

Event Selection

A. M. Jorgensen
Electrical Engineering Department
New Mexico Tech
USA

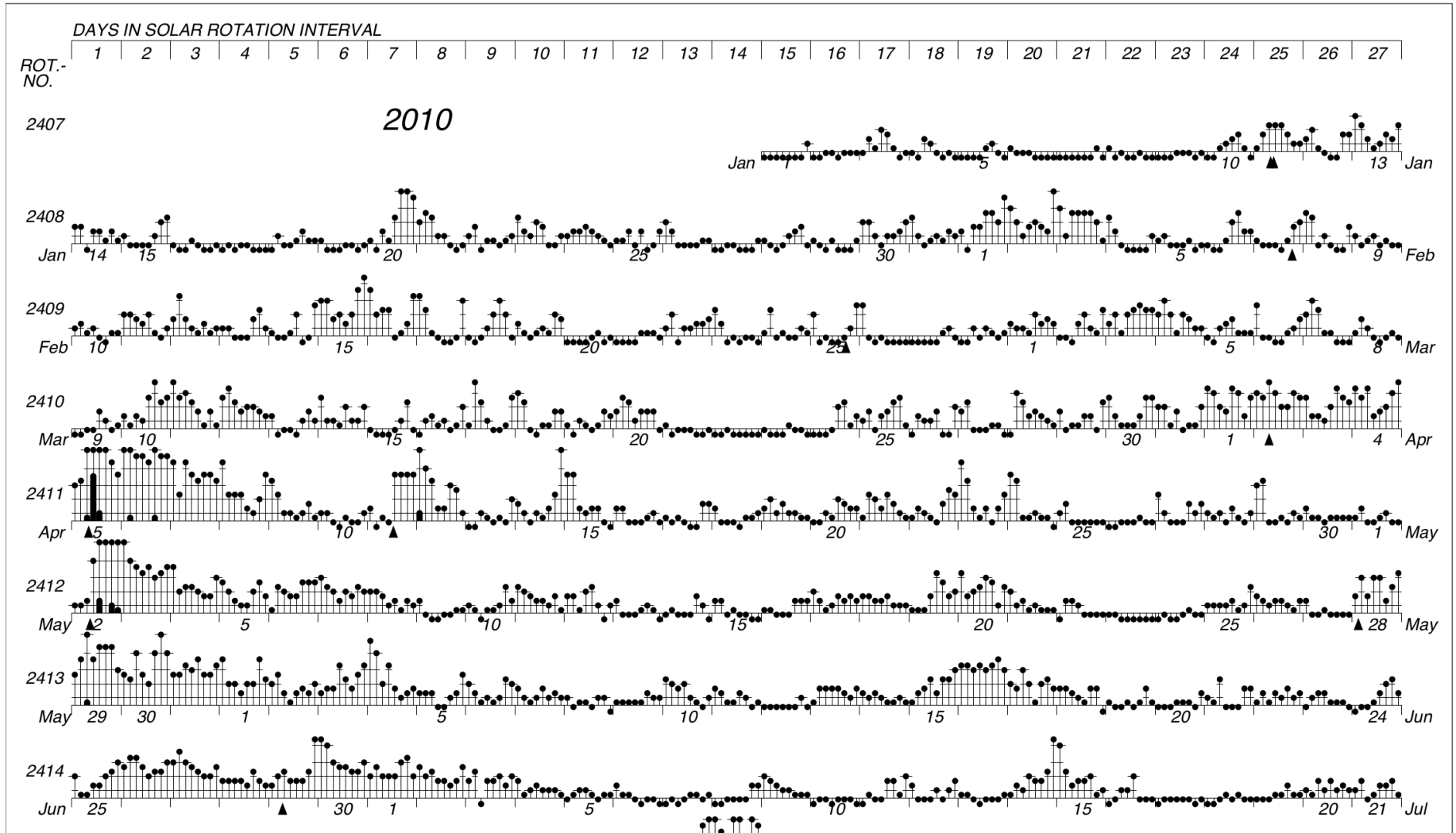
Outline

- Dst and Kp 2010/1/1 to present
- Discussion of events and event types
- Determine data availability
- Decide on schedule for data delivery and assimilation output delivery. What does WP 4 need?
- Example events: GEM events
 - **Event 1:** October 29th, 2003 06:00 UT - October 30th, 06:00 UT
 - **Event 2:** December 14, 2006 12:00 UT - December 16, 00:00 UT
 - **Event 3:** August 31, 2001 00:00 UT - September 1, 00:00 UT
 - **Event 4:** August 31, 2005 10:00 UT - September 1, 12:00 UT
 - **Event 5:** May 15, 2005 00:00 UT - May 16, 2005, 00:00 UT (*for metric study 6*)
 - **Event 6:** July 9, 2005 00:00 UT - July 12, 2005, 00:00 UT (*for metric study 6*)
 - **Event 7:** April 5, 2010 00:00 UT - April 6, 2010, 00:00 UT
 - **Event 8:** August 5, 2011 09:00 UT - August 6, 2011, 09:00 UT

