

Исследование особенностей многолетнего меридионального переноса скрытого тепла над Атлантикой с помощью спутникового радиотепловидения

Д.М. Ермаков, Е.А. Шарков, А.П. Чернушич

От мезомасштабных к синоптическим процессам

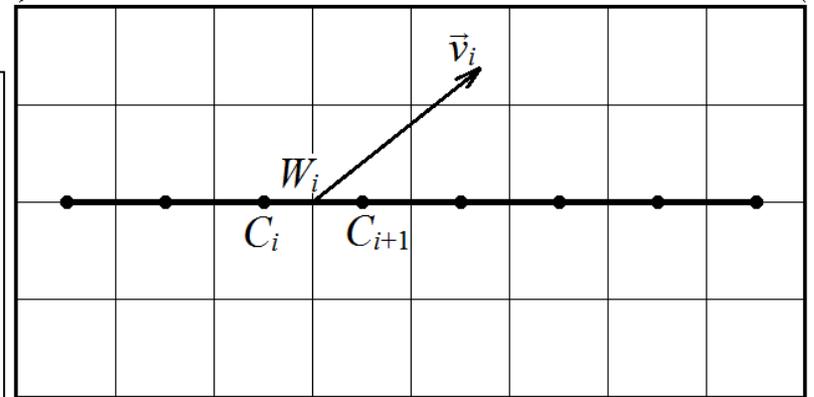
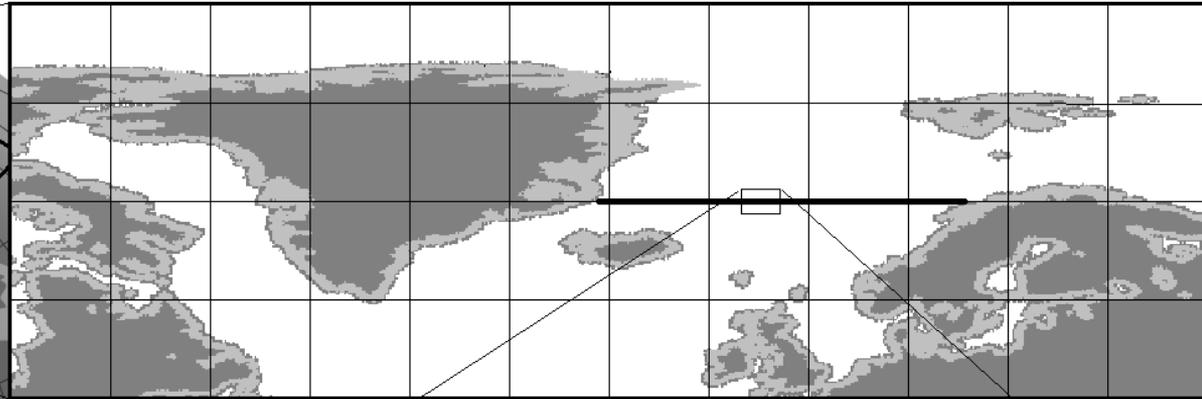
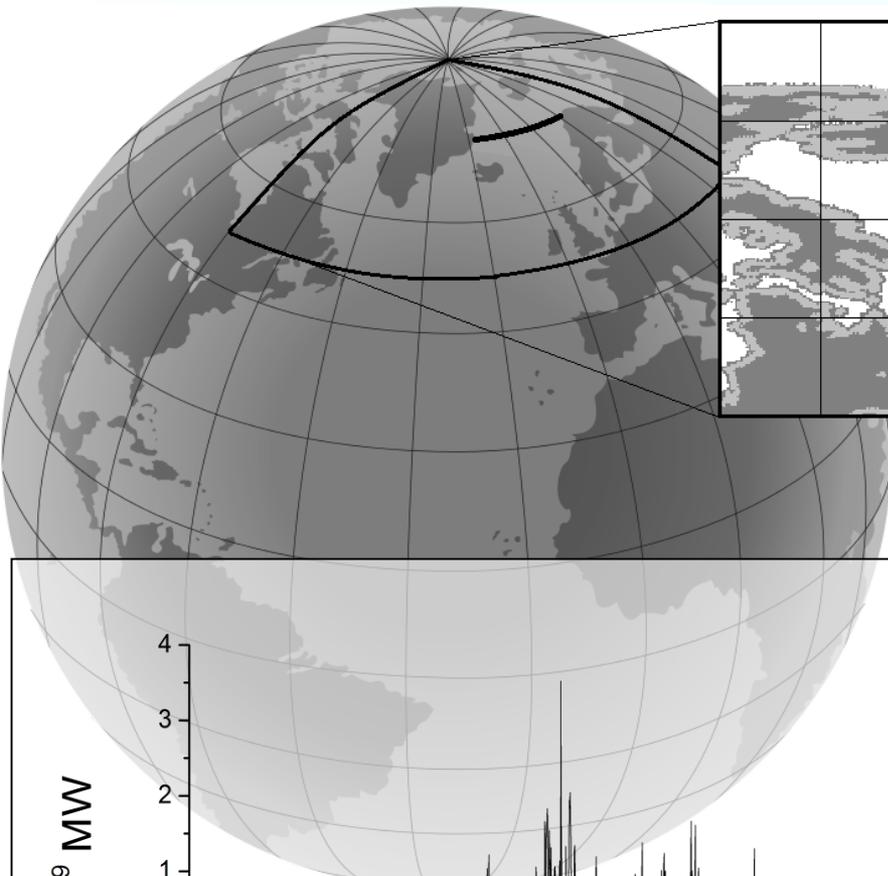
SSMIS F16	01	02	03	04	05	06	07	08	09	10	11	12
2003										v7	v7	v7
2004	v7											
2005	v7											
2006	v7											
2007	v7											
2008	v7											
2009	v7											
2010	v7											
2011	v7											
2012	v7	v7	v7	v7	v7	v7						
2013	v7	v7	v7	v7	v7	v7						
2014	v7	v7	v7	v7	v7	v7						
2015	v7	v7	v7	v7	v7	v7						

SSMIS F17	01	02	03	04	05	06
2006						
2007	v7	v7	v7	v7	v7	v7
2008	v7	v7	v7	v7	v7	v7
2009	v7	v7	v7	v7	v7	v7
2010	v7	v7	v7	v7	v7	v7
2011	v7	v7	v7	v7	v7	v7
2012	v7	v7	v7	v7	v7	v7
2013	v7	v7	v7	v7	v7	v7
2014	v7	v7	v7	v7	v7	v7
2015	v7	v7	v7	v7	v7	v7

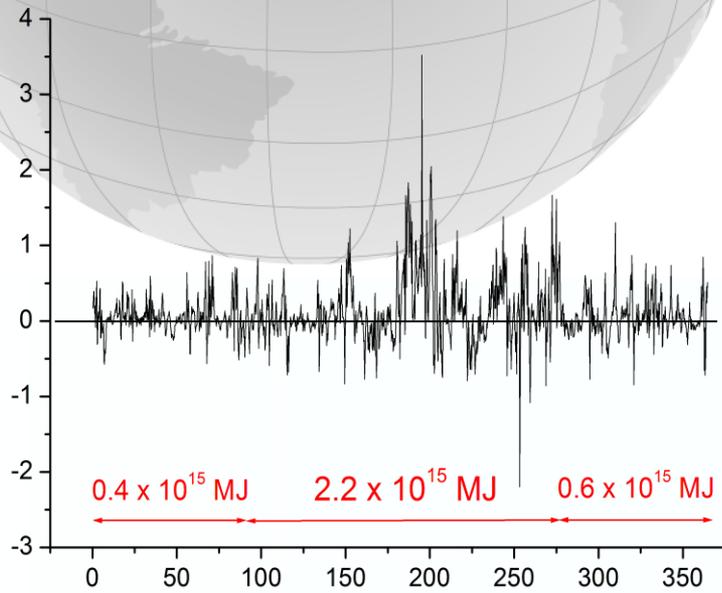
WindSat	01	02	03	04	05	06	07	08	09	10	11	12
2003		v7	v7	v7	v7	v7						
2004	v7											
2005	v7	v7				v7						
2006	v7											
2007	v7	v7	v7	v7	v7	v7		v7	v7	v7	v7	v7
2008	v7											
2009	v7											
2010	v7											
2011	v7											
2012	v7											
2013	v7											
2014	v7											
2015	v7	v7	v7	v7	v7	v7						

Спутник	Прибор	Интервал времени
DMSP F13	SSM/I	01.01.2004 – 04.11.2009
DMSP F14	SSM/I	01.01.2004 – 08.08.2008
DMSP F15	SSM/I	01.01.2004 – 14.08.2006, ...
DMSP F16	SSMIS	01.01.2004 – 01.01.2015
DMSP F17	SSMIS	14.12.2006 – 01.01.2015
<u>Coriolis</u>	<u>WindSat</u>	01.01.2004 – 01.01.2015
Aqua	AMSR-E	Фрагменты 2009, 2010

Синоптические процессы

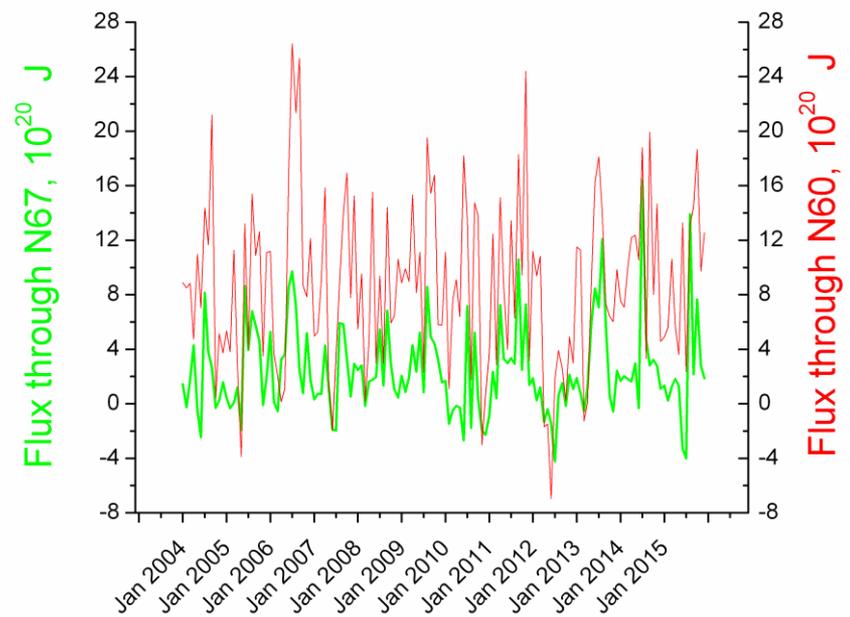
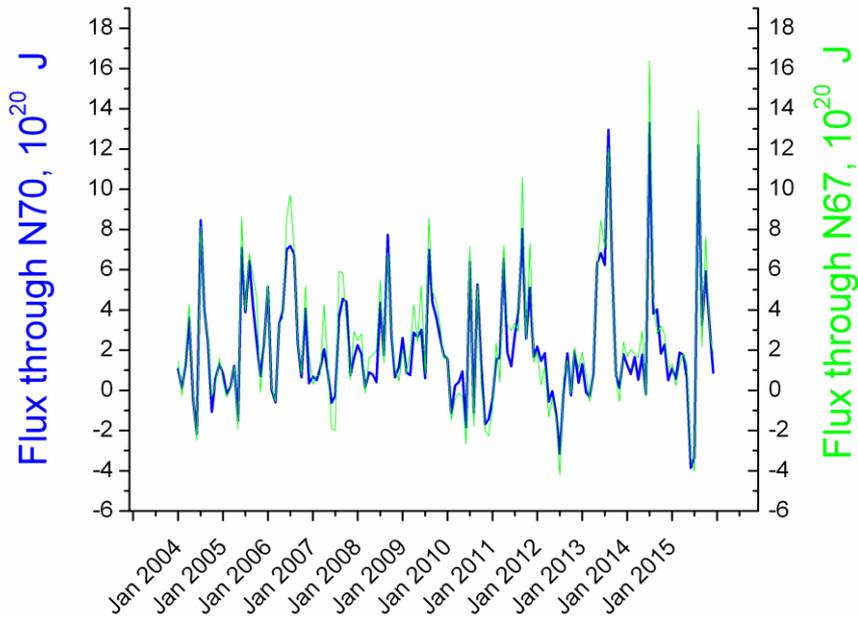
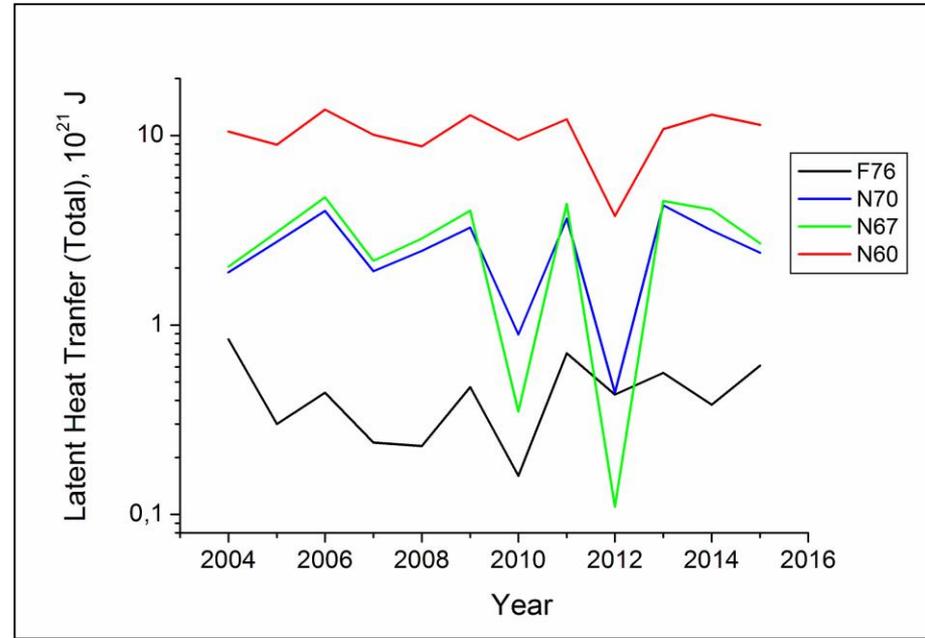


