





DSR & Generation Minute Response during Synchronous Reserve Events

Operating Committee
February 4, 2014

- What type of sub-10 minute response are generation and DSR resources providing during Synchronous Reserve Events?
- What was the response during the Polar Vortex events?
- Minute level telemetry graphs for all events between 10/28/2013 and 1/10/2014 are provided including the events during the Polar Vortex periods of 1/6/2014 and 1/7/2014.

- All Synchronous Reserve Event graphs with minute level telemetry use the following convention.

 T2 Gen & DSR Response

 T1 Gen & DSR Response

 T2 Gen & DSR Assign

 10 MIN

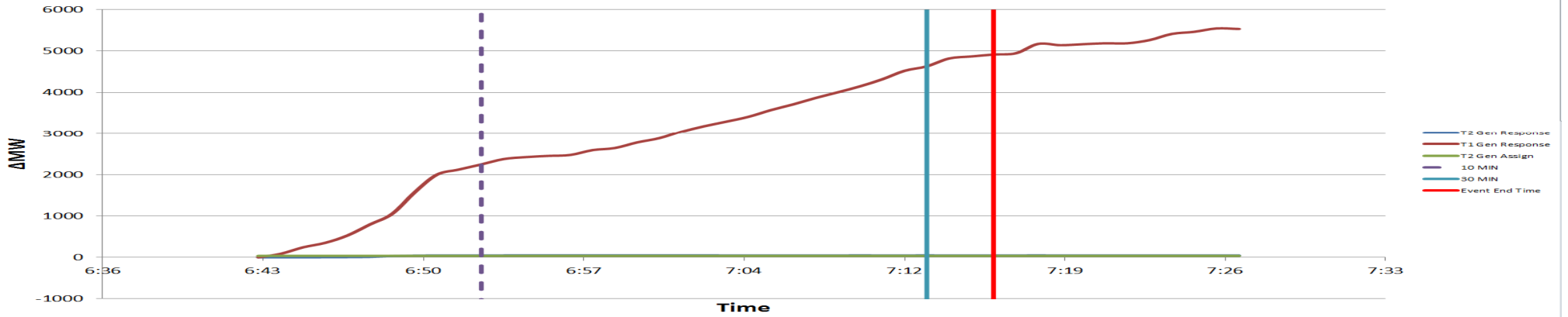
 30 MIN

 Event End Time

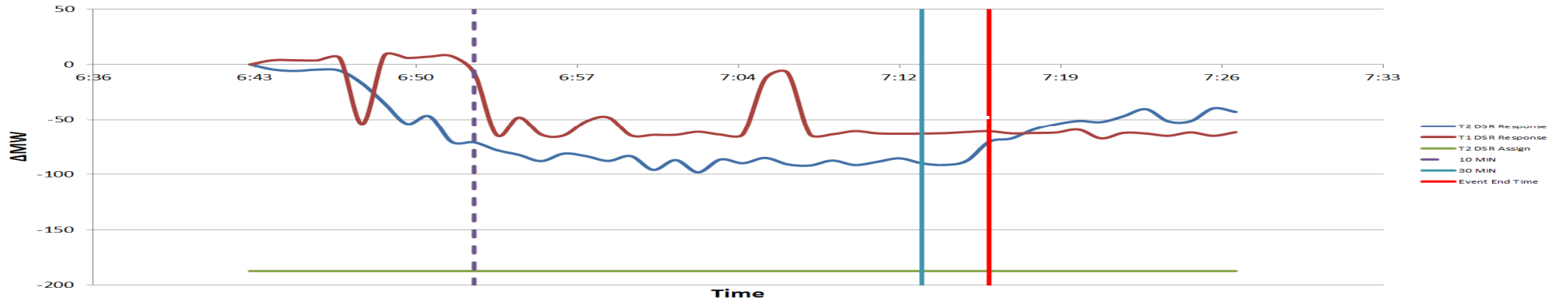


10/28/2013 Event greater than 10 minutes

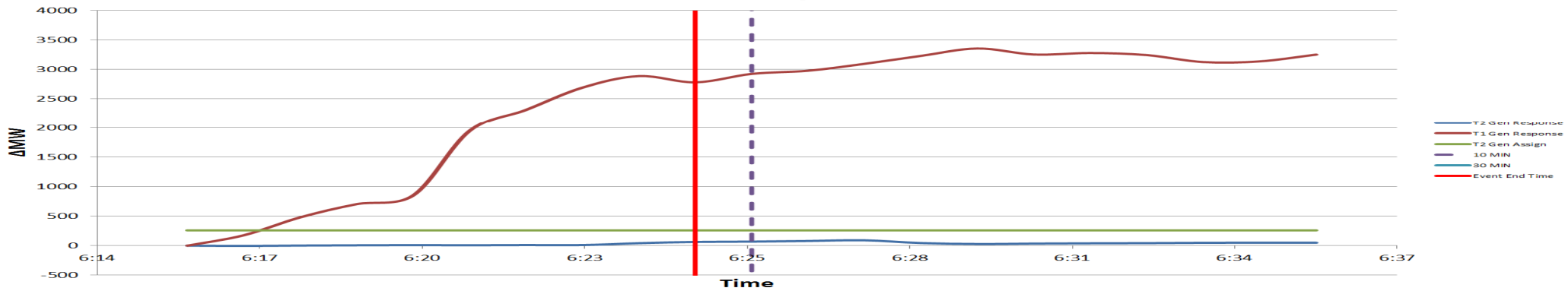
Spin Event 10/28/2013 Gen Response



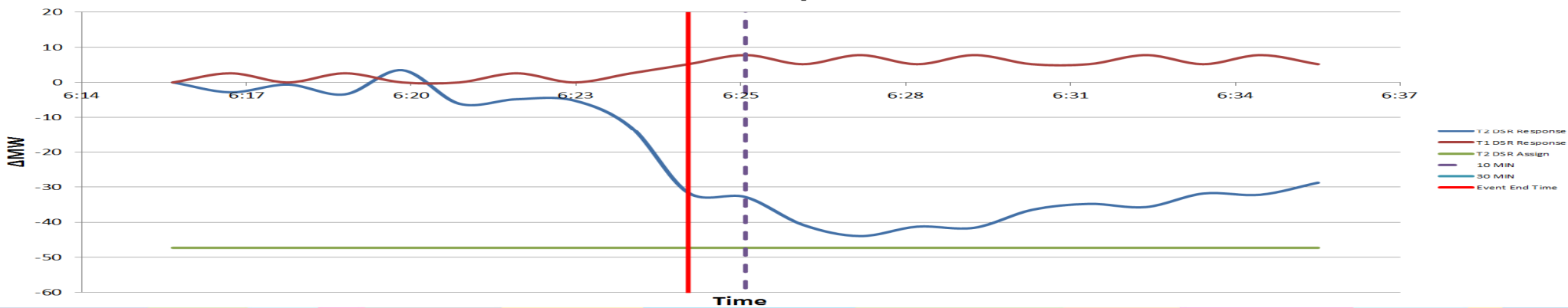
Spin Event 10/28/2013 DSR Response



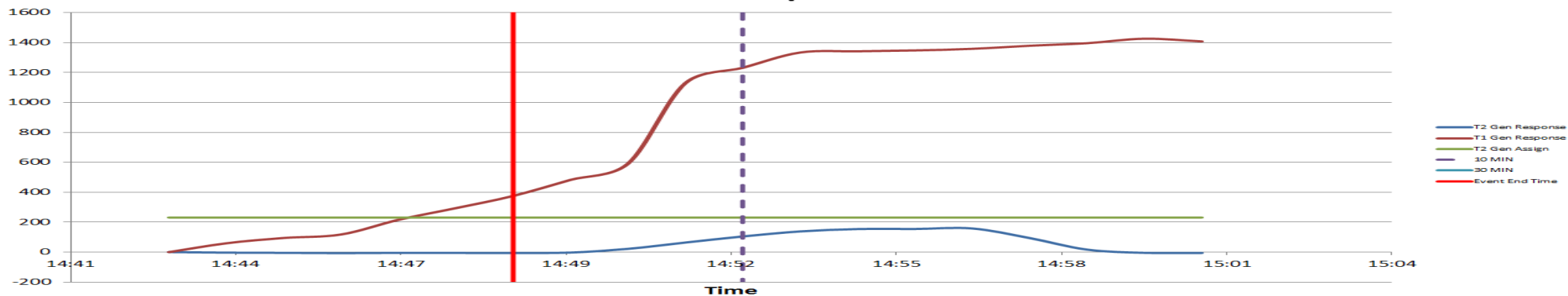