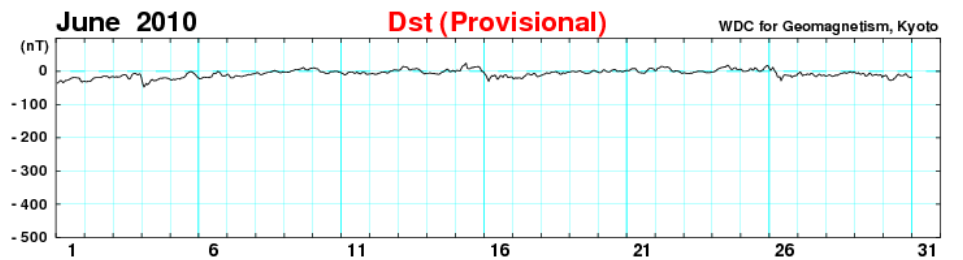
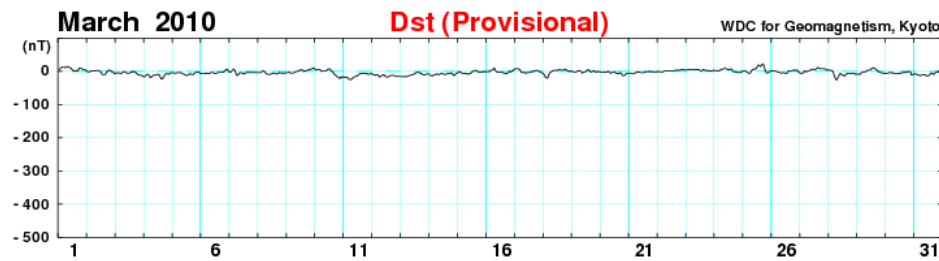
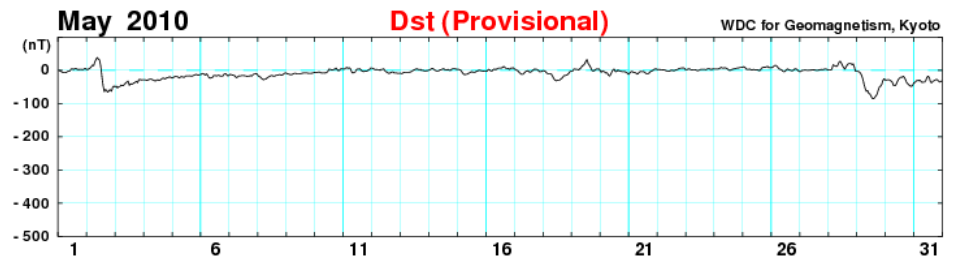
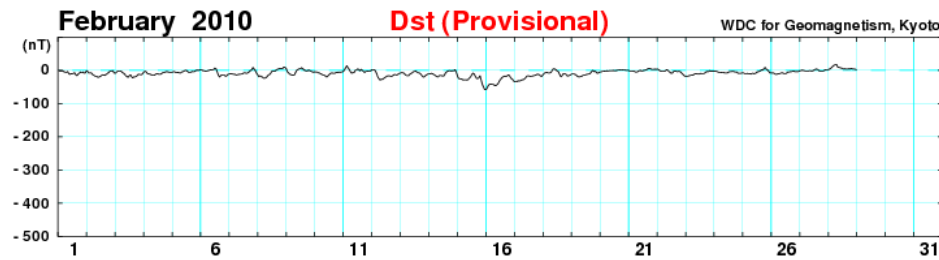
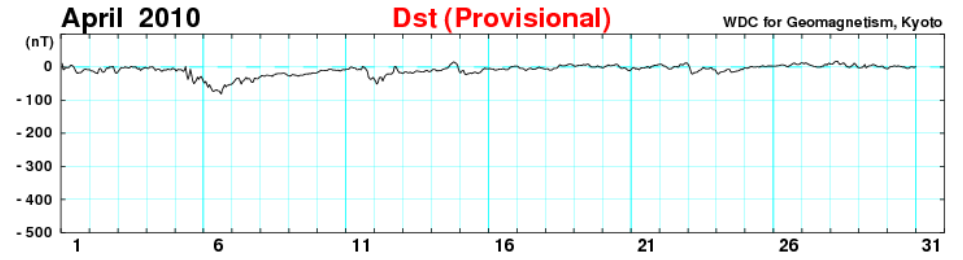
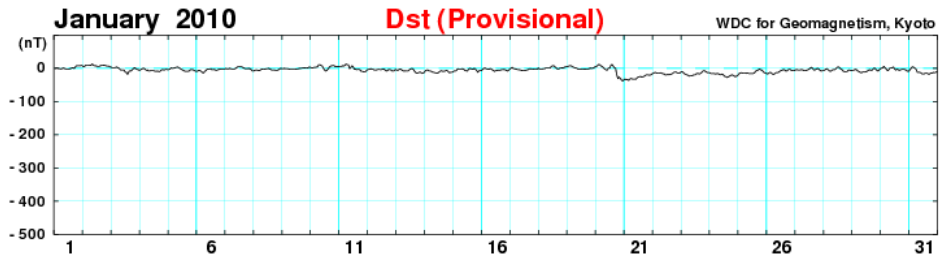
Storm Event Times

- 2010/1/20
- 2010/4/5
- 2010/5/2
- **2010/8/1**
- 2010/10/11
- 2010/12/28
- 2011/2/4
- 2011/3/1
- 2011/4/6
- 2011/4/12
- 2011/5/28
- **2011/8/5**
- 2011/9/9,17.27
- 2011/10/24
- 2012/1/22
- 2012/3/7,9
- 2012/4/23
- **2012/6/16**
- **2012/7/15**
- 2012/9/30
- 2012/10/8
- 2012/11/1,13
- 2013/1/17

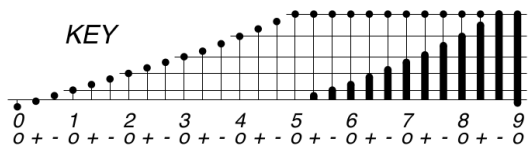
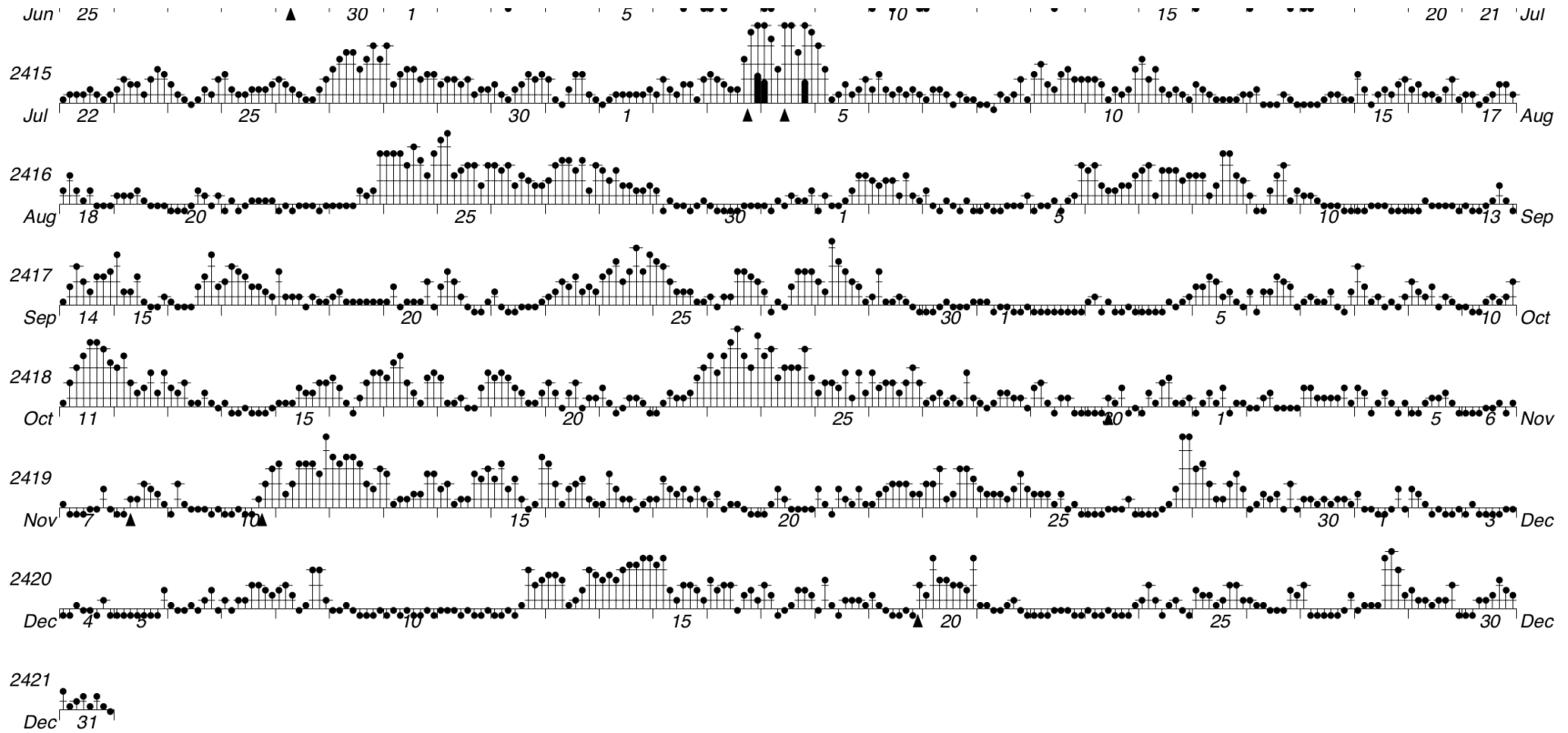
2010/1-6