$Q, 10^9 \text{ MW}$



Days of year 2014

Погода и климат Арктики

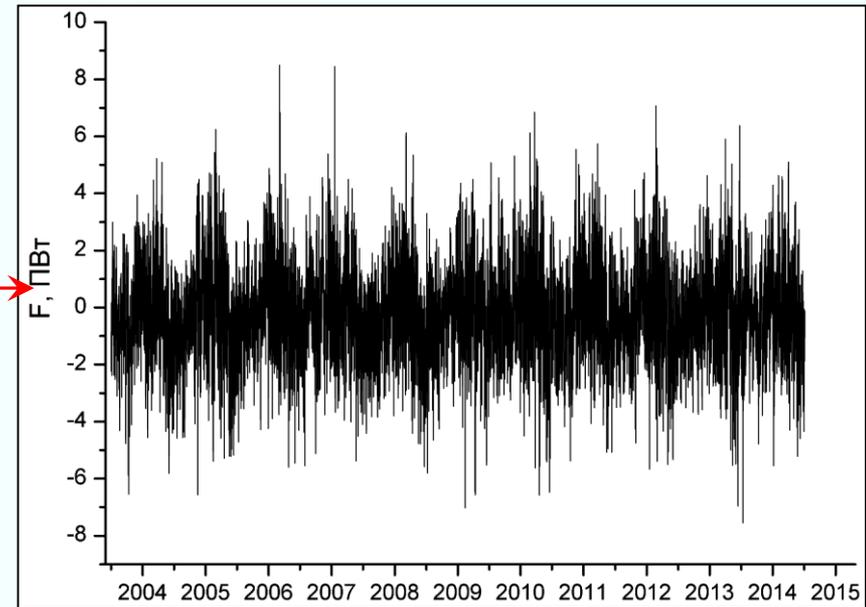
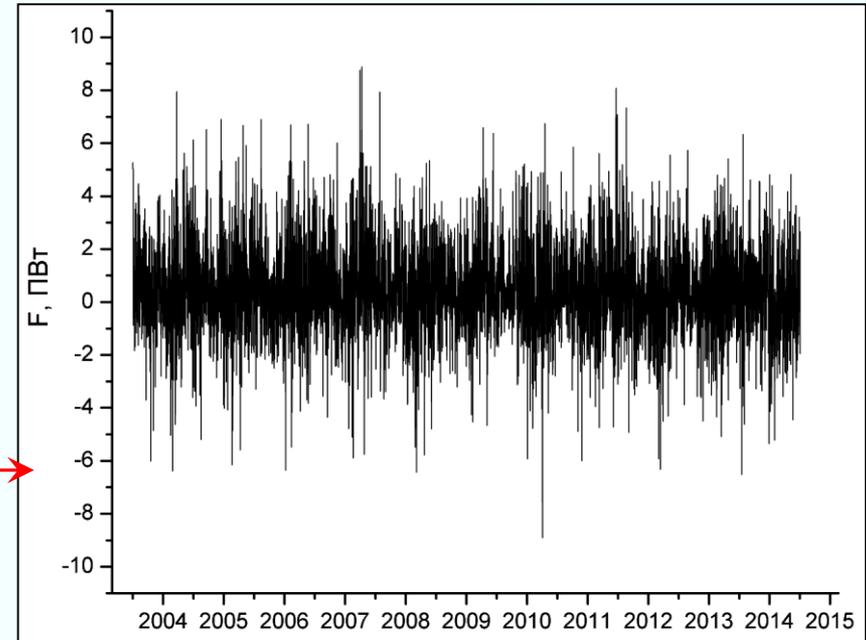
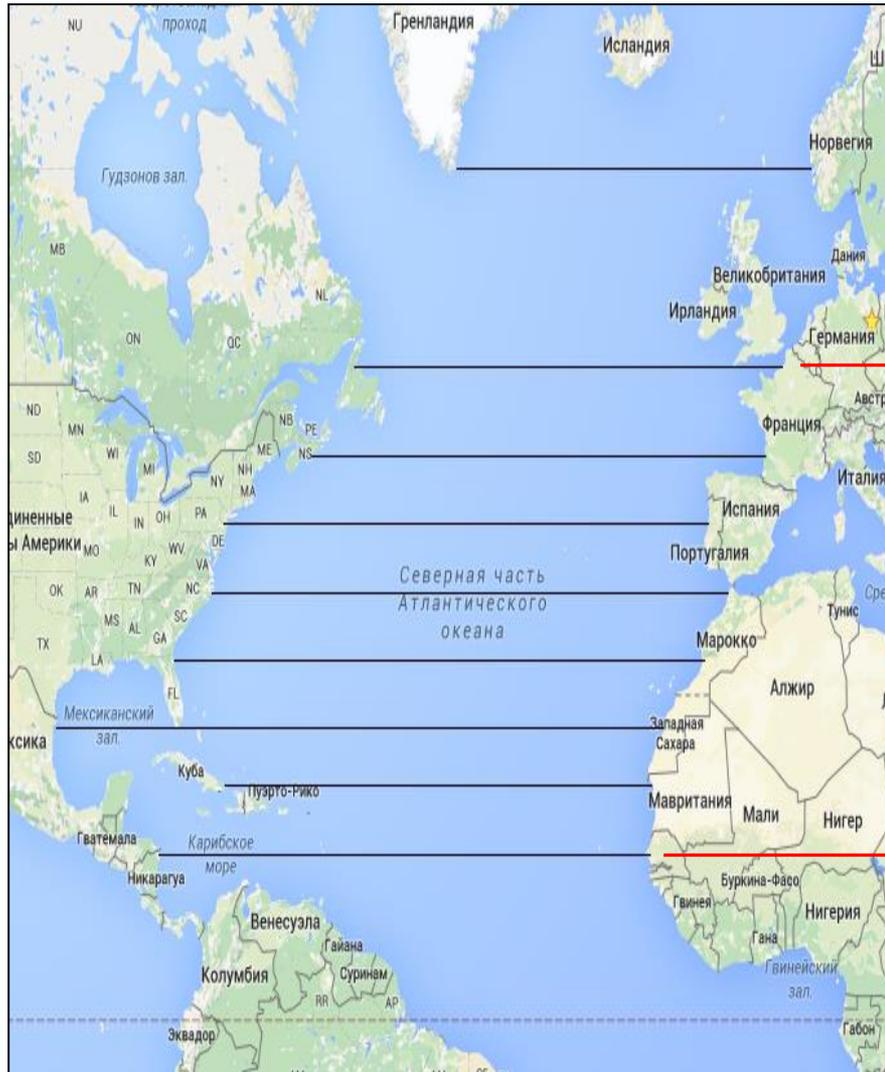