**Spin Event 12/01/2013
Gen Response**



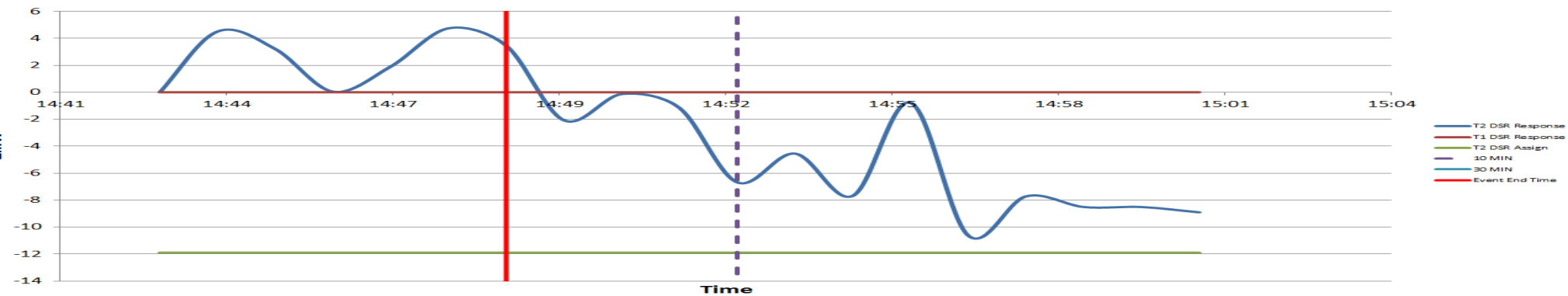
**Spin Event 12/01/2013
DSR Response**



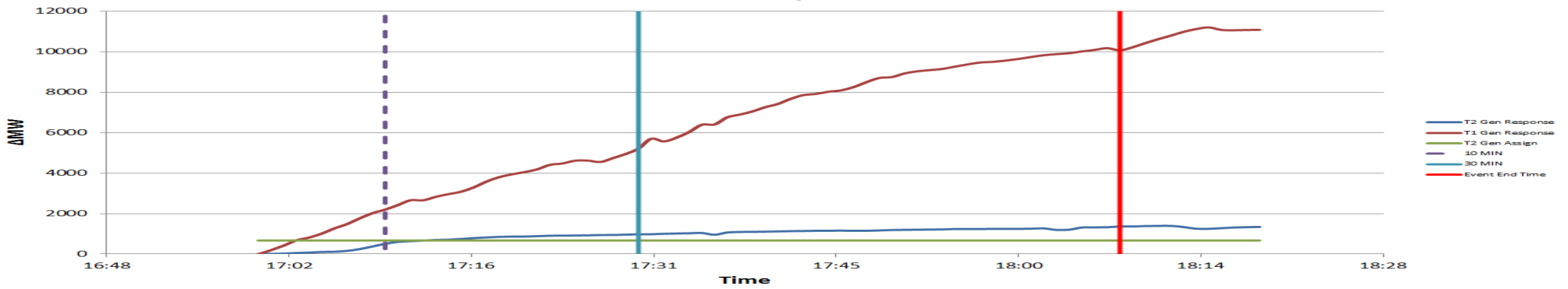
**Spin Event 12/07/2013
Gen Response**



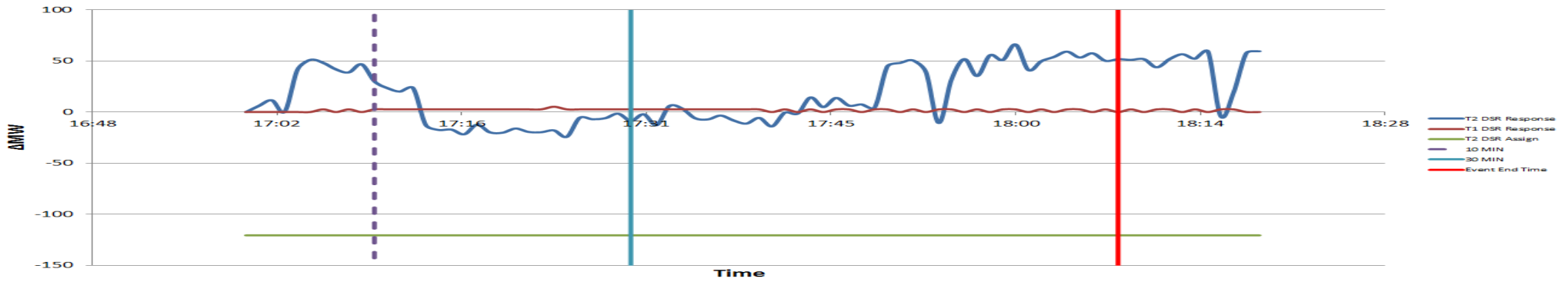
**Spin Event 12/07/2013
DSR Response**