2010/1-6



2010/7-12

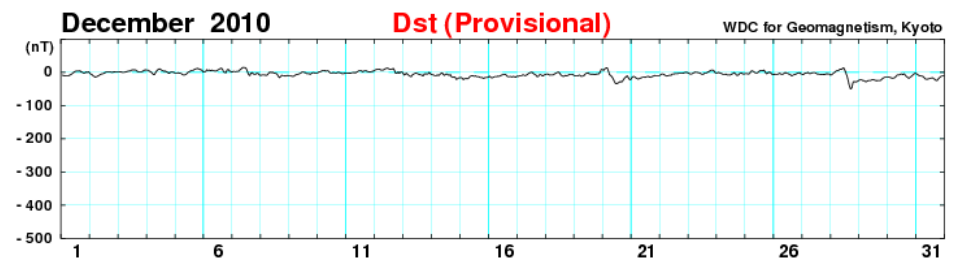
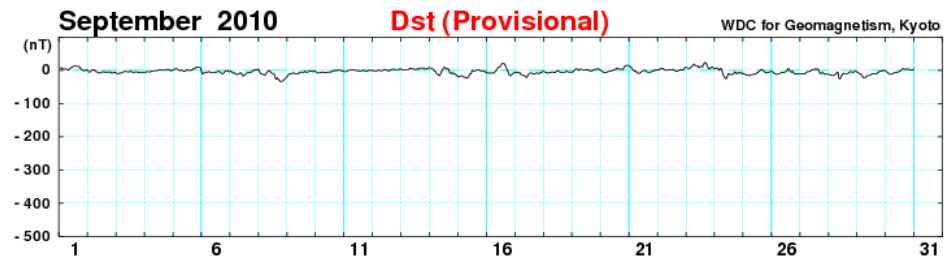
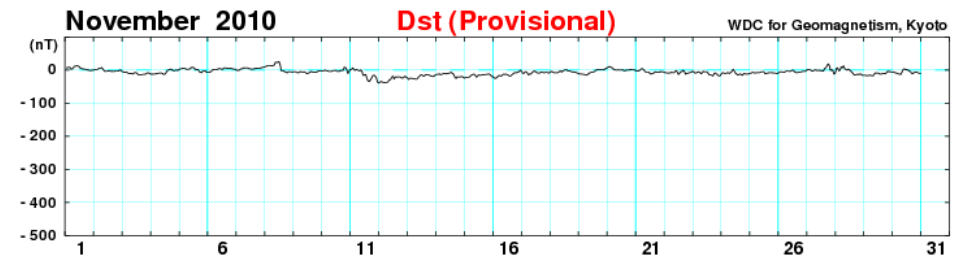
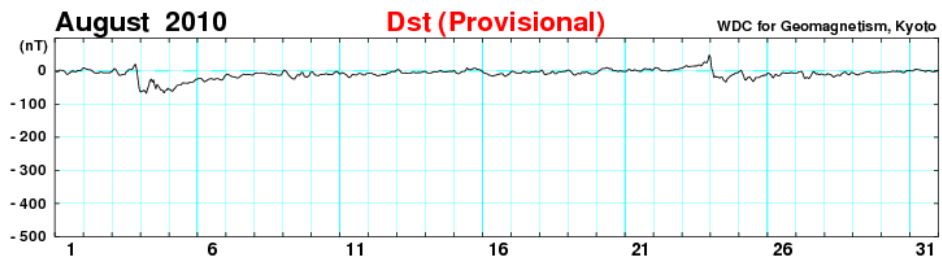
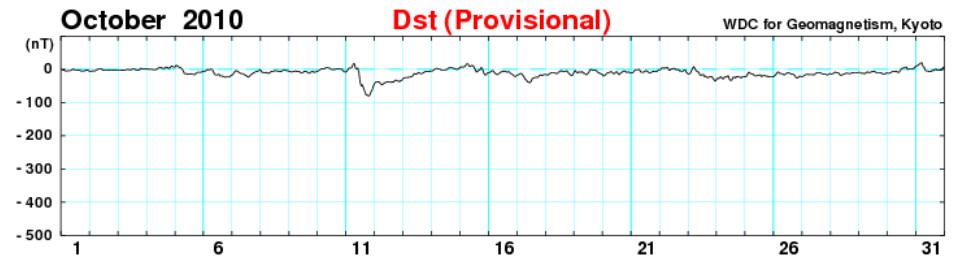
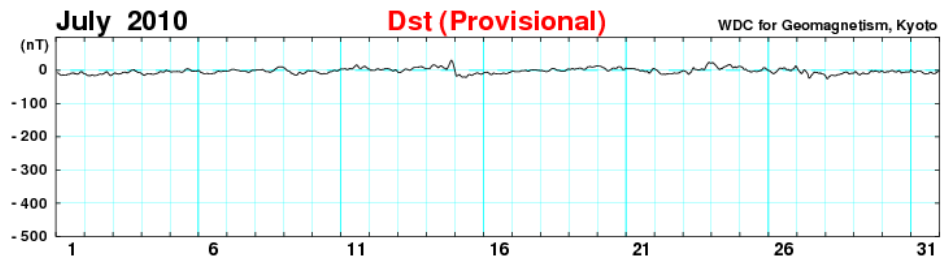