Северная Атлантика: 2004 – 2014

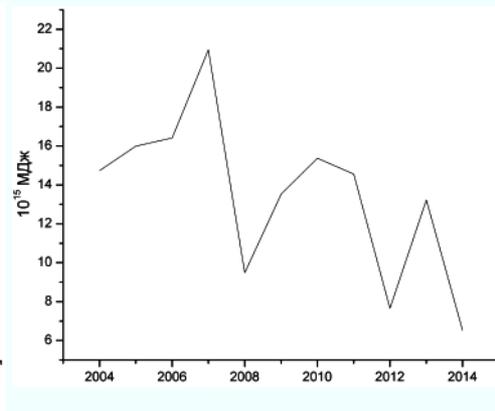
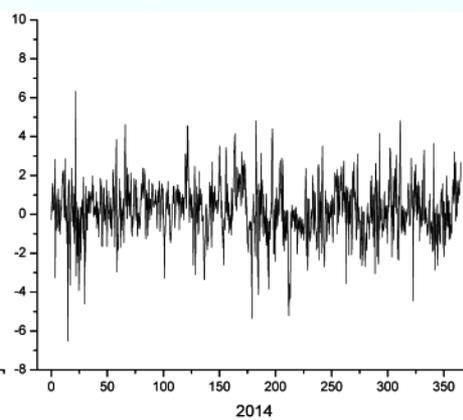
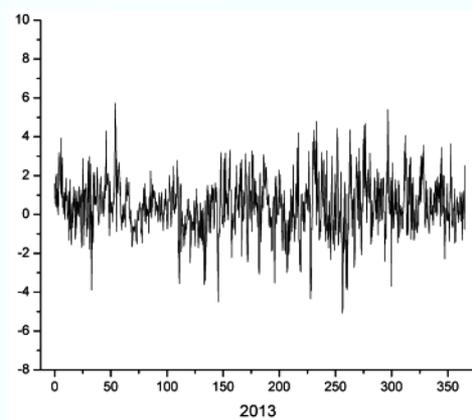
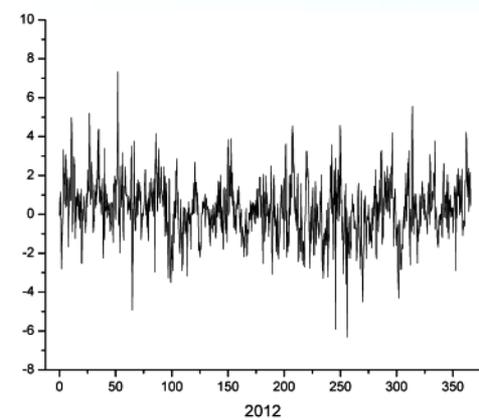
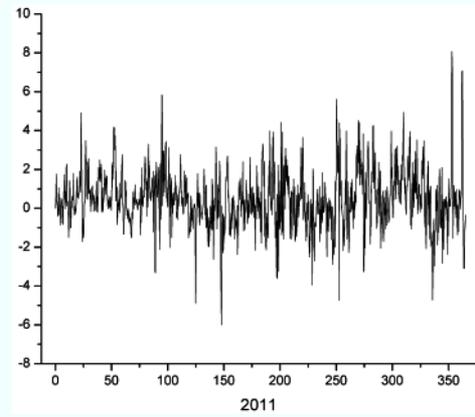
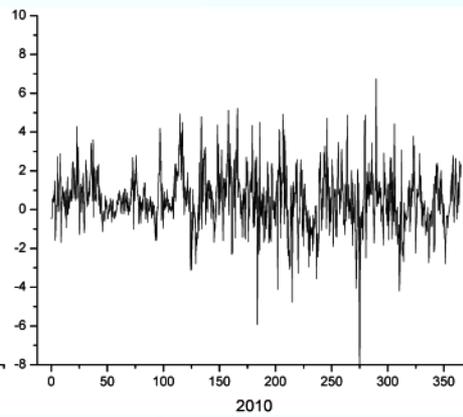
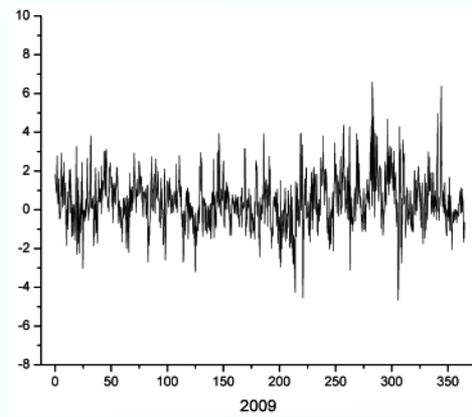
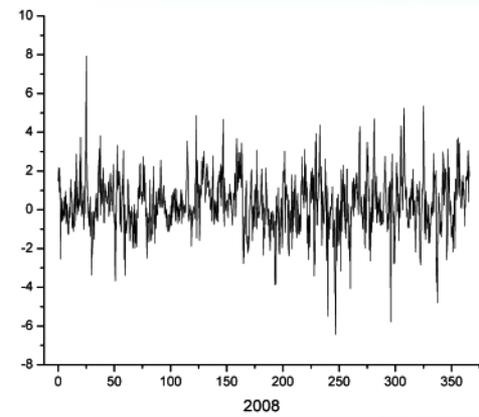
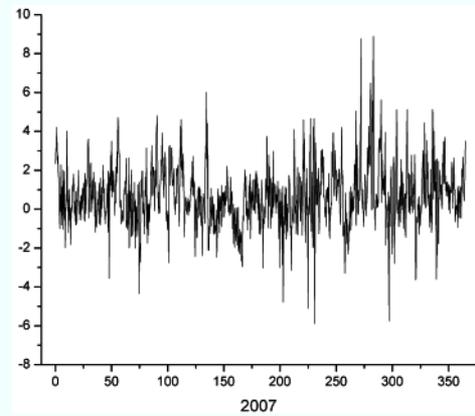
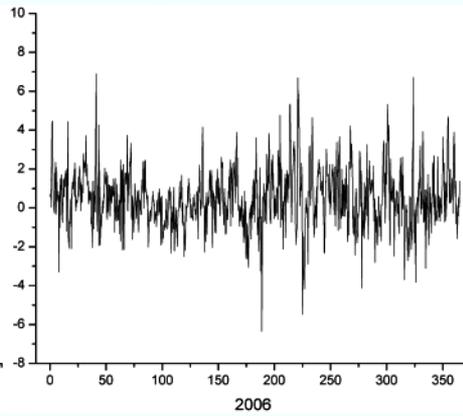
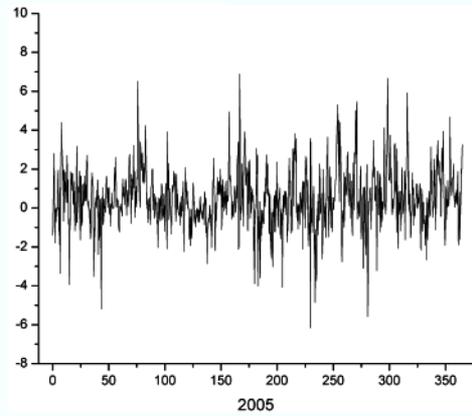
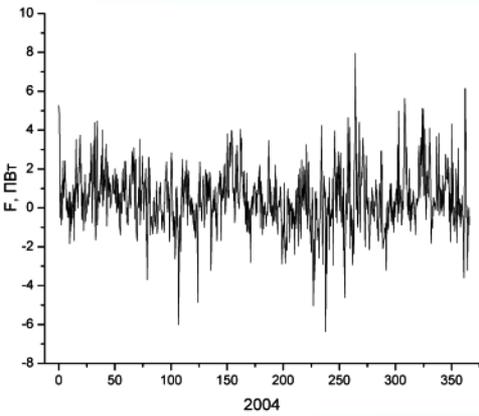
№	Идентификатор	Положение	Комментарий
1	F80	80N 16W 10E	Через пролив Фрэнк на широте 80N
2	F76		
3	N70		
4	N67		
5	N60		
6	A50		
7	A45		
8	A40		
9	A35		
10	A30		
11	A25		
12	A20		
13	A15		