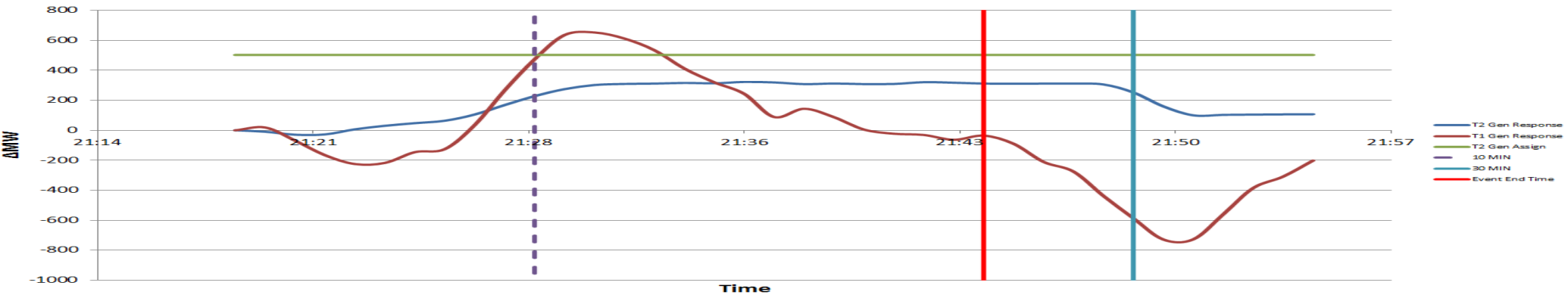
Spin Event #1 - 01/06/2014 Gen Response



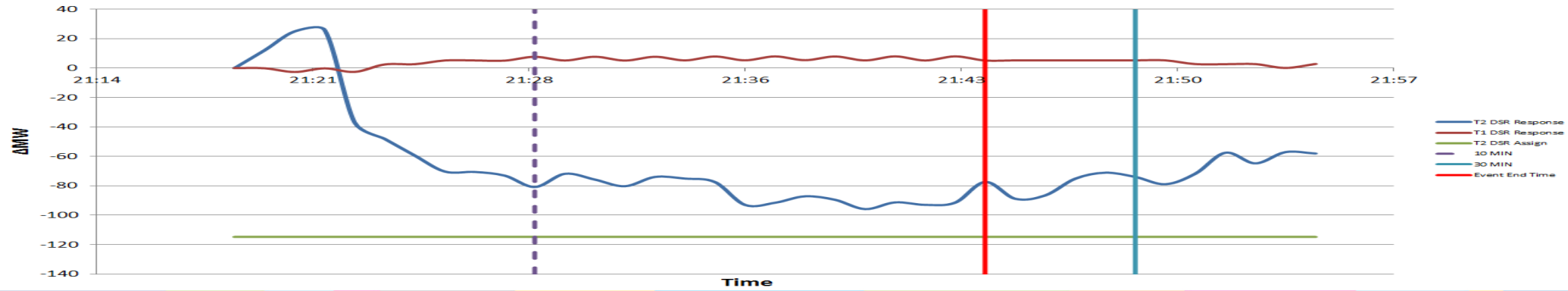
Spin Event #1 - 01/06/2014 DSR Response



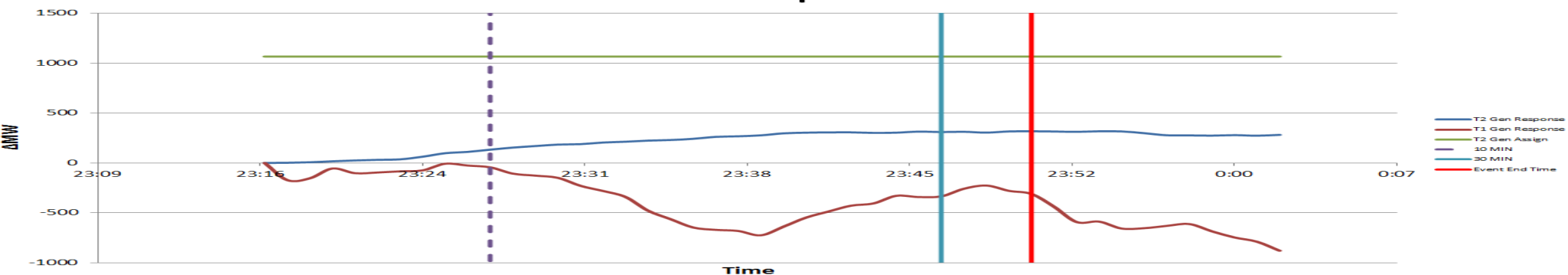
**Spin Event #2 - 01/06/2014
Gen Response**



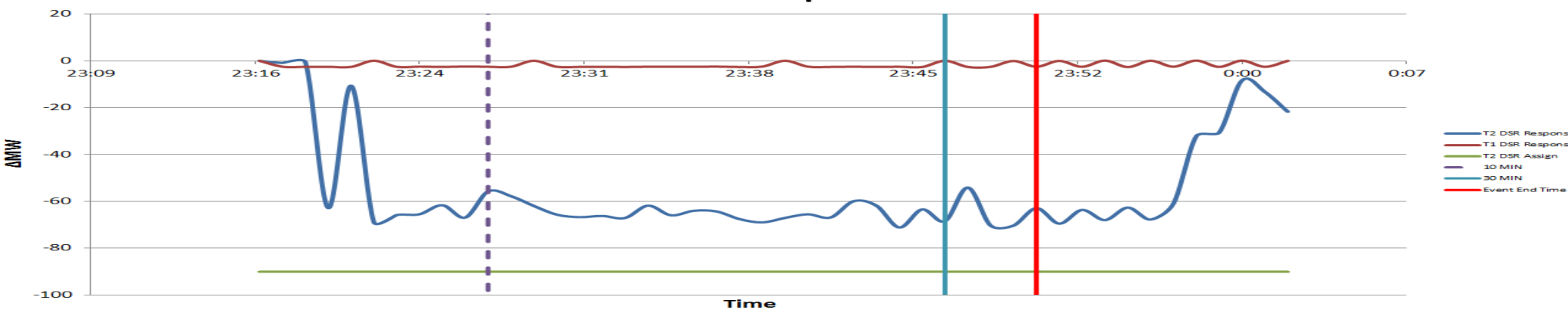
**Spin Event #2 - 01/06/2014
DSR Response**