▲ = sudden commencement

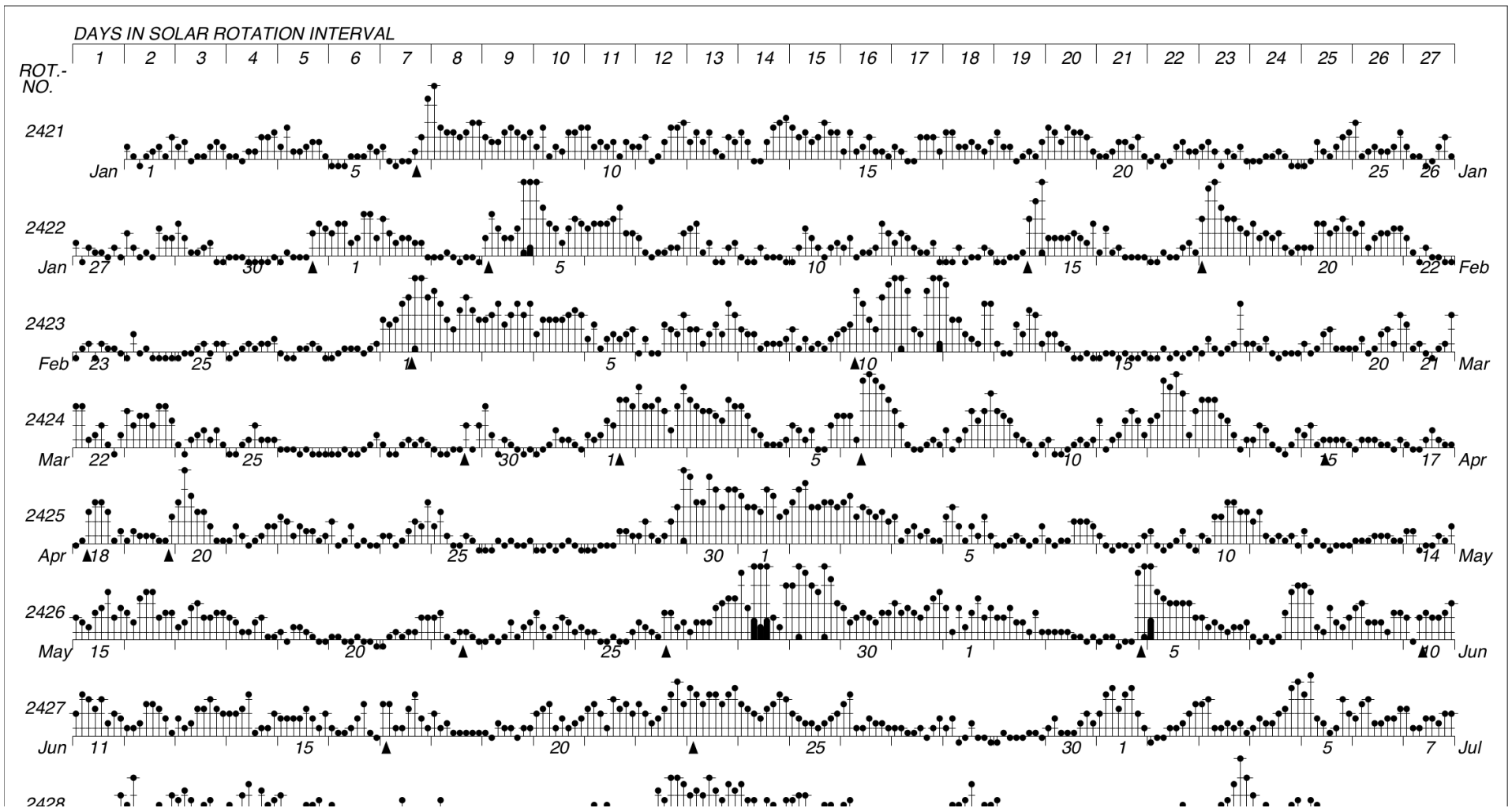
PLANETARY MAGNETIC
THREE-HOUR-RANGE INDICES

Kp 2010

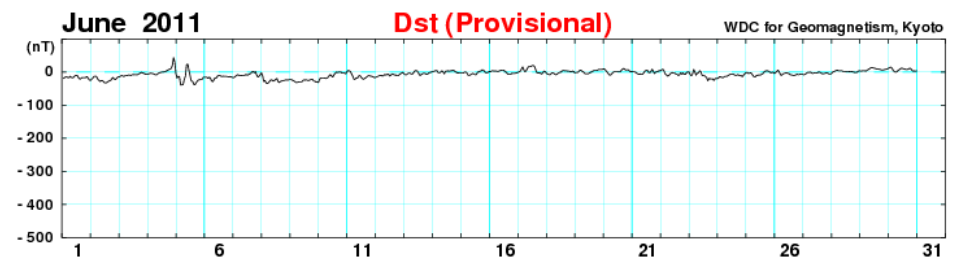
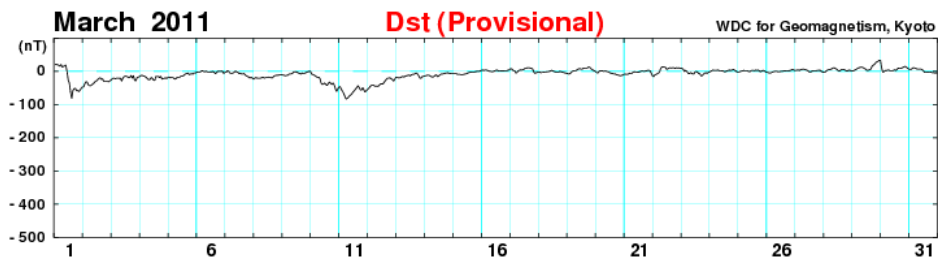
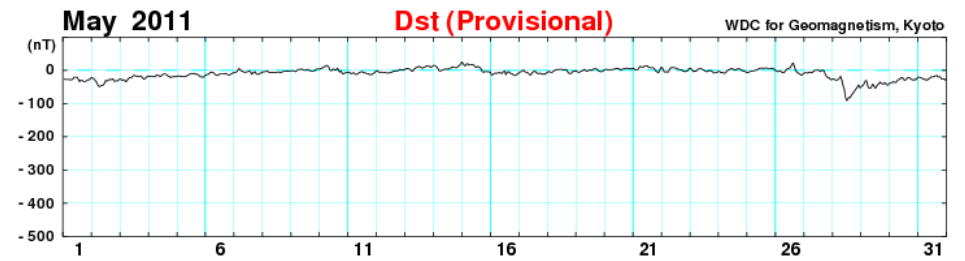
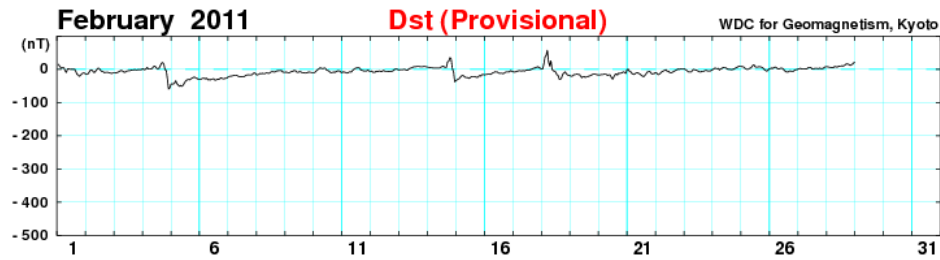
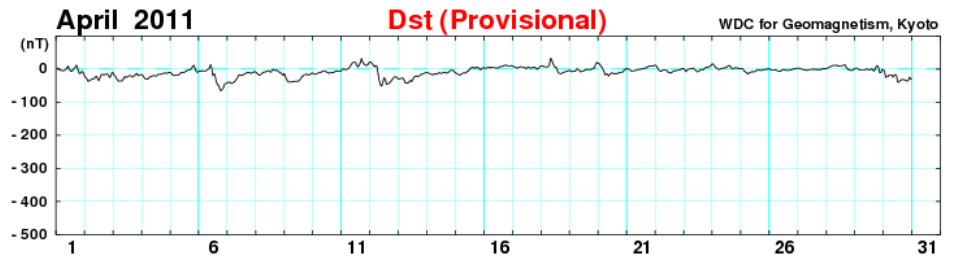
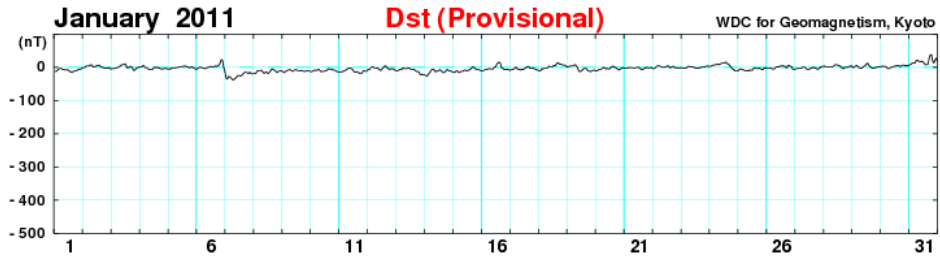
2010/7-12