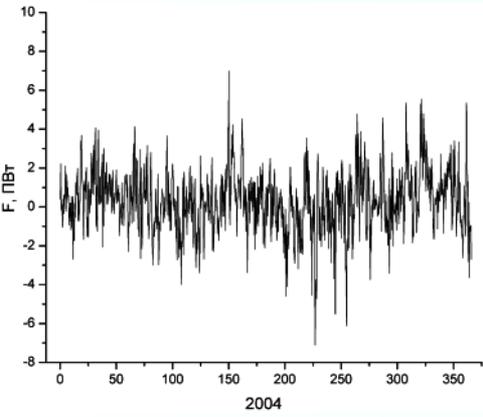
Потоки скрытого тепла: многолетний ход



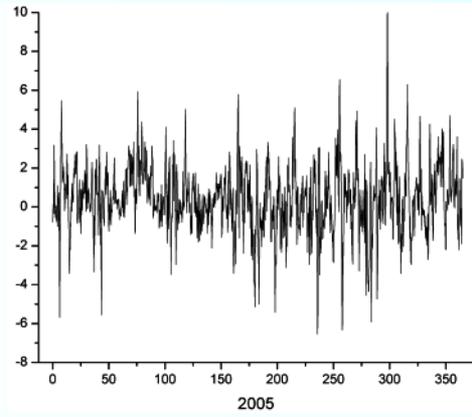
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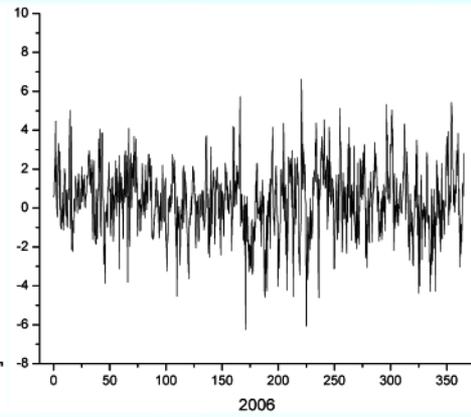
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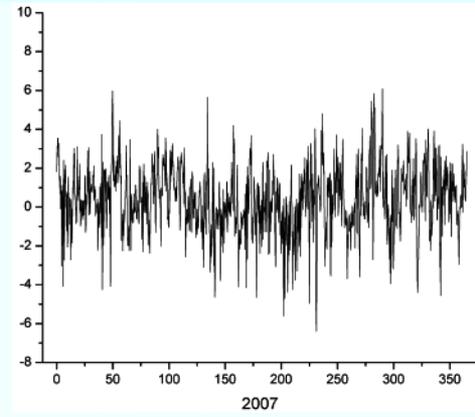
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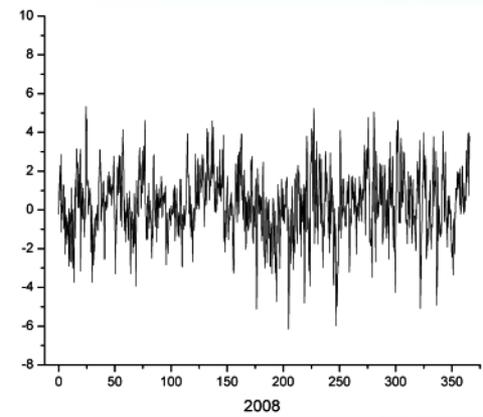
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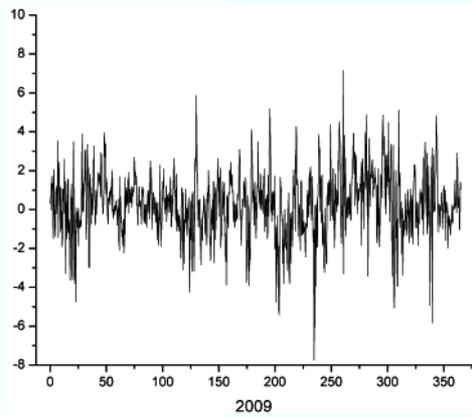
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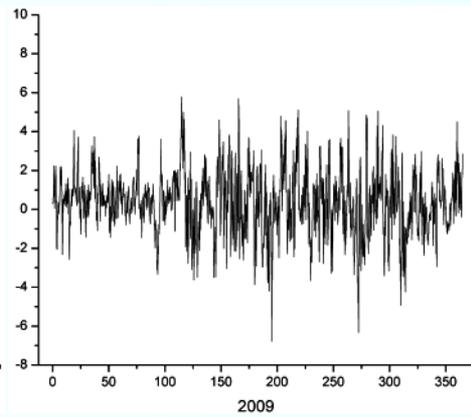
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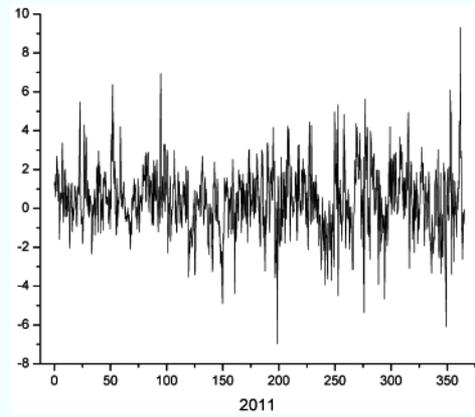
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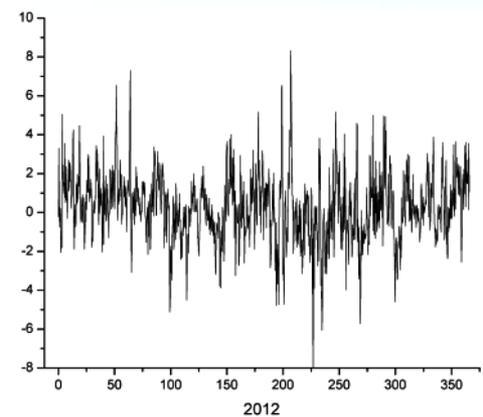
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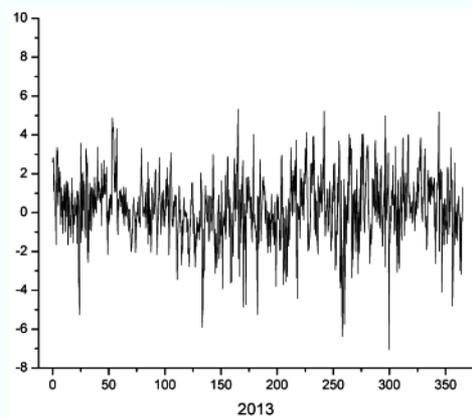
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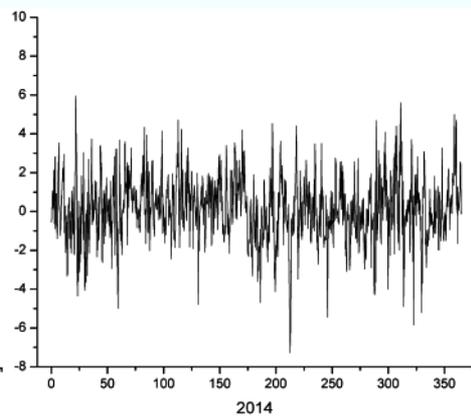
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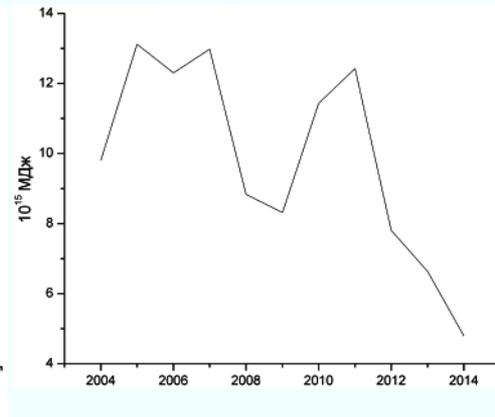
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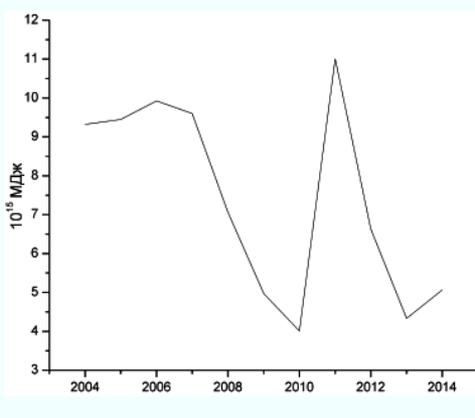
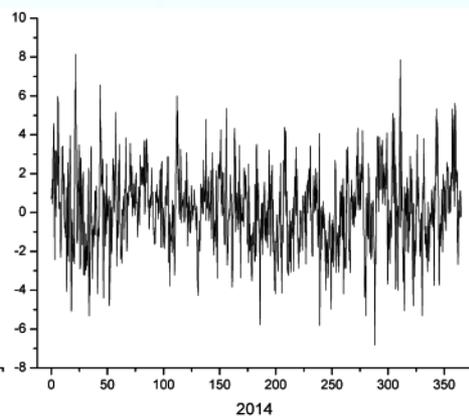
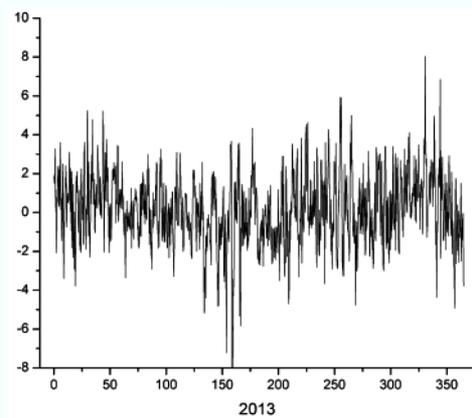
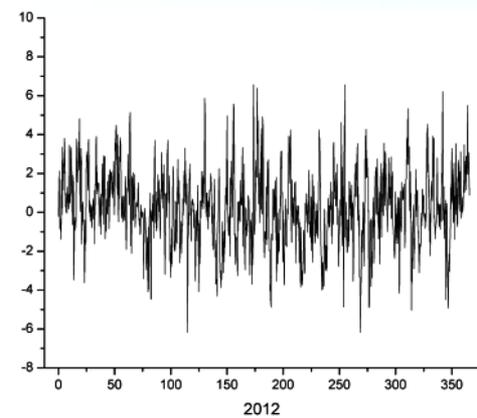
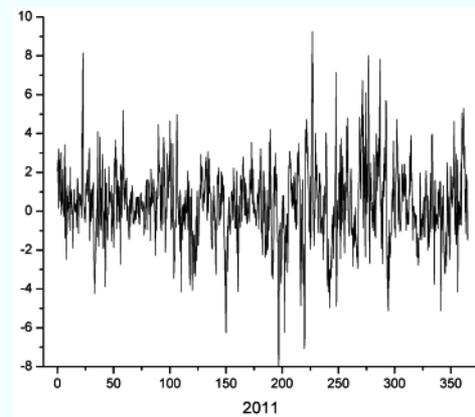
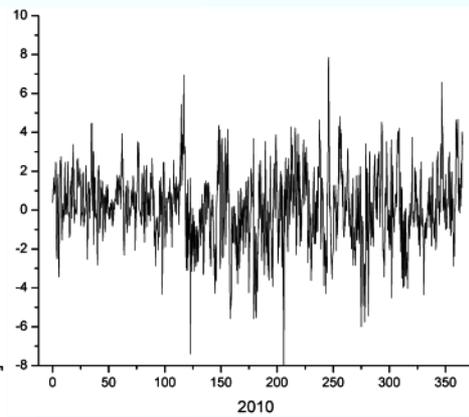
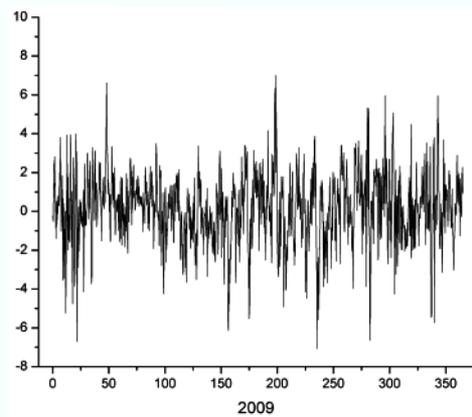
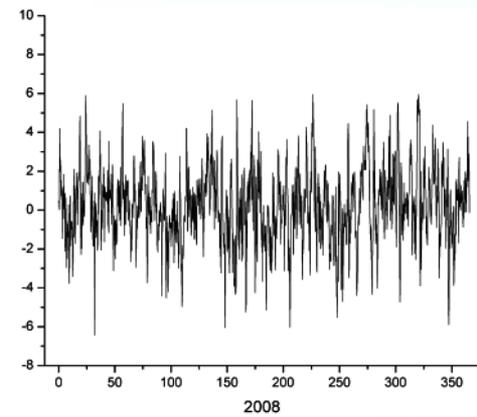
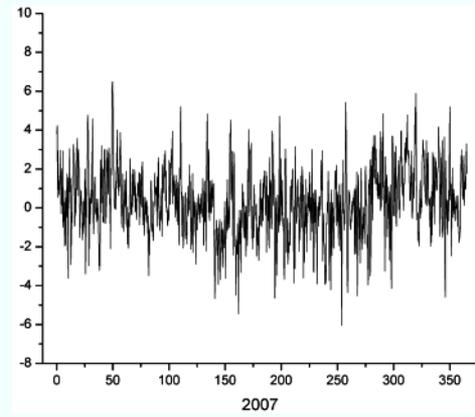
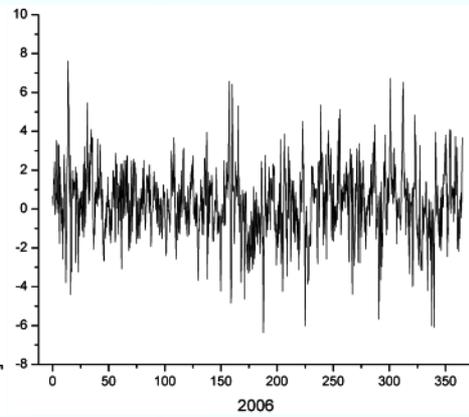
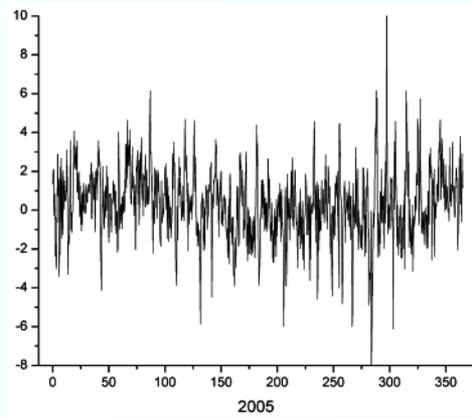
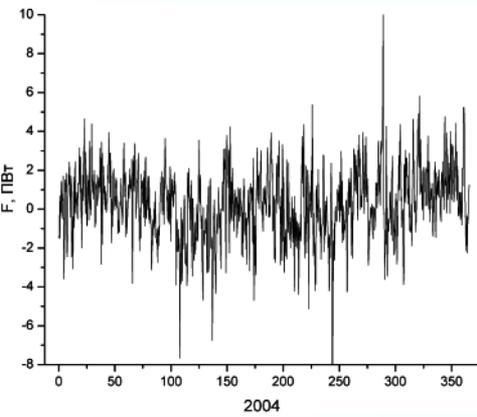
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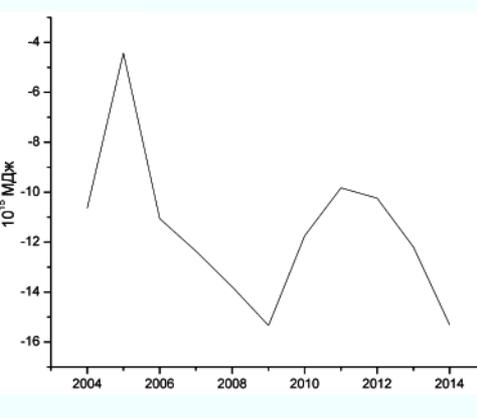
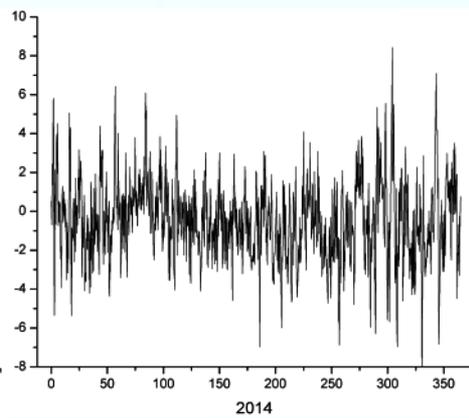
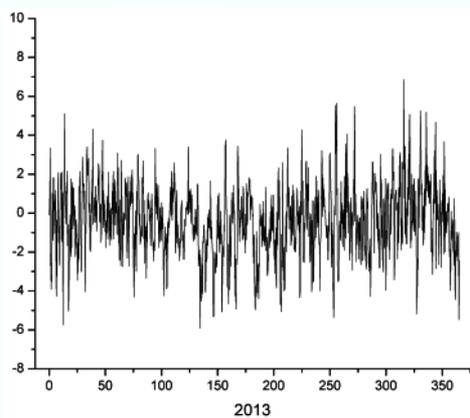
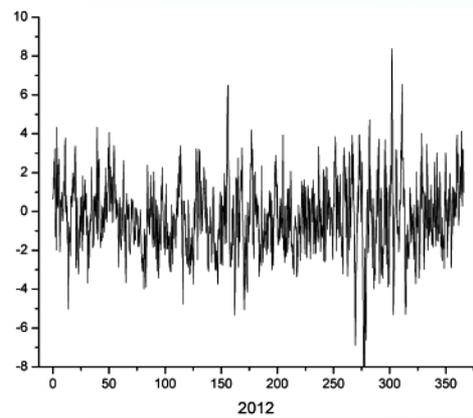
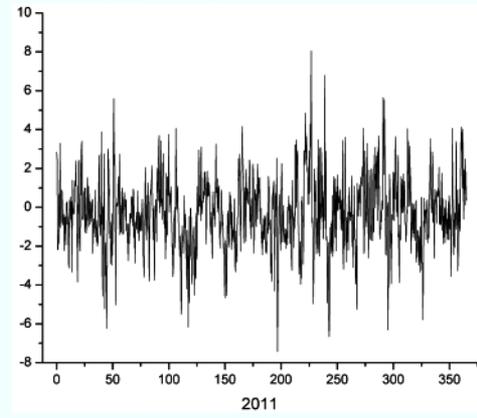
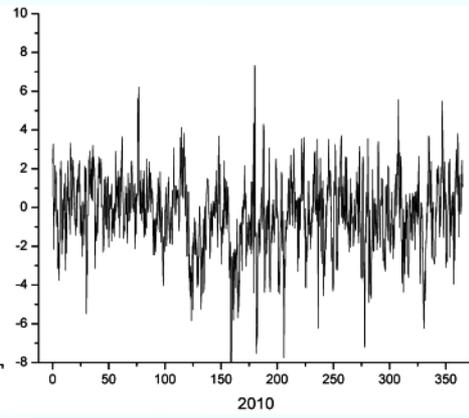
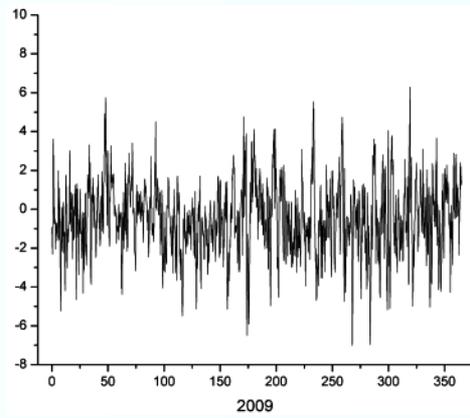
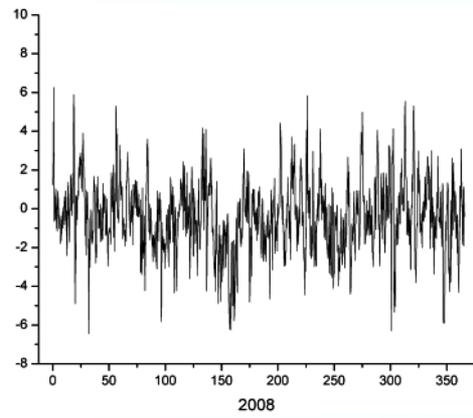
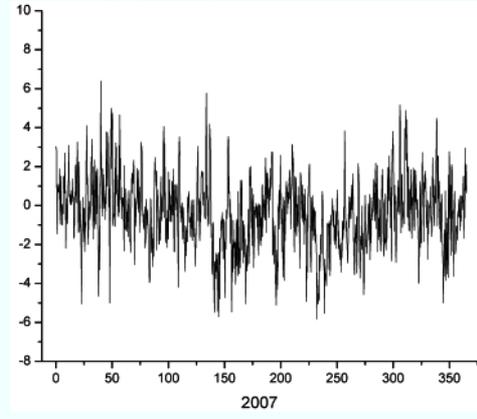
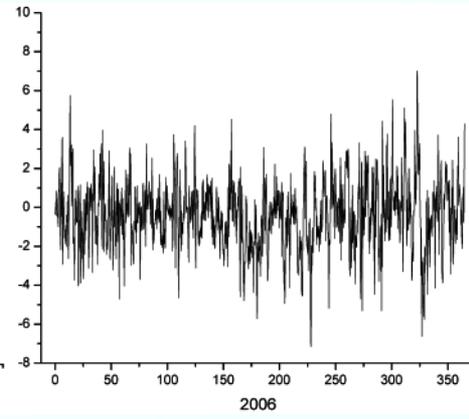
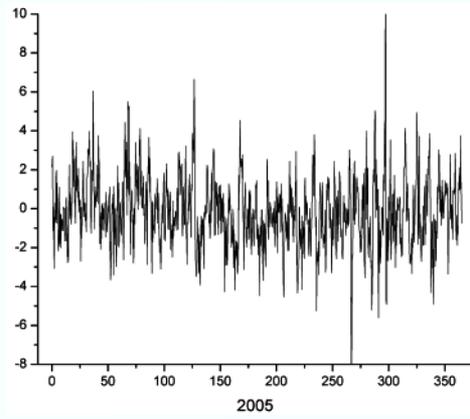
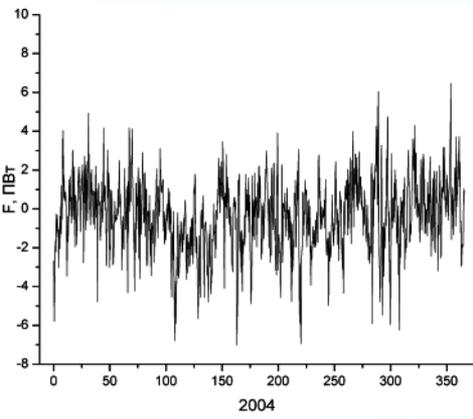
2014



