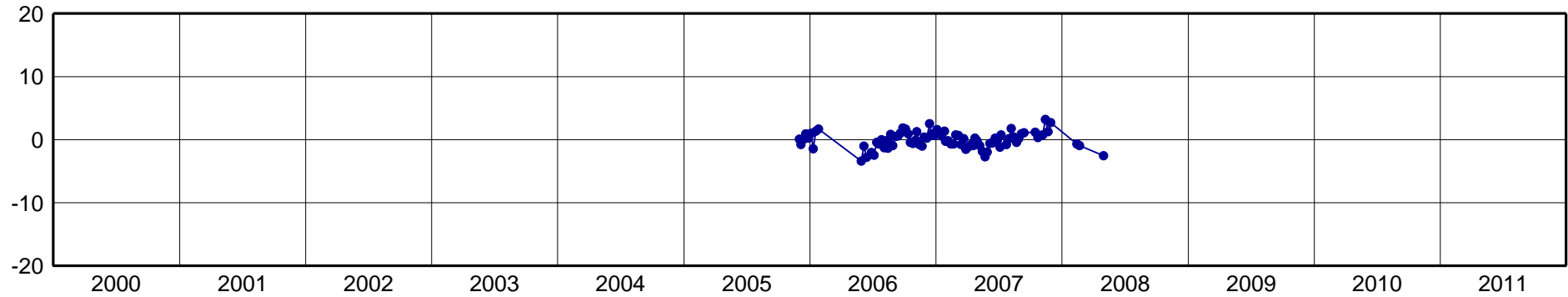


VIVI-Up Component [mm]

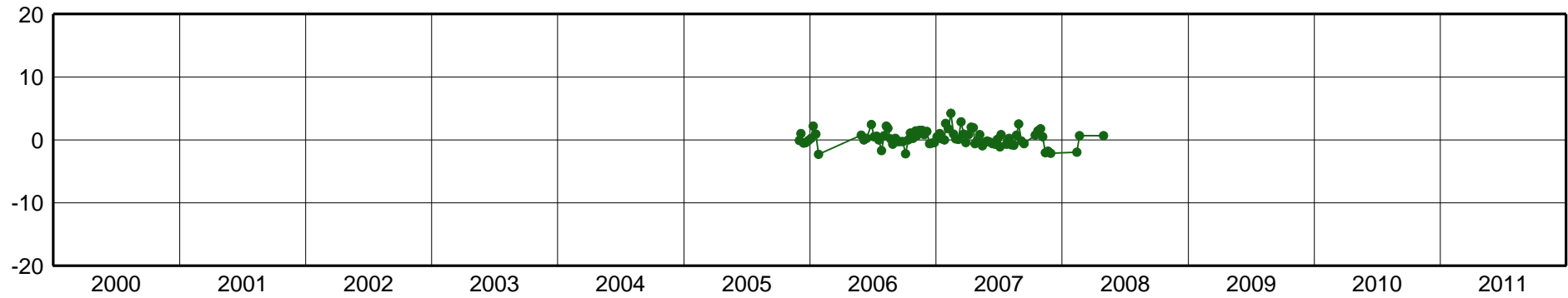


YOPA-North Component [mm]

○ SIRGAS Analysis Centre at DGFI



YOPA-East Component [mm]



YOPA-Up Component [mm]