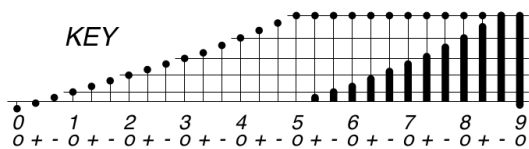
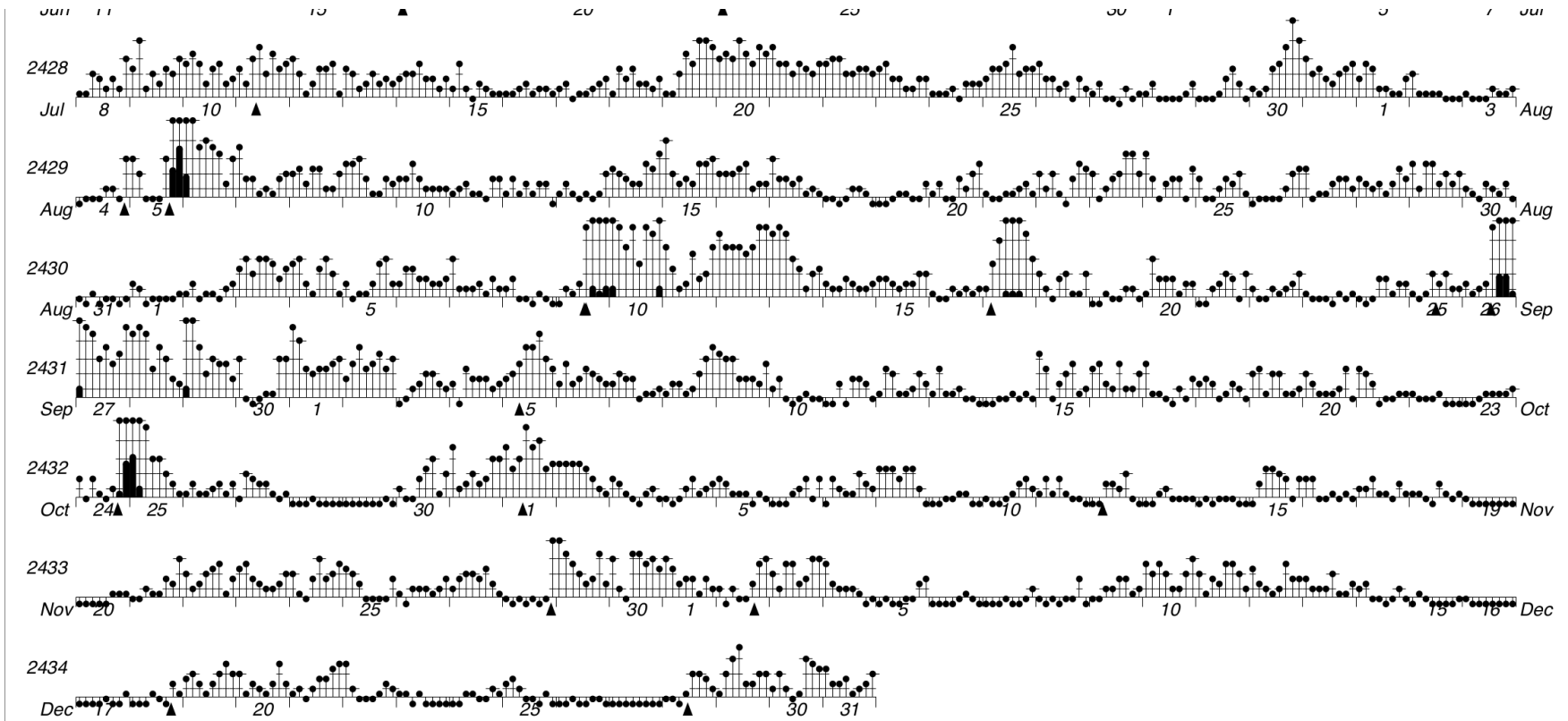
2011/1-6



2011/1-6



2011/7-12

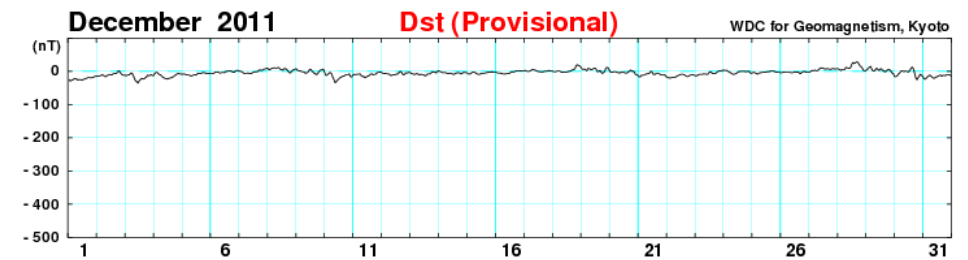
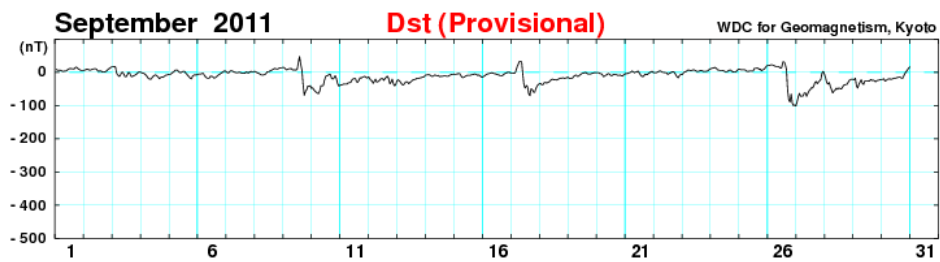
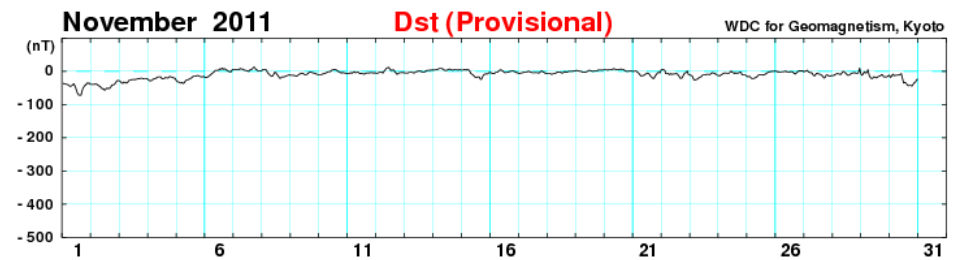
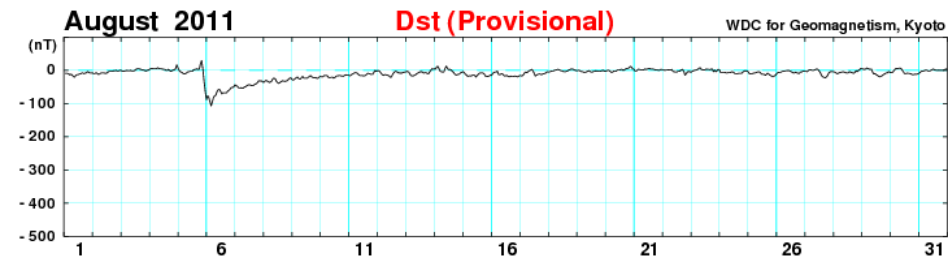
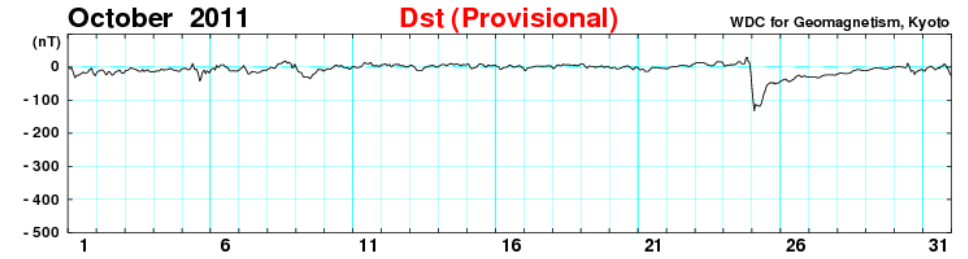
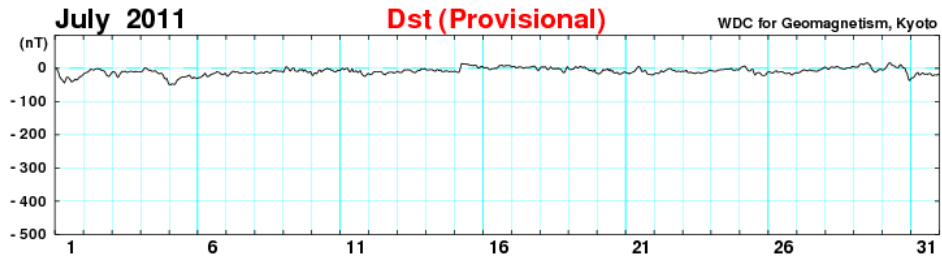