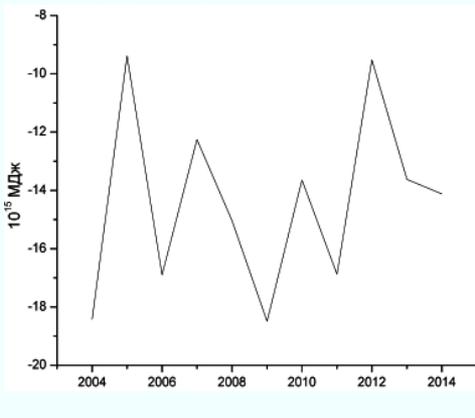
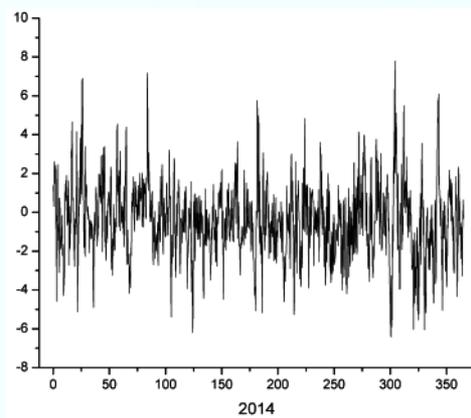
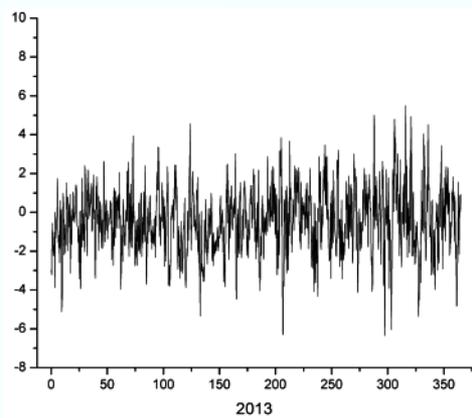
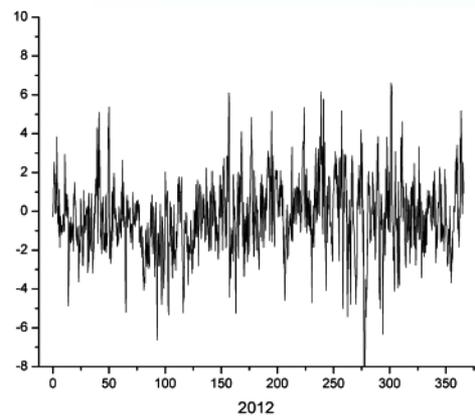
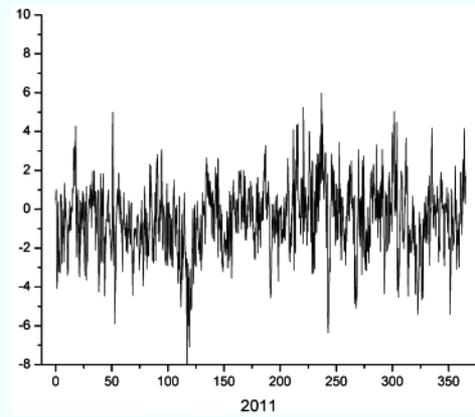
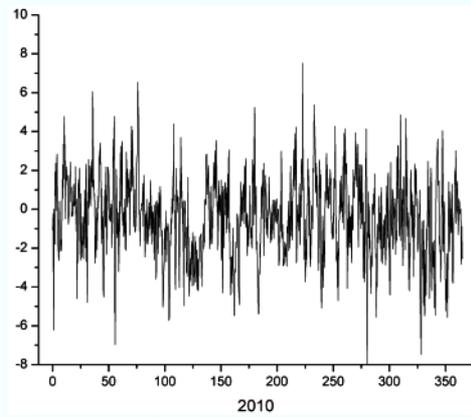
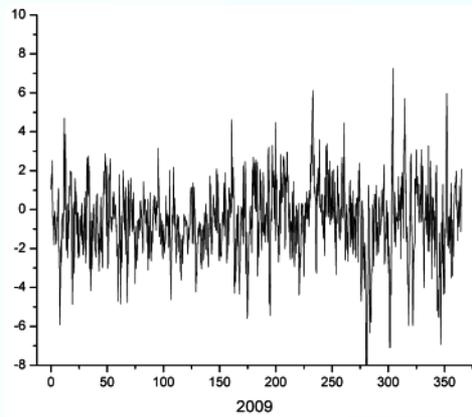
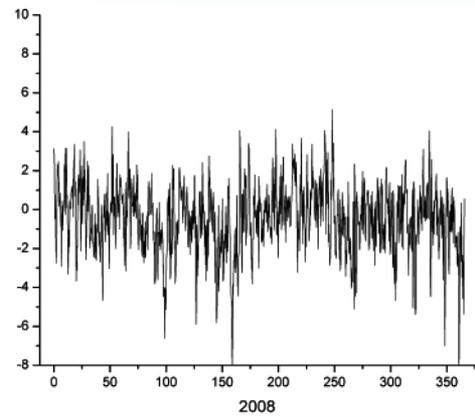
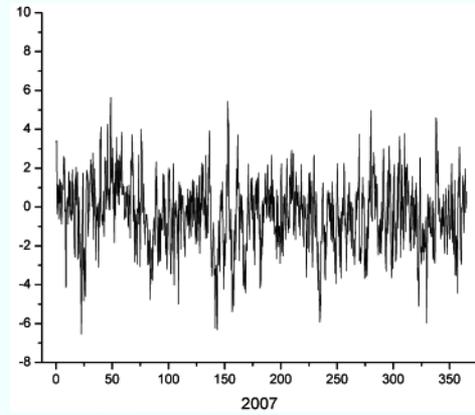
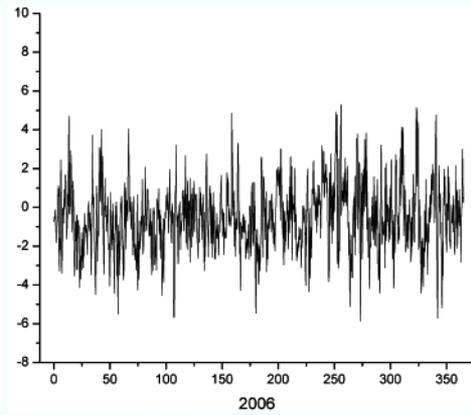
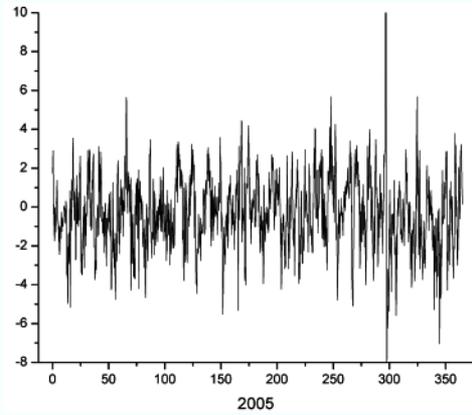
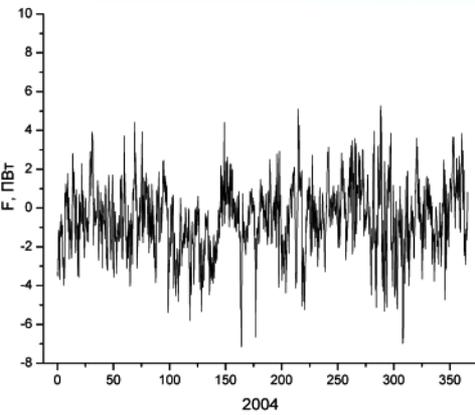
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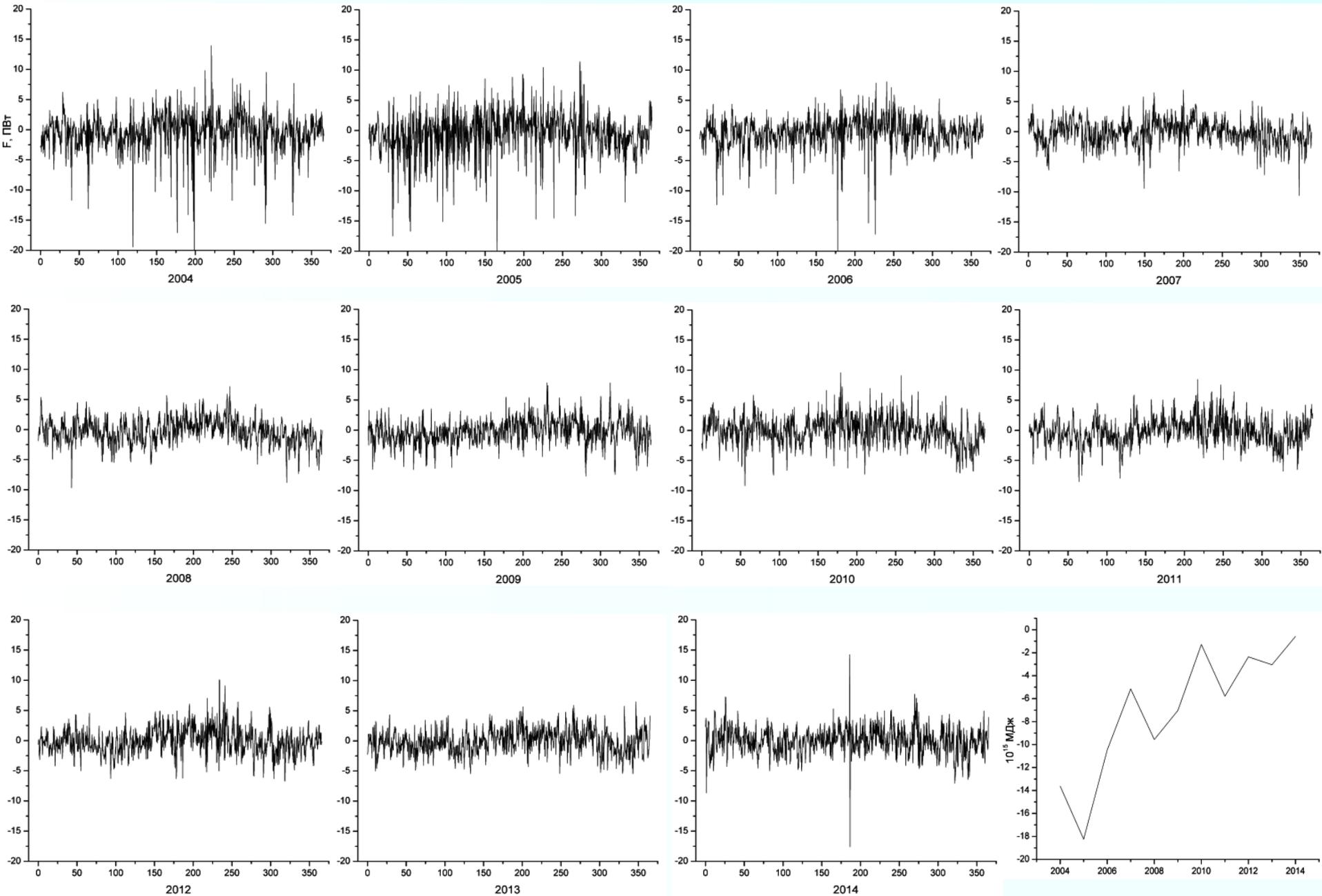