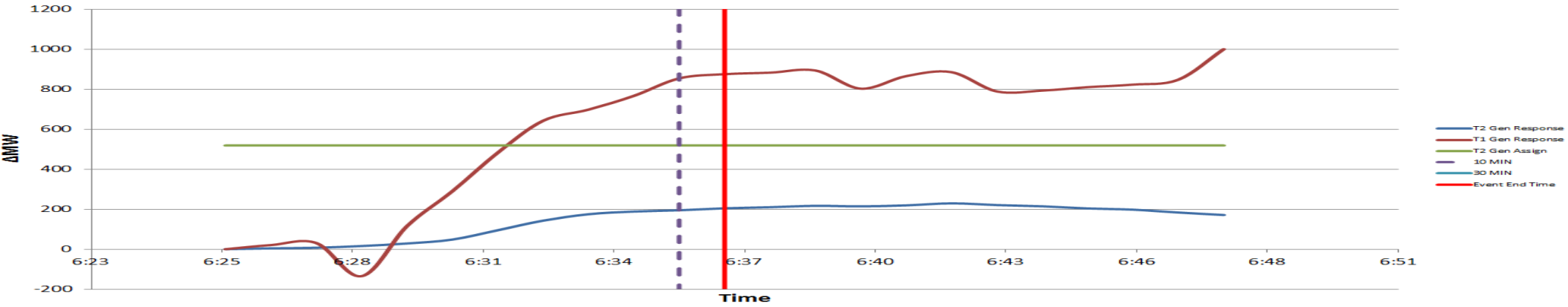
Spin Event #3 - 01/06/2014 Gen Response



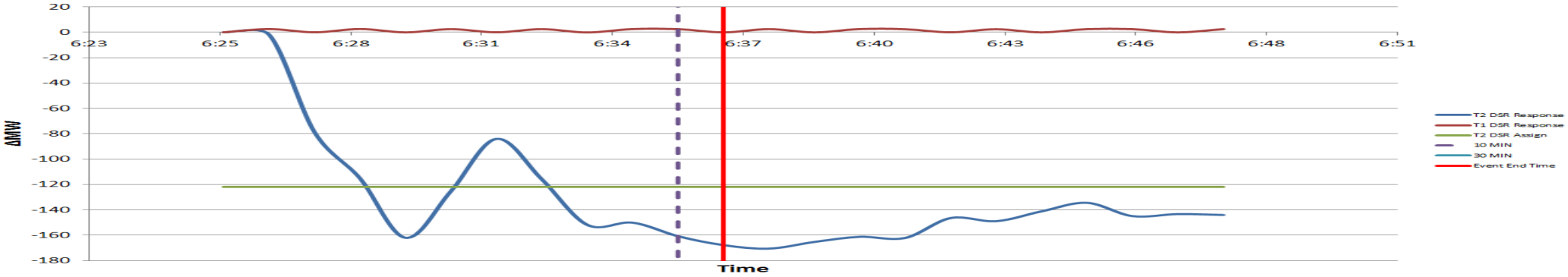
Spin Event #3 - 01/06/2014 DSR Response



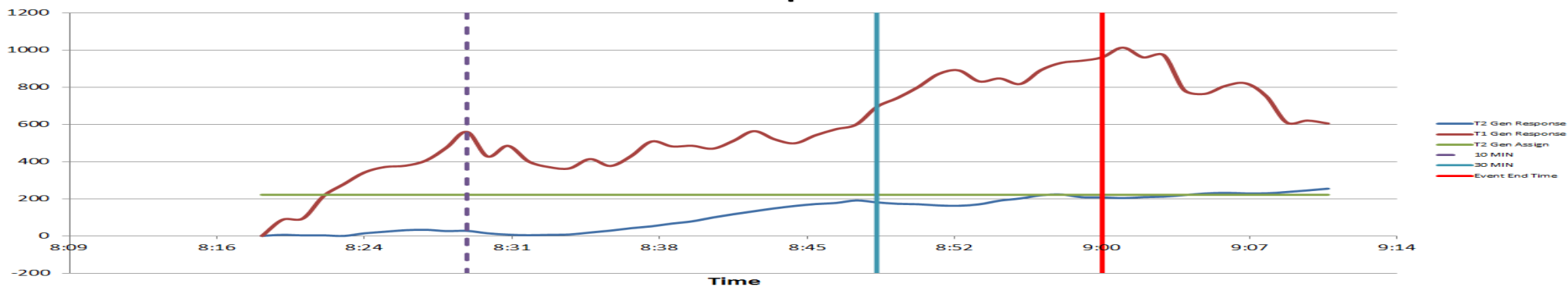
**Spin Event #1 - 01/07/2014
Gen Response**