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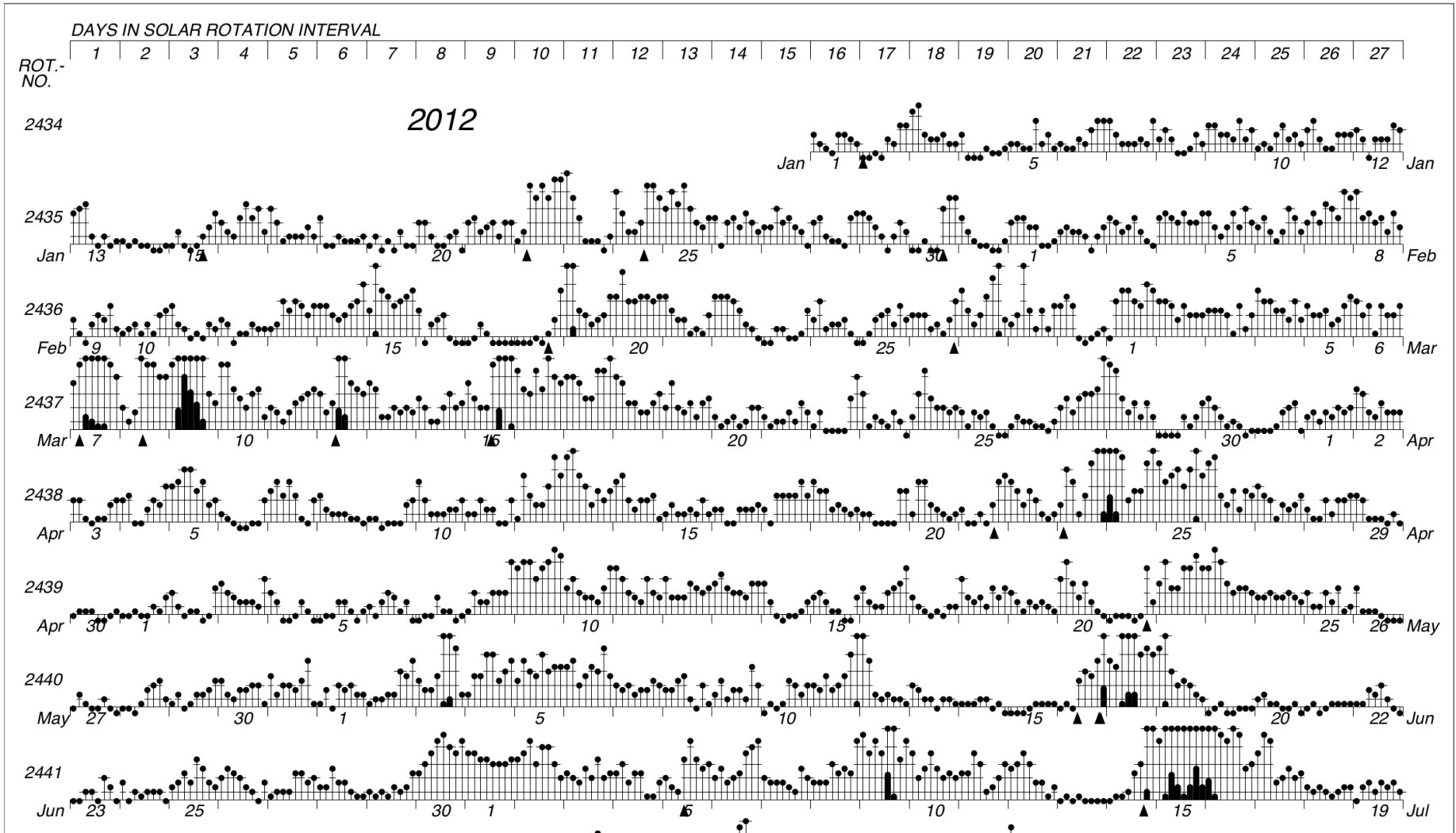
PLANETARY MAGNETIC
 THREE-HOUR-RANGE INDICES