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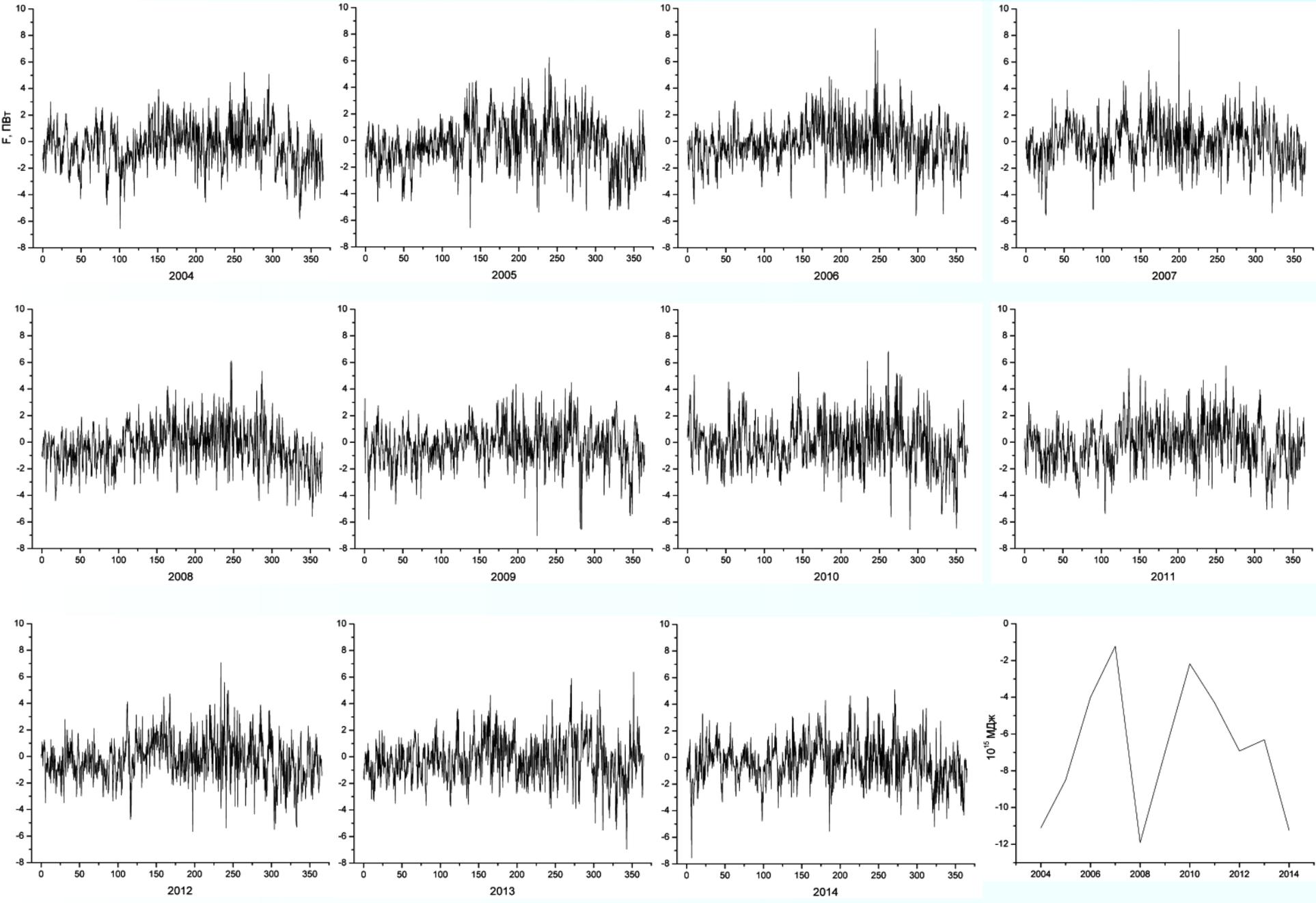
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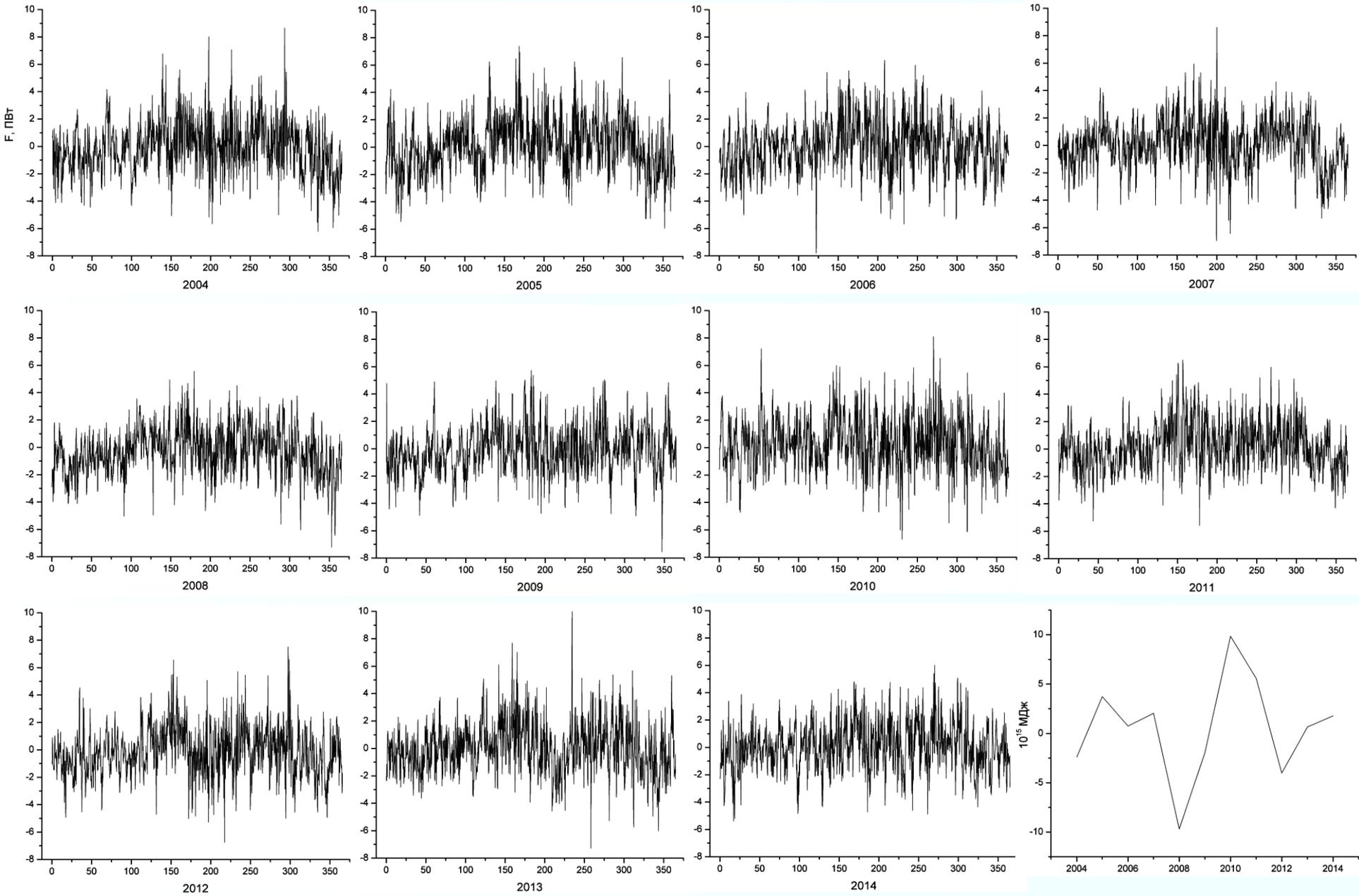
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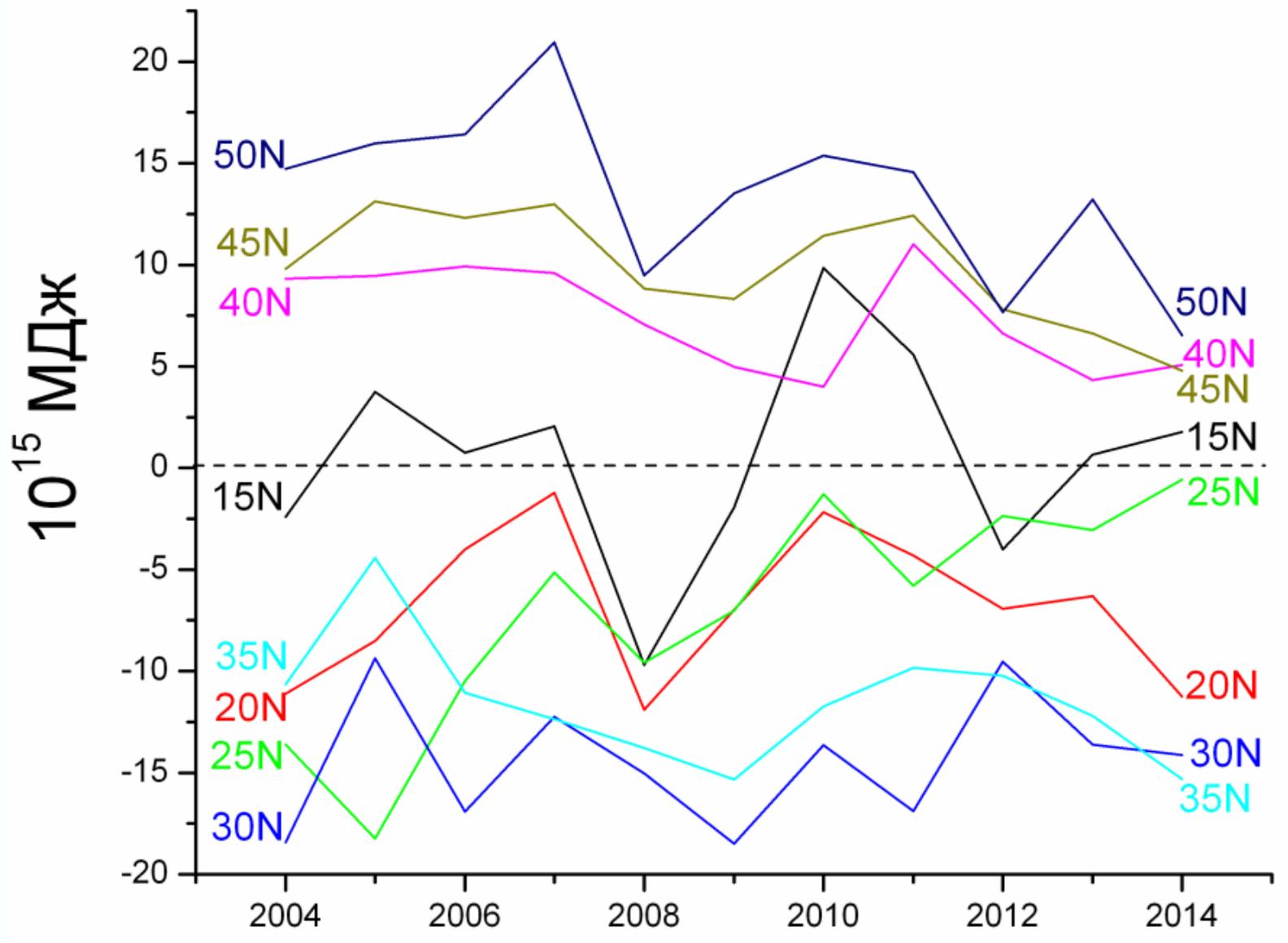
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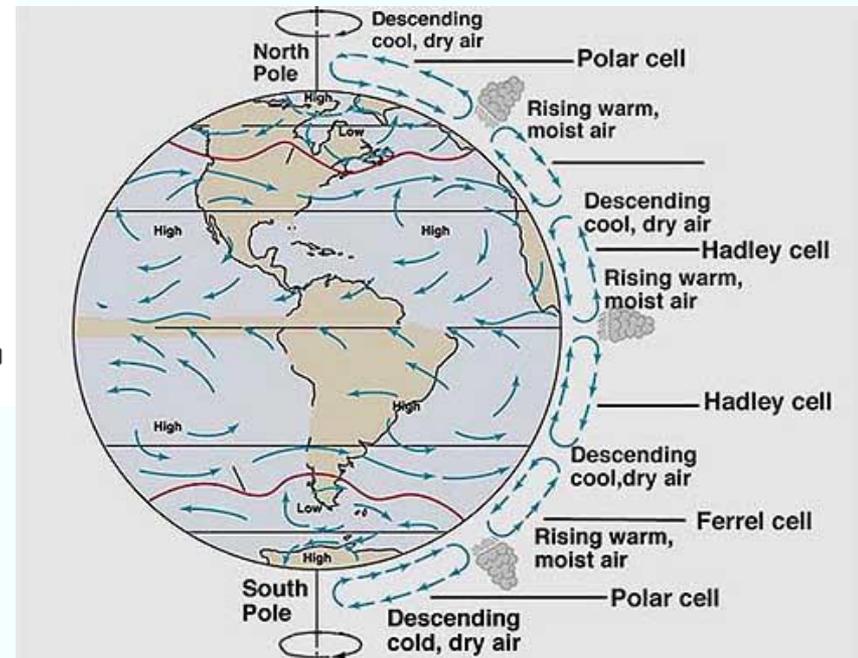
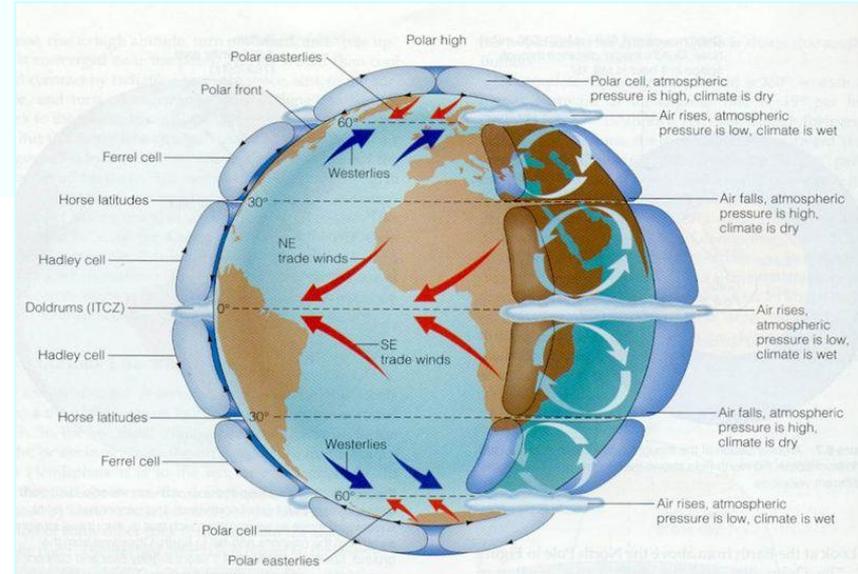
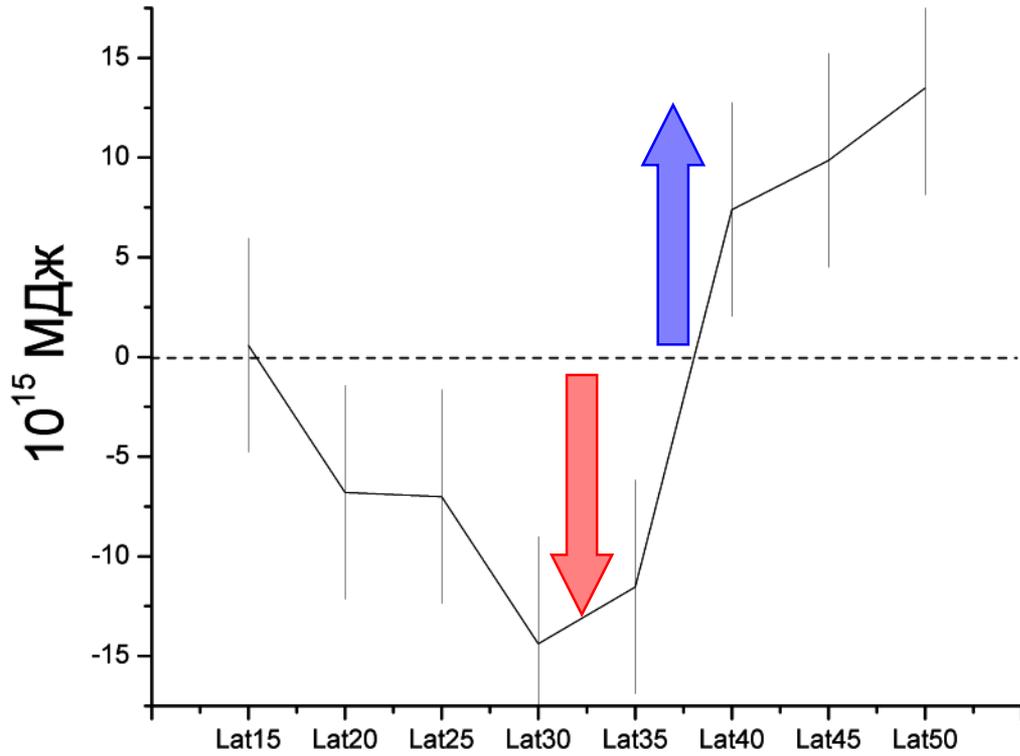
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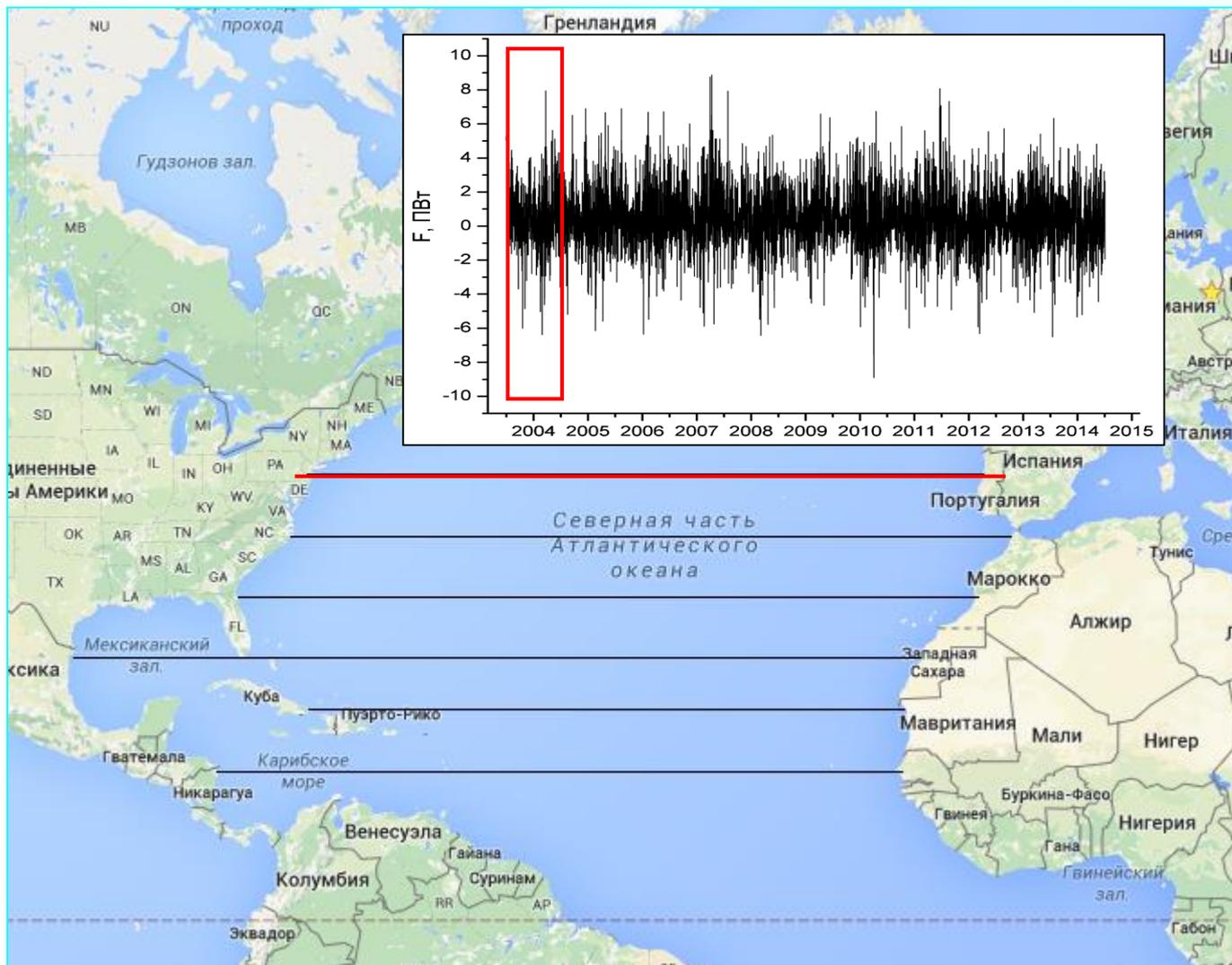
Перенос скрытого тепла в Северной Атлантике по годам