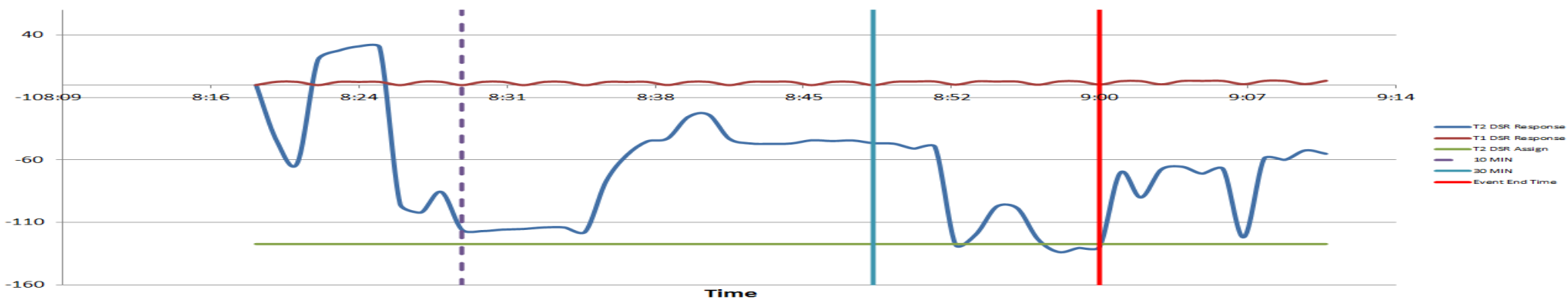
**Spin Event #1 - 01/07/2014
DSR Response**



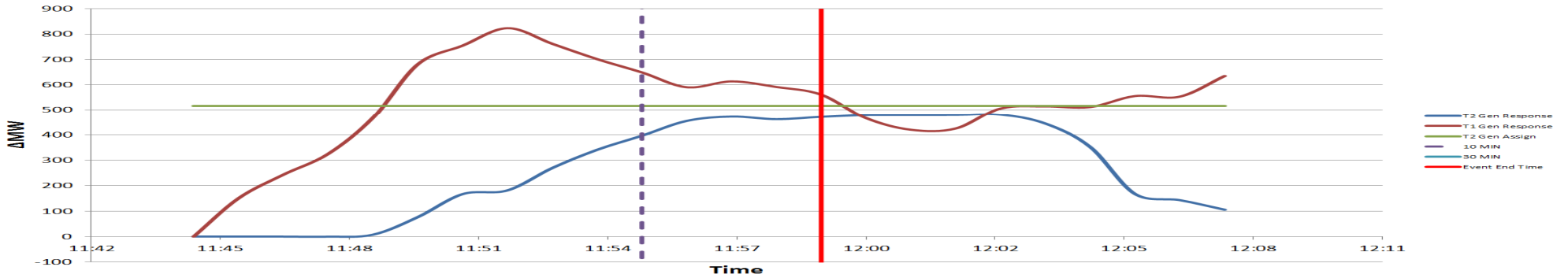
Spin Event #2 - 01/07/2014 Gen Response



Spin Event #2 - 01/07/2014 DSR Response



Spin Event 01/10/2014 Gen Response



Spin Event 01/10/2014 DSR Response