Kp 2011

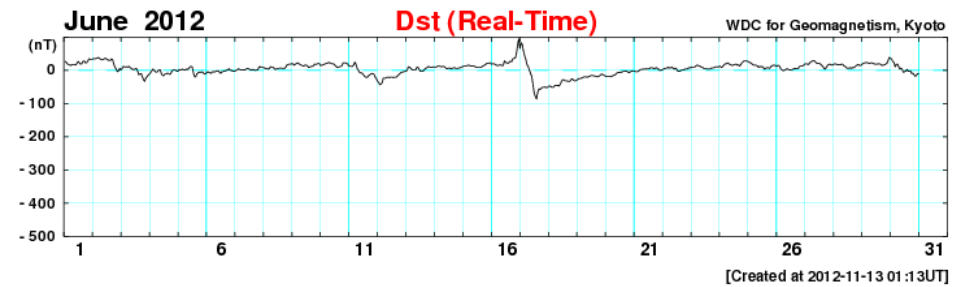
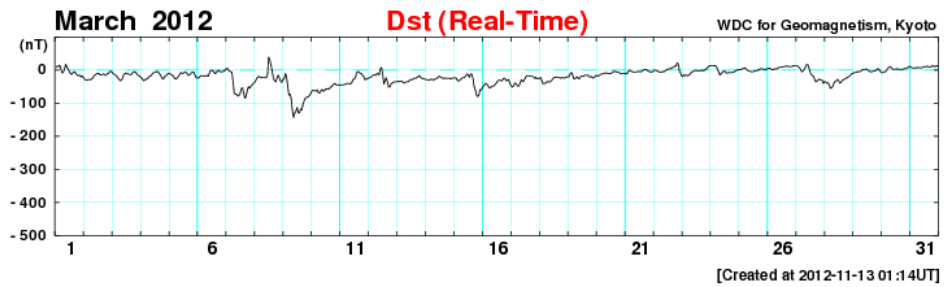
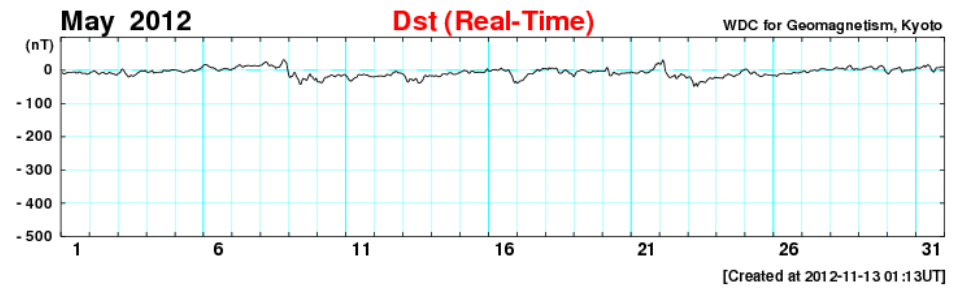
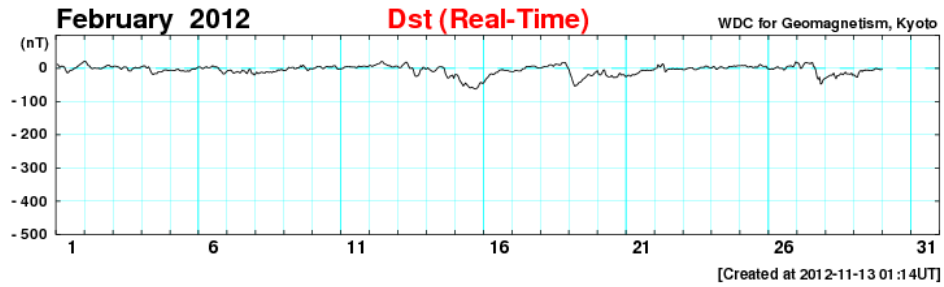
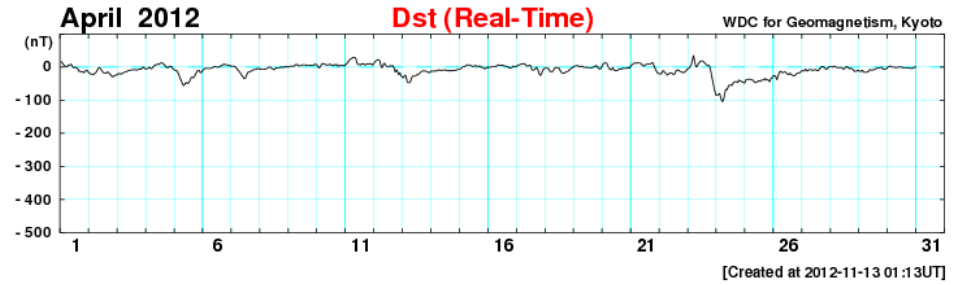
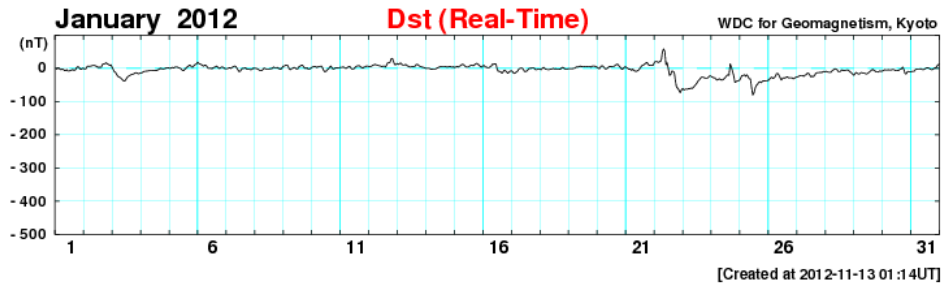
2011/7-12



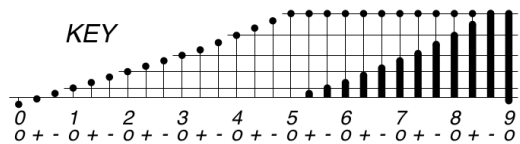
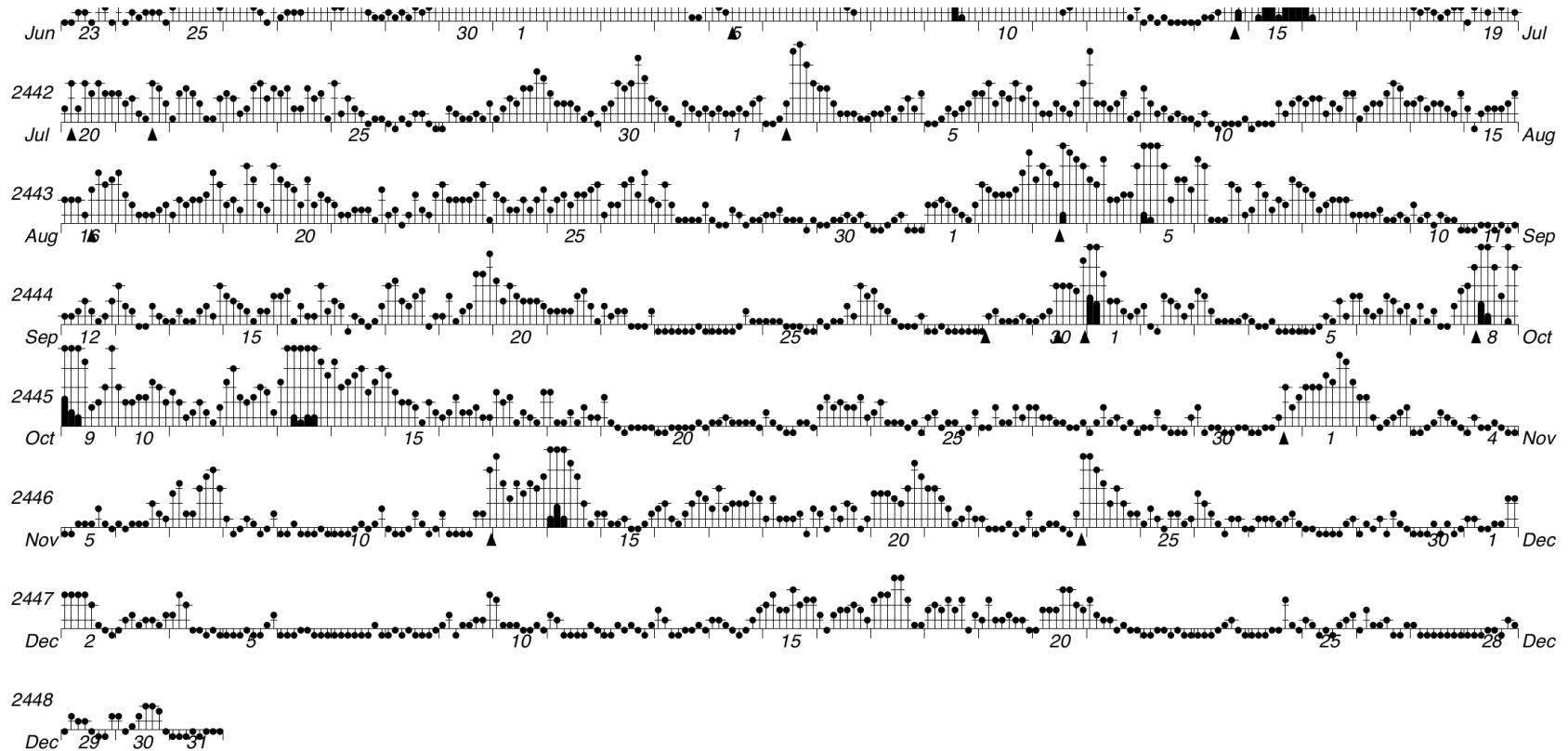
2012/1-6