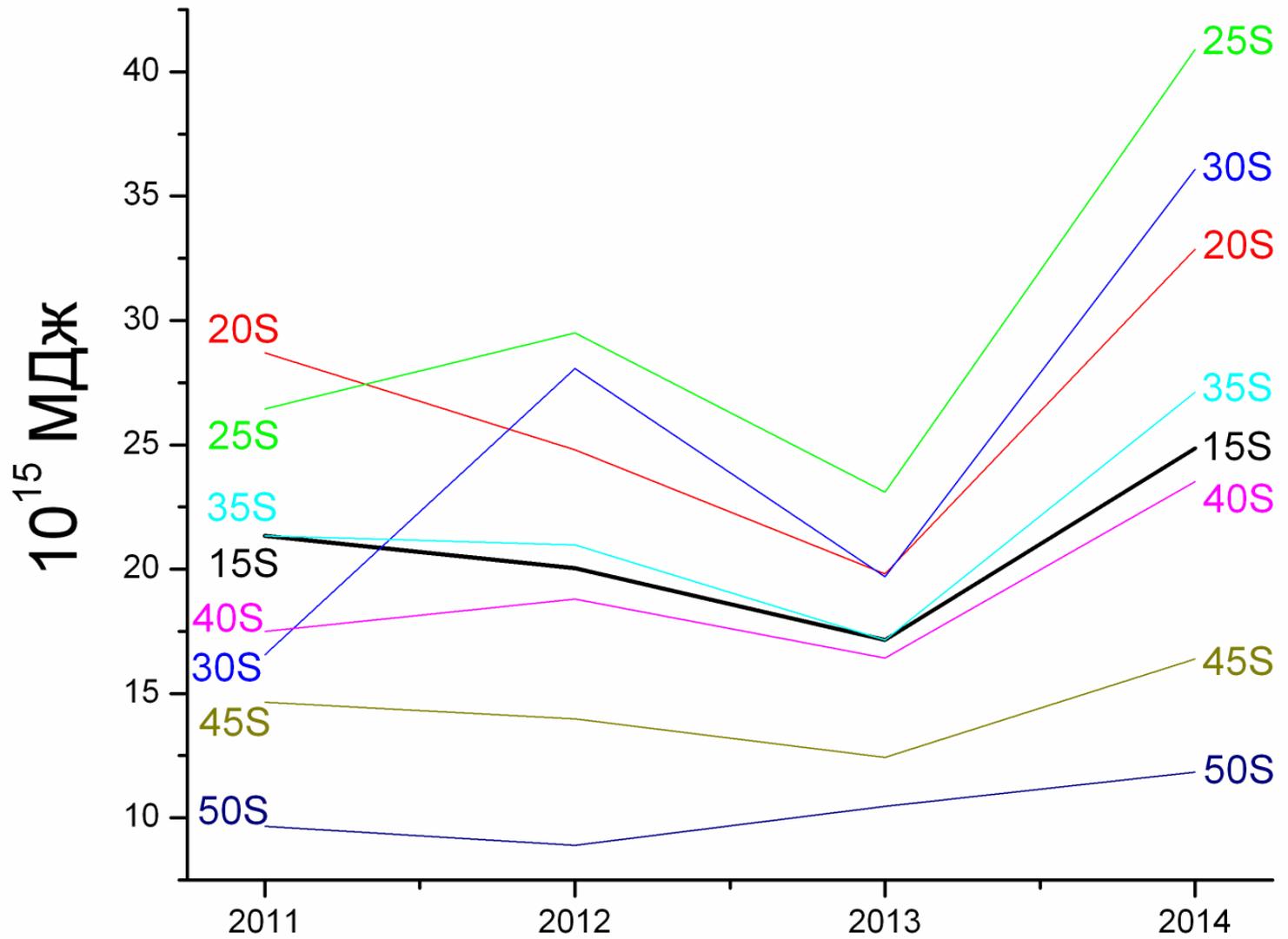
Перенос скрытого тепла в 2004 – 2014 гг.: общая картина