2012/1-6



2012/7-12

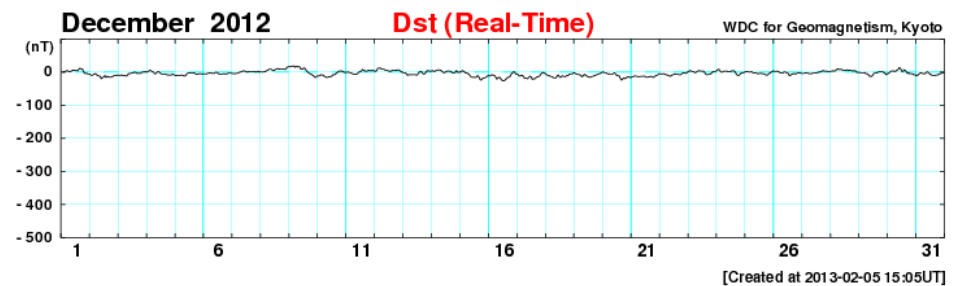
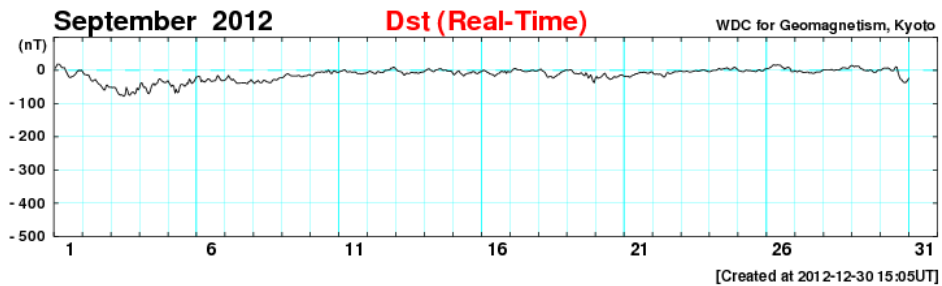
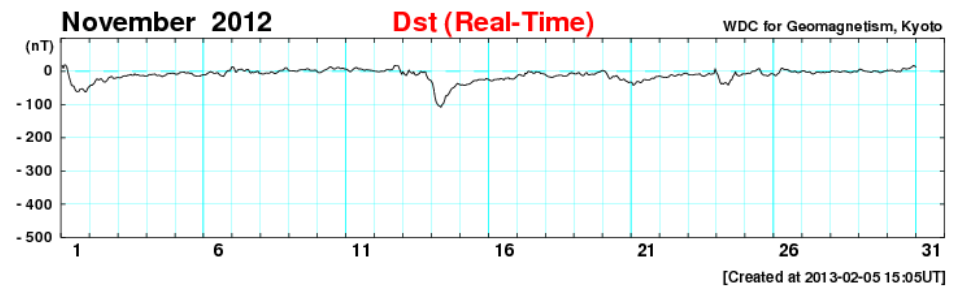
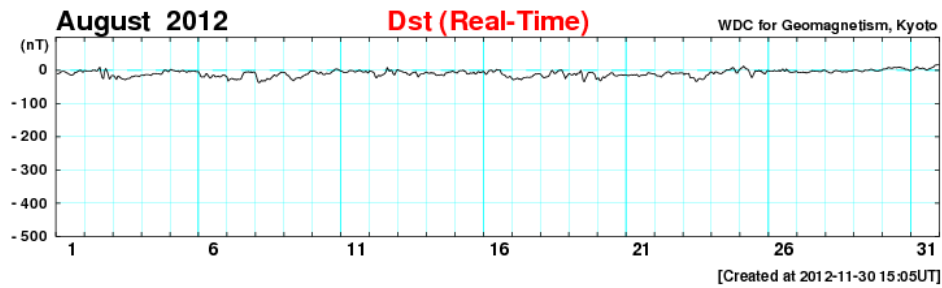
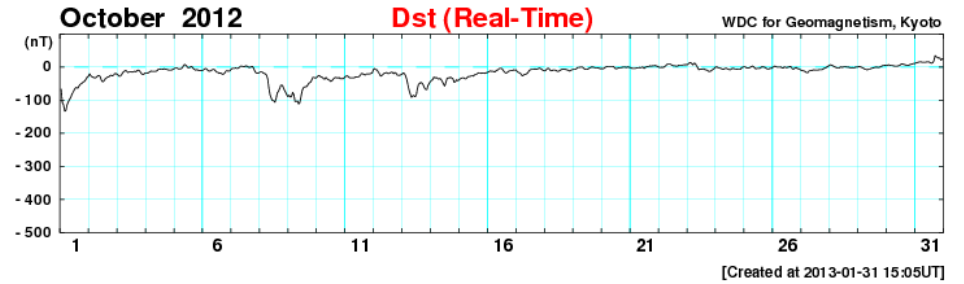
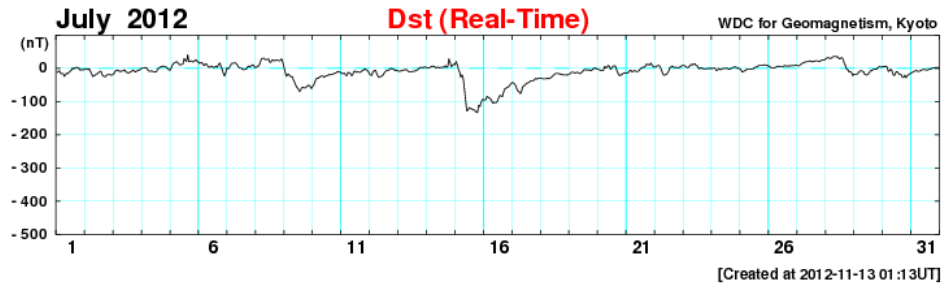


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PLANETARY MAGNETIC
THREE-HOUR-RANGE INDICES

Kp 2012

2012/7-12



Summary

- We have selected the following events. The events listed first, the more recent events, have highest priority.
- 2012/7/15 (events dates July 12-21 inclusive) – a Classic two-phase recovery
- 2012/6/16 – a large pressure pulse
- 2012/4/23 – Two-phase recovery
- 2011/10/24 – Confirmed in POES data and classic two-phase recovery
- Additionally we are continuing analysis of the 2010/8/4 event.