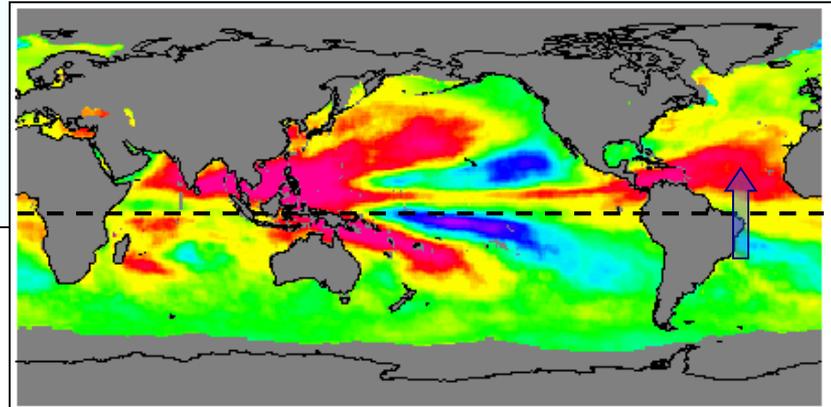
Уточнение границ и их эволюции во времени



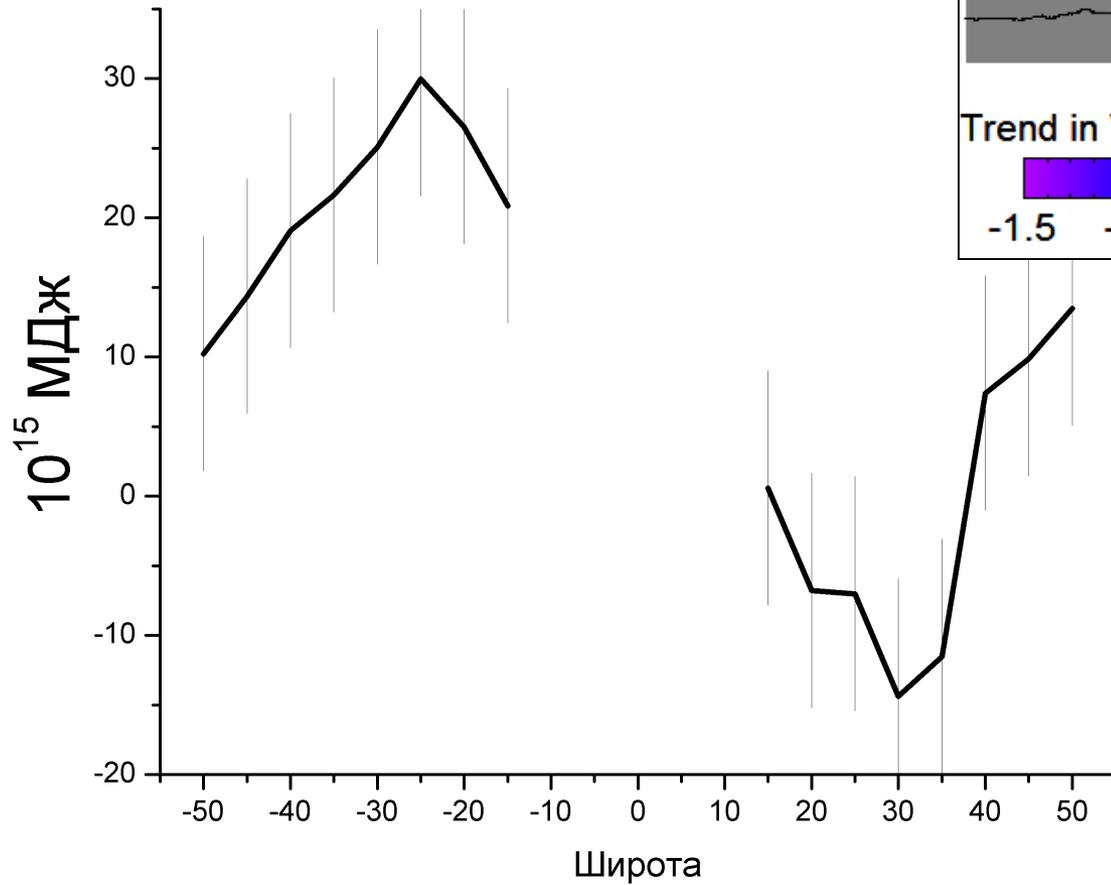
Перенос скрытого тепла в Южной Атлантике по годам



Перенос скрытого тепла в 2004 – 2014 гг. над Атлантикой



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Перенос скрытого тепла и тропический циклогенез

